# 3R-1011

# Release Report/ General Correspondence

Enterprise SJ

Date: Jul-Sept 2014

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141 Revised August 8, 2011

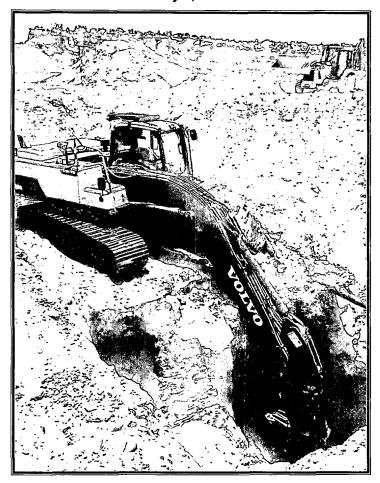
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division Santa Fe, NM 87505

1220 South St. Francis Dr.

		R	elease		on and Cor	rective A			
Nome of C	ompony: E	ntorprise Ei	old Conside		OPERATOR Contact: There		☐ Initial R	eport 🗵 Fina	al Report
		nterprise Fi Ave, Farmin			Contact: Thor Telephone No		86		
		al C-7 Pipe		77-101			Gather Pipelir	ne	
Surface Ov	vner: <b>BLM</b>		<del></del>	Mineral Own	er: <b>BLM</b>		API No.		
				LOCATION	ON OF RELE	ASE	_		
Unit Letter	Section	Township	Range	Feet from	North South	Feet from	EastWest	County	
С	1	27N	9W	the <b>431</b>	Line	the <b>2,394</b>	Line	San Juan	
	I	Latitude	36.6101		Longitude	-107.74052	OIL	CONS. DIV DIST	. 3
		Latitude_	00.010		congrude E OF RELEA			JUL 18 2014	
Type of Rele	ease: Natu	ral gas and as	sociated lig			elease: <b>445.31</b>	Volume Ro	ecovered: None	
Source of R	elease: Inte	rnal corrosior	of the pipe	line		ur of Occurrence	l l	Hour of Discovery: @10:30 a.m.	
Was Immed	iate Notice	_	7			hom? Brandon		D, Sherrie Landon	-BLM
Required		L.	☑ Yes □	No ☐ Not					į
By Whom?						ur 12/9/13 @ 1			
Was a Wate	rcourse Re		☑ Yes 🗆	No	If YES, Volur	ne Impacting th	ne Watercourse.		
If a Waterco		npacted, Desc	cribe Fully.*	A small unnam	ed ephemeral was	h intersects CF	R 7007 and the r	elease area. There	were no
isolated, dep	oressurized	and lock out	tag out was		elease area is alor			-7 pipeline. The line pairs began for we	
Approximate April 4, 2014 yards of hyd excavation r	ely 234 cubi 1 the releas Irocarbon in neasured 8	c yards of hyd e site was del npacted soil w	drocarbon ir ineated usir vas excavat v 48 feet wid	npacted soil wa ng direct push to ed and transpor	echnology. From J ted to a NMOCD a	ransported to a une 14, 2014 to approved land f	NMOCD approvo Dune 24, 2014, Farm facility for p	ecember 2013. red landfarm facility an additional 1, 98- roper disposal. The y environmental cor	4 cubic final
rules and re which may e relieve the o ground wate	gulations al endanger pu perator of li er, surface v	l operators ar ublic health or iability should vater, human	e required to the environ their operathealth or th	o report and/or a nent. The acc tions have failed e environment.	file certain release eptance of a C-14 If to adequately inv	notifications and report by the restigate and record acceptance	nd perform corre NMOCD marked emediate contam of a C-141 repo	I that pursuant to Nictive actions for rele l as "Final Report" of ination that pose a rt does not relieve to	eases loes not threat to
						OIL CONS	ERVATION I	DIVISION	
Signature:		iolds			Approved by				
Printed Nam						, , , .			
Title: Directo	or, Environn	nental			Approval Dat	BY: <u>Cory</u> DATE:	Smith (127/14)	 178 Ext. 115	
E-mail Addr	ess: jefields	@eprod.com			Conditions of A		1000	Attached	ļ
Date:	tion of Ot-	oto If Nic		713) 381-6684	1/2000 2012	7011- 4-5			
Attach Addi	tional Sne	ets If Neces	sary		4NCS 142	<i>5</i> 74065	7	ĺ	

# Enterprise Products Lateral C-7 Pipeline Release Latitude North 36.61010°, Longitude West -107.74052° Lot 1 Section 1 T27N R9W San Juan County, New Mexico July 9, 2014



#### **Submitted To:**

Enterprise Products Field Environmental-San Juan Basin 614 Reilly Avenue Farmington, NM 87401

#### Submitted By:

Souder, Miller & Associates 401 West Broadway Farmington, NM 87401 (505)325-7535



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#### 1.0 Executive Summary

On June 16 through June 24, 2014 Souder, Miller & Associates (SMA) oversaw the excavation of a hydrocarbon release associated with the Lateral C-7 pipeline initially reported on December 5, 2013. An initial excavation to repair the pipeline proceeded during the month of December, 2013, but due to permitting and access to excavate within the nearby San Juan County Road 7007, the excavation ceased. The table below summarizes information about the recent remediation activities.

	TABLE 1:	RELEASE INFOR	MATION		
Name		Lateral C-7	Pipeline R	Release	
	Latitude	e/Longitude			nship, Range
Location	36.61010°	-107.74052°	Lot 1	Section 1	T 27N, R 9W
Date Reported	December 5, 2	013			
Reported to	Tom Long				
Land Owner	Bureau of Land	d Management (BLI	M)	-	
Reported To	BLM, NM Oil C	onservation Division	n (NMOC	D)	
Diameter of Pipeline	10 inches				
Source of Release	Internal Corros	ion, Faulty Spiral W	Velds		
Release Contents	Natural Gas Li	quids/Condensate			
Release Volume	Unknown				
Nearest Waterway	Unnamed Trib	utary Wash to Bland	co Wash		
Depth to Groundwater	Assumed to be	less than 50 feet			
Nearest Domestic	Greater than 1	,000 feet			
Water Source					
NMOCD Ranking	40				
SMA Response Dates	12/6-12/7/13, 1 6/24/14	2/9-12/14/13 and 1	2/16/13;	6/16-6/20/1	14 and 6/23-
Subcontractors	<b>Energy Mainte</b>	nance Services (EN	/IS)		
Disposal Facility	Envirotech Lar	ıdfarm			
Yd <sup>3</sup> Contaminated Soil Excavated and Disposed	2,218 Total: 23	34 yards³ Decembei	r 2013; 19	984 yards³	June 2014

#### 2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the Lateral C-7 pipeline. The C-7 pipeline release was a result of internal corrosion of the 10-inch, steel pipeline. In all, 10 release points were identified in an approximately 30 foot section of the 10-inch steel pipeline during the December, 2013, excavation and repairs. The release was initially reported on December 5, 2013. The pipeline is located in Lot 1, Section 1, Township 27 North, Range 9

West; 36.61010°, -107.74052°, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

#### 3.0 Site Ranking and Land Jurisdiction

The release site is located in an unnamed tributary wash of Blanco Wash on land managed by the Bureau of Land Management with an elevation of approximately 5,916 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs). Figure 2 depicts the site location.

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site. However, 10 wells were located within a 1 mile radius of the site. The physical location of this release is within the jurisdiction of the Bureau of Land Management.

This release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

#### 4.0 Summary of Field Activities

On December 6-7, 2013, December 9-14, 2013, and December 16, 2013 SMA mobilized to the release site to oversee excavation activities during the repair of the Pipeline. On April 4, 2014, SMA employed a Geoprobe<sup>®</sup> direct push drill rig to further delineate the subsurface release. A map of the direct push delineation is illustrated in Figure 3.

On June 16, SMA oversaw and directed the excavation of hydrocarbon impacted soils by Energy Maintenance Services (EMS). SMA guided the excavation activities by collecting soil samples for field screening with a calibrated photo-ionization detector (PID). Table 3 summarizes the field screening results. Field notes are included in Appendix A.

Soil samples were initially field screened with a calibrated PID. Samples suspected of hydrocarbon contamination below regulatory standards were submitted for conformation laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Envirotech Analytical Laboratory in Farmington, New Mexico. Figure 4 illustrates the extent of the excavation and composite soil sample locations and laboratory results.

The final excavation dimensions were approximately 83 feet long by 48 feet wide and up to 33.5 feet deep, covering an area of approximately 3,800 square feet. In total, approximately 2,218 cubic yards of material were excavated. During the December, 2013 approximately 234 cubic yards of hydrocarbon contaminated soil were excavated and transported for disposal. During June, 2014 approximately 1,984 cubic yards of soil were hauled to Envirotech Land Farm near

Bloomfield, New Mexico for proper disposal and replaced with clean backfill material. Soil disposal documentation is included in Appendix C. Site photography is included in Appendix B.

#### 5.0 Conclusions and Recommendations

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 40: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH.

Laboratory analytical results for all samples collected during the June, 2014 excavation indicate concentrations below NMOCD Guidelines with the exception of those collected from the east base (SC-132 Base Mid of E Wall @ 23') and east wall (E Wall Mid @ 6-23') on June 23, 2014. The locations of these two samples were further excavated on June 24, 2014, and additional samples were collected and submitted for laboratory analysis. Specifically, the base of the excavation was further excavated to 33.5 feet bgs and the east wall was excavated approximately 6 feet further to the east. The subsequent samples collected from these two locations were submitted for laboratory analysis on June 24, 2014. The subsequent sample results were below NMOCD/BLM Guidelines for benzene, BTEX and TPH. During the excavation, continued reporting of laboratory results and correspondence from Enterprise and SMA with the BLM allowed for approved backfilling as the excavation continued. The backfilling of the excavation was completed on June 27, 2014.

Soil contaminant concentrations are illustrated in Figure 4. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further activities at the Lateral C-7 site.

#### 6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment, verification of release stabilization, regulatory liaison, oversight and control of remediation operations, disposal arrangements and documentation, project management, and preparation of this summary report. All work has been performed in accordance with generally accepted professional environmental consulting practices.

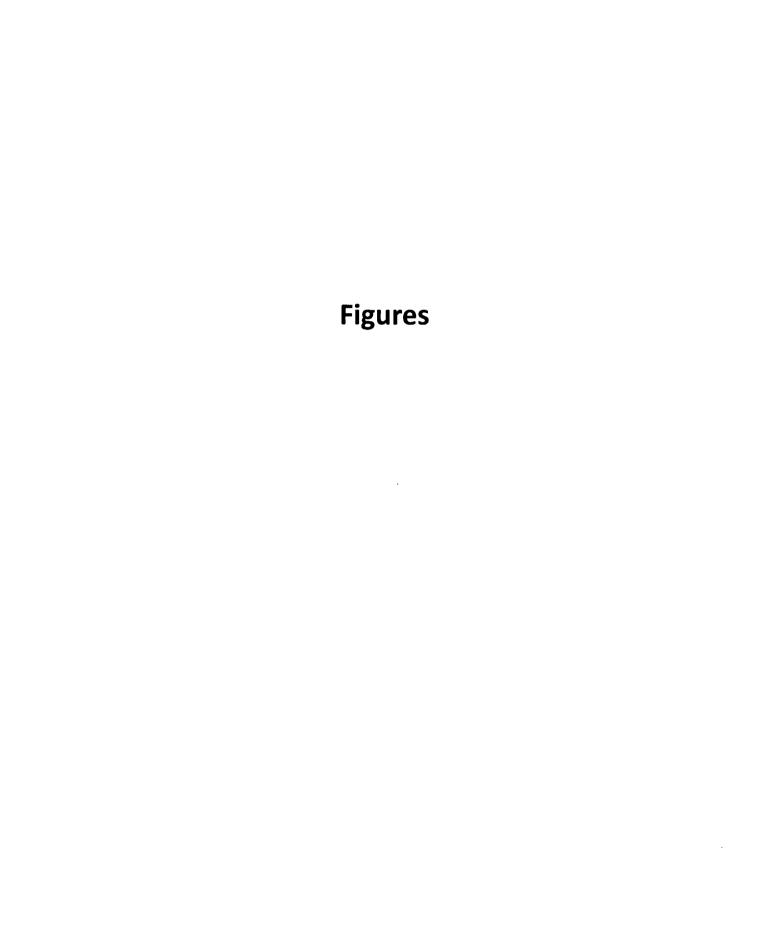
If there are any questions regarding this report, please contact either Steve Moskal or Reid Allan at 505-325-7535.

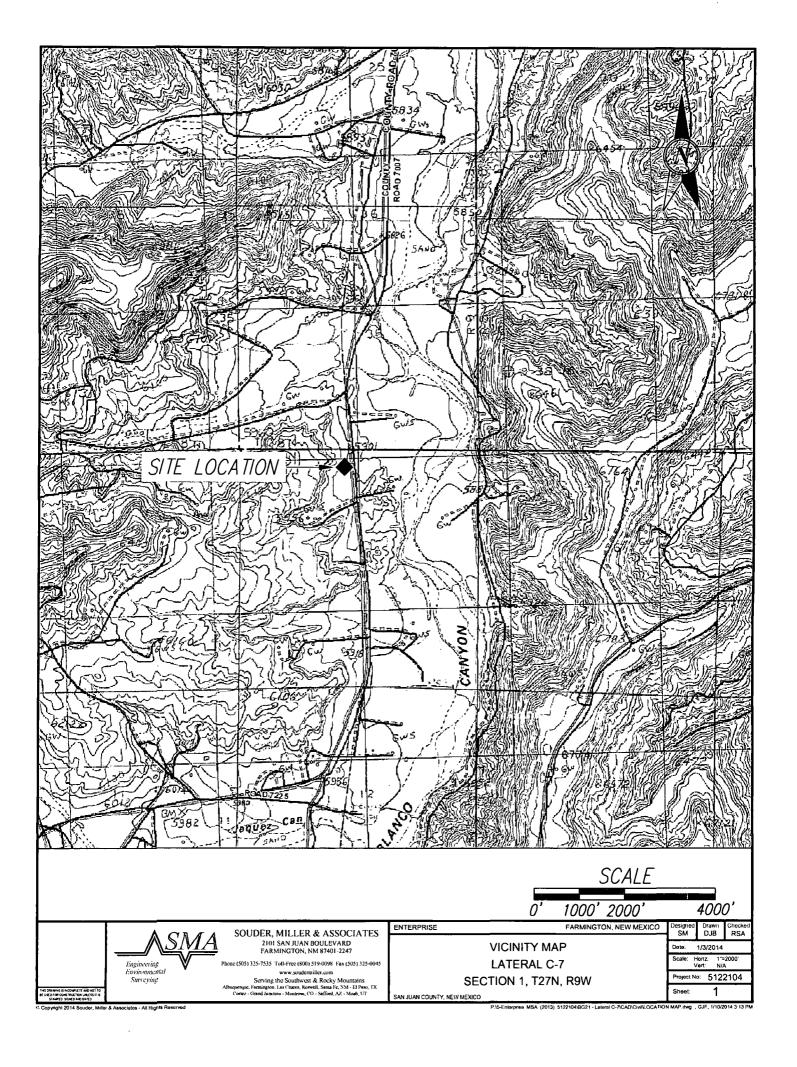
Submitted by:

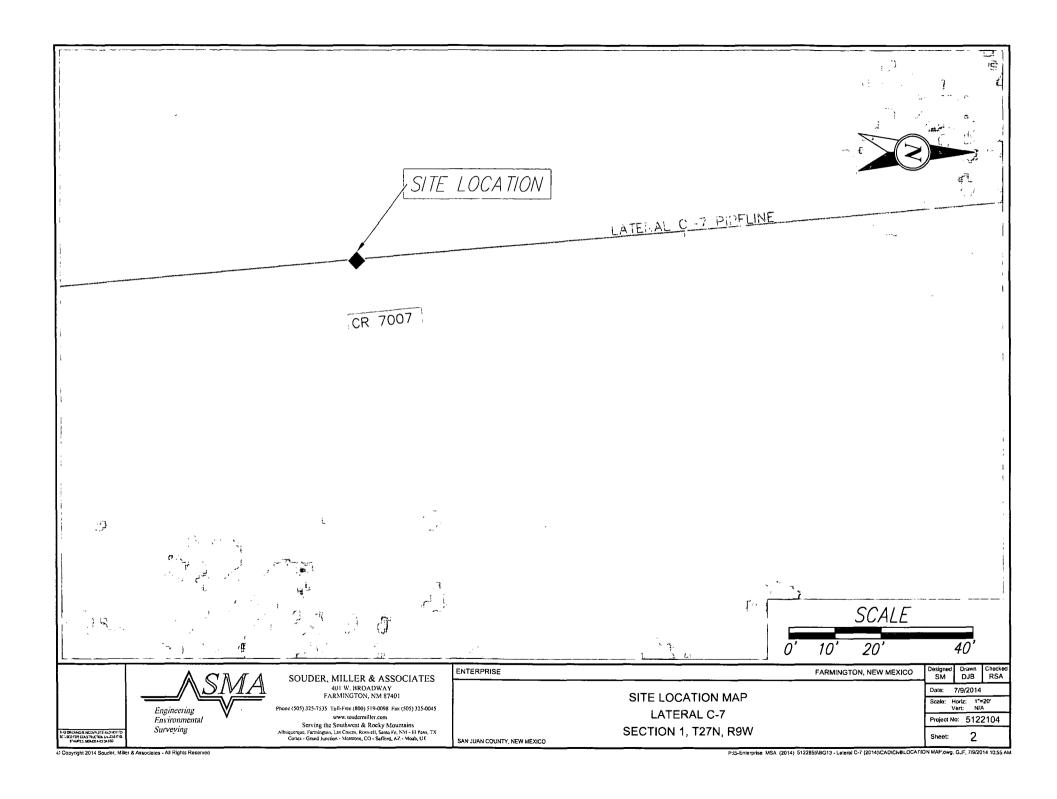
Reviewed by:

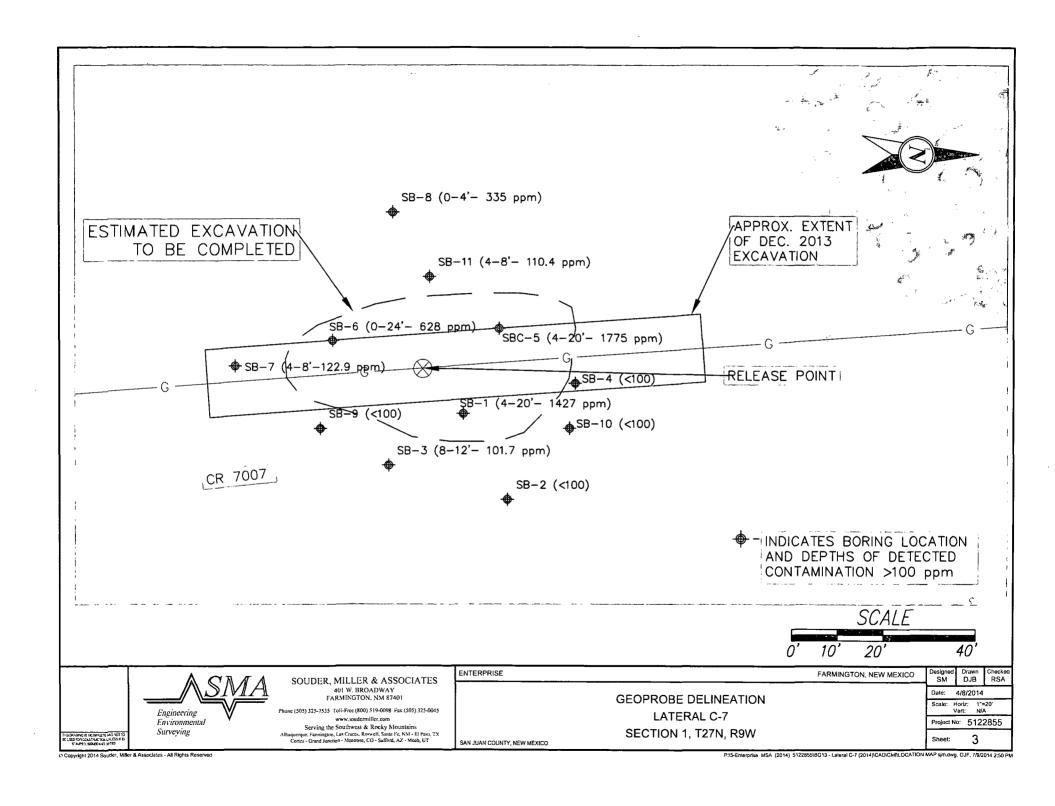
SOUDER, MILLER & ASSOCIATES

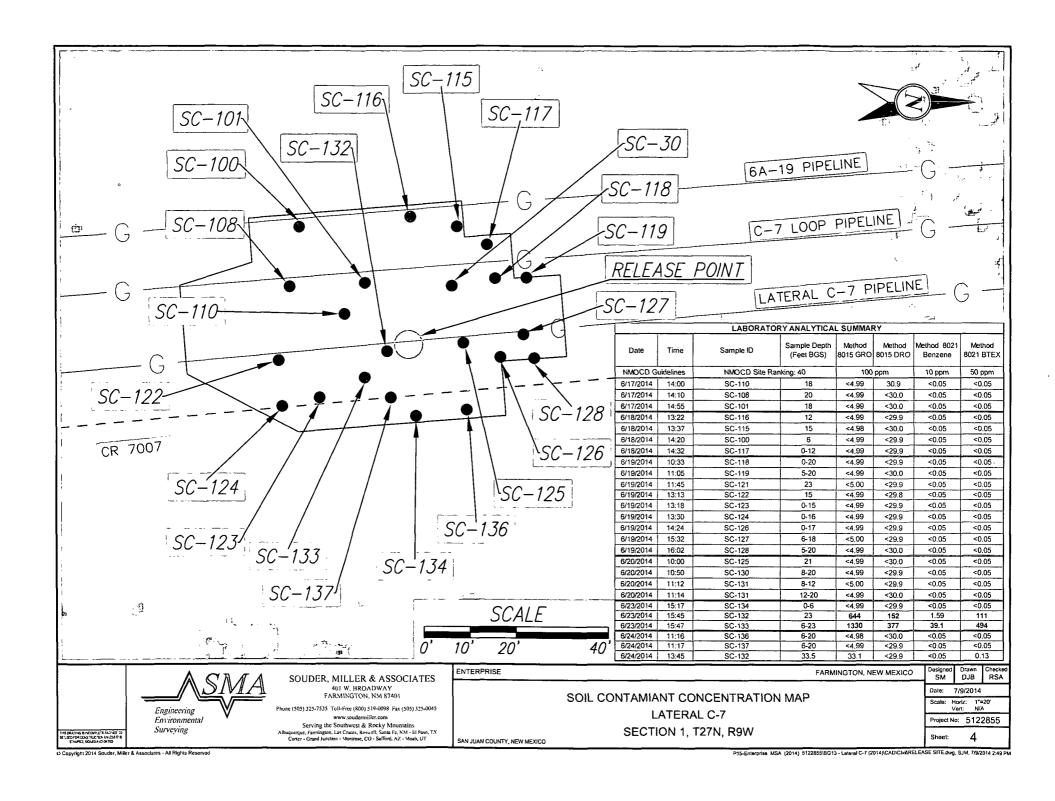
Steve Moskal Project Scientist Reid S. Allan, PG Principal Scientist











Tables

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20	20	Field verification that release is located within	Groundwater is assumed to be less than 50 feet
50' to 99' = 10 >100' = 0		an unnamed wash.	below ground surface.
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20	20	Field verification that	Release is located within
200'-1000' = 10		release is located within an unnamed wash.	an unnamed tributary wash of Blanco Wash.
>1000' = 0			
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source? <200' for a private domestic	0		No recorded water wells
water source? YES OR NO to BOTH. YES = 20, NO = 0		NM State Engineer Water Well Database	located with 1000'; Ten wells located within a 1 mile radius.
			Time radius.
Total Site Ranking	40		
Soil Remedation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM



		FIELD SCREEN	ING RESULTS SUMMARY	_	<u> </u>
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
6/16/2014	12:05	SC-100	6	24.7	N
6/16/2014	12:20	SC-101	5	18.4	N
6/16/2014	13:10	SC-102	8	364.8	N
6/16/2014	13:25	SC-103	12	242.1	N
6/16/2014	13:50	SC-103	18	64.2	N
6/16/2014	13:55	SC-101	10	92	N
6/16/2014	14:30	SC-104	8	41	N
6/16/2014	15:35	SC-105	14	1171	N
6/16/2014	16:00	SC-106	8	1365	N
6/17/2014	11:05	SC-107	16	13.1	i N
6/17/2014	11:08	SC-108	10	9.4	N
6/17/2014	11:10	SC-109	12	734.6	N
6/17/2014	14:00	SC-110	18	30.4	Y
6/17/2014	14:10	SC-108	20	176.2	Y
6/17/2014	14:55	SC-101	18	43.8	Y
6/17/2014	15:40	SC-111	20	2367	N N
6/17/2014	15:50	SC-112	0-12	1045	N
6/18/2014	10:35	SC-113	20	5160	N
6/18/2014	10:37	SC-114	0-18	458.6	N
6/18/2014	13:00	SC-115	7	22.5	N
6/18/2014	13:10	SC-115	12	226.5	N
6/18/2014	13:22	SC-116	12	42.6	Y
6/18/2014	13:37	SC-115	15	80.6	Ÿ
6/18/2014	14:20	SC-100	6	29.7	· Y
6/18/2014	14:32	SC-117	0-12	161.5	Ÿ
6/19/2014	10:33	SC-118	0-12	74.6	Y
6/19/2014	10:50	SC-119	5-18	65.4	N N
6/19/2014	11:05	SC-119	5-20	184.1	Y
6/19/2014	11:10	SC-120	5-20	366.6	N
6/19/2014	11:45	SC-121	23	181.3	Y
6/19/2014	13:13	SC-122	15	61.1	Y Y
6/19/2014	13:18	SC-123	0-15	41.7	Ϋ́
6/19/2014	13:30	SC-124	0-16	43.9	Ÿ
6/19/2014	14:20	SC-125	18	1299	N
6/19/2014	14:24	SC-126	0-17	74.8	Y
6/19/2014	15:32	SC-127	6-18	53.9	· · · · · · · · · · · · · · · · · · ·
6/19/2014	16:02	SC-128	5-20	9.4	Y Y
6/20/2014	10:00	SC-125	20	35	Ÿ
6/20/2014	10:12	SC-129	17	1741	N
6/20/2014	10:12	SC-130	8-20	7.1	Y
6/20/2014	11:12	SC-131	8-12	11.3	Y
6/20/2014	11:14	SC-131	12-21	22.6	<del>'</del>
6/23/2014	11:20	SC-132	17	5196	N N
6/23/2014	13:45	SC-132	8-20	2770	N N
6/23/2014	13:47	SC-133	20	1616	N
6/23/2014	14:05	SC-132	22.5	1171	N
6/23/2014	15:17	SC-132	0-6	3.4	Y
6/23/2014	15:45	SC-132	23	1504	<del> </del>
6/23/2014	15:47	SC-132	6-23	1739	Y
6/24/2014	10:40	SC-135	12	1066	N
6/24/2014	11:05	SC-135	19	176.7	N N
	11:05	SC-135 SC-136	6-20	58.3	Y
6/24/2014		SC-136 SC-137	6-20	165.8	Y
6/24/2014	11:17	SC-137 SC-132	25	1793	N
6/24/2014	11:30		31	9691	N N
6/24/2014	13:20	SC-133			
6/24/2014	13:22	SC-138	0-20	1542	l N



		LABORATOR	RY ANALYTICA	L SUMMAR	Y		
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD G	uidelines	NMOCD Site Ran	king: 40	100	ppm	10 ppm	50 ppm
6/17/2014	14:00	SC-110	18	<4.99	30.9	<0.05	< 0.05
6/17/2014	14:10	SC-108	20	<4.99	<30.0	<0.05	<0.05
6/17/2014	14:55	SC-101	18	<4.99	<30.0	<0.05	<0.05
6/18/2014	13:22	SC-116	12	<4.99	<29.9	<0.05	<0.05
6/18/2014	13:37	SC-115	15	<4.98	<30.0	<0.05	<0.05
6/18/2014	14:20	SC-100	6	<4.99	<29.9	<0.05	<0.05
6/18/2014	14:32	SC-117	0-12	<4.99	<29.9	<0.05	<0.05
6/19/2014	10:33	SC-118	0-20	<4.99	<29.9	< 0.05	<0.05
6/19/2014	11:05	SC-119	5-20	<4.99	<30.0	<0.05	<0.05
6/19/2014	11:45	SC-121	23	<5.00	<29.9	<0.05	< 0.05
6/19/2014	13:13	SC-122	15	<4.99	<29.8	<0.05	<0.05
6/19/2014	13:18	SC-123	0-15	<4.99	<29.9	<0.05	<0.05
6/19/2014	13:30	SC-124	0-16	<4.99	<29.9	<0.05	<0.05
6/19/2014	14:24	SC-126	0-17	<4.99	<29.9	<0.05	<0.05
6/19/2014	15:32	SC-127	6-18	<5.00	<29.9	<0.05	<0.05
6/19/2014	16:02	SC-128	5-20	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:00	SC-125	21	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:50	SC-130	8-20	<4.99	<29.9	<0.05	<0.05
6/20/2014	11:12	SC-131	8-12	<5.00	<29.9	<0.05	<0.05
6/20/2014	11:14	SC-131	12-20	<4.99	<30.0	<0.05	<0.05
6/23/2014	15:17	SC-134	0-6	<4.99	<29.9	<0.05	<0.05
6/23/2014	15:45	SC-132	23	644	152	1.59	111
6/23/2014	15:47	SC-133	6-23	1330	377	39.1	494
6/24/2014	11:16	SC-136	6-20	<4.98	<30.0	<0.05	<0.05
6/24/2014	11:17	SC-137	6-20	<4.99	<29.9	<0.05	<0.05
6/24/2014	13:45	SC-132	33.5	33.1	<29.9	<0.05	0.13



# Appendix A Field Notes

SUBJECT	EPCO	1 54	C-7

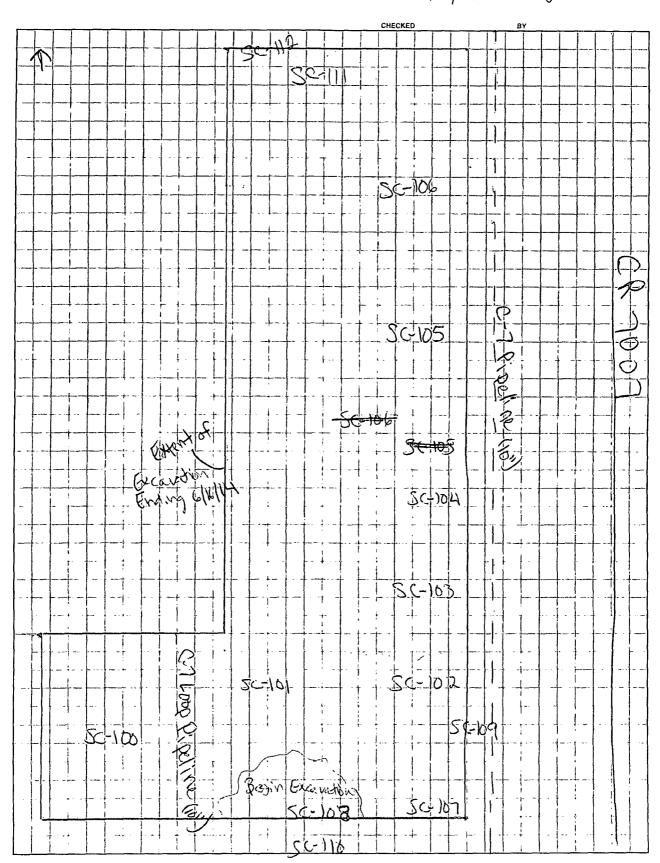
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CLIENT EPCD DATE 6/16/14 BY SJM

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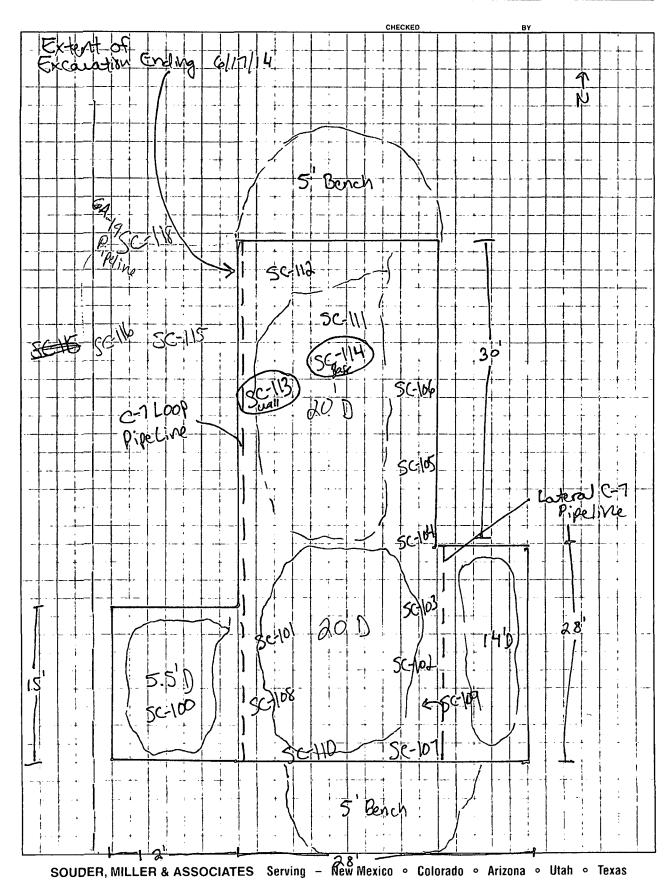
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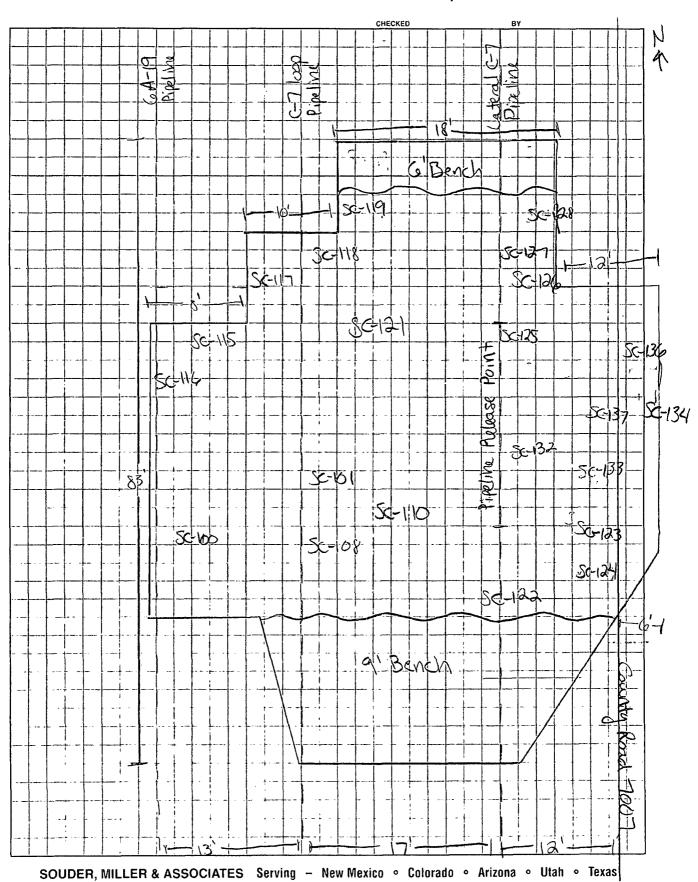
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BY SJM

DATE 6/19/14 -6/24/14 Sc-1981 5-1201 Execution 6/23/14 Extent of 1 the country 6/24/4 C-7 1000

CLIENT EPCO

DATE (0/27/14 BY STM



	Field:	Screen	ing		<b>#</b>
	Location Name			0	Pate
! Cateral	<u> </u>	1		6/16/16	4
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-100	s'w of C-7 loop	ini) 6'	1205	1215	247
SC-101	5' E of C-7 100p	5'	1220	1227	18.4
SC-102	5'Wof C-7pl	8,	13/0	1320	364.8
SC-703	5'W of C7PL	12'	13 25	1342	242.1
\i	11	18'	1350	1356	64.2
SC-101	,	10,	1355	1402	920
SC-104	5' w of C-7, Clean Buckfill from p	8'' UNDAS	1430	1436	41.0
56/05	5' wof GTPL	143	1535	1542	1171
SC-106	8' wor C-7PL	8'	1600	1605	1365
SC-107	Situal 8 Pluct	16	1105	1128	13.1
Sc-108	5. wall 12' wof	10'	1108	1129	9.4
50-189	Along GTPL, Nof Suall = 8' S. wall 5'S of	19,	1110	1130	734.6
5C-110	s. wall 5's of 50-108	181	1460	1405	30.4

5-/17/14

	Field Screenir						
	Location Name Lateral C-7				Date (2) 114		
	Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)	
	SC-108	see above	20'	1410	1420	176.2	A
$\wedge$	SC-101	su above	18,	1455	1500	43.8	B
	SC-III	Collop 11-	20'	1540	1555	2367	
	SC-112	N. wall	0-12,	1550	1557	1045	
	SC-113	Base BIT C-7 100pt C-7@50' N&Sual1	901	1035	1047	5160 +56	
	SC-114	cu half 3'E of C-7 In bother 6A-19 PL	0-18'	1037	1048	458.6	
	SC-115	In butween GA-19 PL 14 C-7 10019 PL	7'	1300	1315	22.5	
-	56-115	11	13,	1310	1316	226.5	Lah
	sc-114	W. Wall: ≈2,5' E of GA-19 PL	12)	1322	1329	42.6	& mps
	SC-11S	de above	18'	1337	1343		B
	SC-100	See above	اه.م	1420	1426	29.7	A
	85-117	W of 07 loop PL	0.12'	1432	1441	161.5	¥
<u></u>	F 6 110	NW WITHER 21 FOF	0-201	1033	1044	74.6	X

Field Screening #3						
Location Name					Date (6/19)14	
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)	
SC-119	N mallie of Co	5-18	1020	1057	65.4	
Sc <del>-120</del>	" "	5-20'	1105	1118	184.1	1
SC-190	Nuall 2'Wof lat C-7PL	5.20'	1110	1119	366.6	
SC-121	N. Base	23'	1145	1201	181.3	4
SC-122	J Bosa below Lot G7	12,	1318	1339	61.1	×
56-123	S, portion of E wall, E of Lat G71	0.45'	1318	1340	41.7	*
SC-124	SE corner wall	0-161	1330	134/	43.9	A
SC-125	E Base \$5'EOF Lat C-7PL	18	1420	1434	1299	
SC-12 <b>6</b>	E wall abor SC-125 approx 8 Fof	0-17'	1424	1434	74.8	A
SC-127	1 = 1 = al = c	G-18'	1532	1538	53.9	A
SC-128	5' N of Sc.120	5-20	1602	1611	4.4	R
ic-125	Fee above	20'	1000	1012	35.0	A
30129	Below Glot C7PL Relies Point	17'	10/2	1023	1741	

6/20/14

		#4						
		C-130  Blow Cot C-1PL  B-20' 105  C-131  C-131  Cond (RP) R7'E Grades  C-134  Mid of E wall.  Base.  C-133  Mid of E wall.  C-133  Mid of E wall.  C-134  See above  C-134  Read  C-134  Read  C-135  See above  C-133  See above  C-133  See above  C-133  See above  C-133  See above  C-133  See above  C-134  See above  C-135  See above  C-137  See above  C-137  See above  C-138  C-133  See above  C-23' 1545			Date			
	Catera	Location Name  Cateral Composition  Depth (Feet Time Coll Boss)  C-130 N. wall  C-130 N. wall  C-131 E wall @ Release 8-12' 1117  C-131 E wall @ Base   Dap 31' 1114  mid of E wall.  Base   17' 11345  C-132 See above   22,5' 1405  C-134 Road   0-6' 1517  C-133 See above   (6-23' 1547  C-133 See above   (6-23' 1547  C-133 See above   (6-23' 1547  C-135 See above   (6-23' 1547  C-135 See above   (6-23' 1547  C-135 See above   (6-23' 1547  C-135 See above   (6-23' 1547  C-135 See above   (6-23' 1547  C-135 See above   (12' 1040)				612014		
	Location Name	Description	1	Time Collected	Time Screened	PID Reading (ppm)		
	SC-130		8-201	1050	1100	7.1	*	
	SC-131		8-12 <sup>1</sup> 	1112	1125	11.3	X	
	ŠC-131		129-21'	1114	1126	22.6	A	
CRYKI	SC132	_	17	1120	1141	5196		
	Sc- 133		8-20'	1345	135(	2770		
	SC-132	se alore	20'	1347	(352	1616		
	S=-132	1 '	22,5'	1405	15110	1171		
	SC-134	Road	0-61	1517	1532	3,4.	A	
	SC-132	, ``	23'	1545	·556	1504	A	
	SC-133	see above	(e-23)	1547	1557	1739	A	
6/24/1	4 6C-135	E Basi	12'	1040	1050	1066		
	SC-135		191	1105	1112	176.7		
	5C-136	E hall of E exc.	6-201	1116	1135	58.3	X	

	Field S	Screen	ing		#5	
Location Name					Date (0)2413	
SC-137	Exc (banch)	(0-20	1117	1130	165.8	J.A.
SC-132	E. Basa Below C-7	25'	1130	1139	1793	
SC-133	see above	31'	1320	1:329	9691	
SC-138	See above  N. wall of E.  Exc. (no bench)	0-90,	1322	1330	1542	
SC-132	See above	33.5	1345	1352	748.1	校

# Appendix B Site Photography

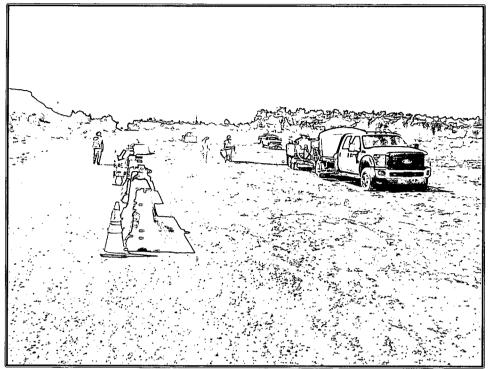


Photo 1: Potholing and setting of barricades along County Road 7007 prior to excavation of the Lateral C-7 Pipeline.

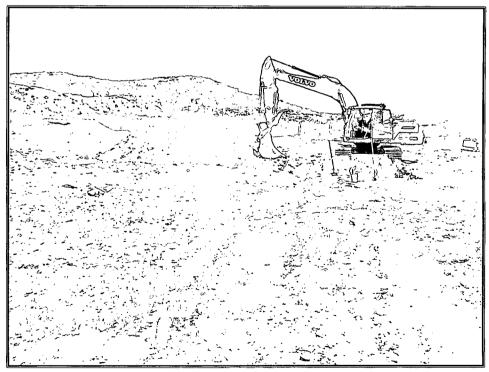


Photo 2: Beginning stages of the Lateral C-7 Pipeline.



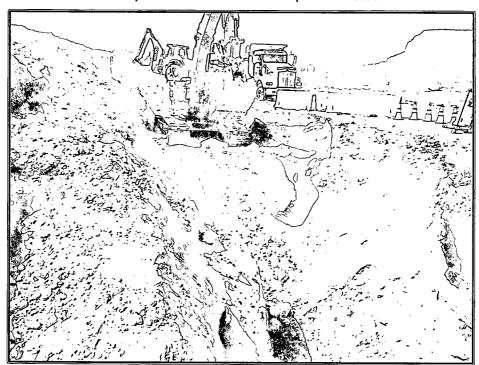


Photo 3: Beginning excavation of the adjacent C-7 Loop Pipeline.

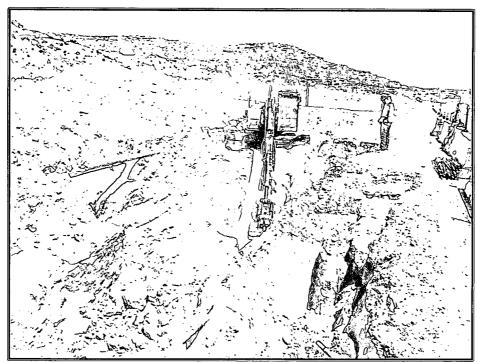


Photo 4: Continued excavation of the Lateral C-7 Pipeline. The C-7 Loop Pipeline pictured left.



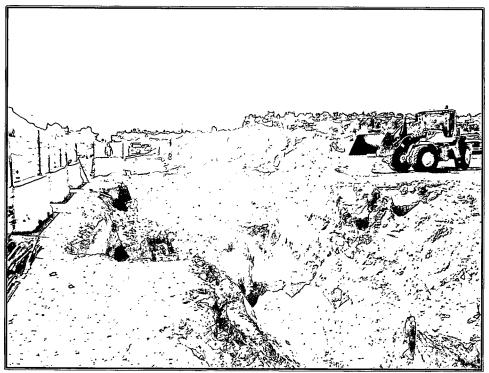


Photo 5: Backfilling of the south portion of the Lateral C-7 Pipeline excavation.

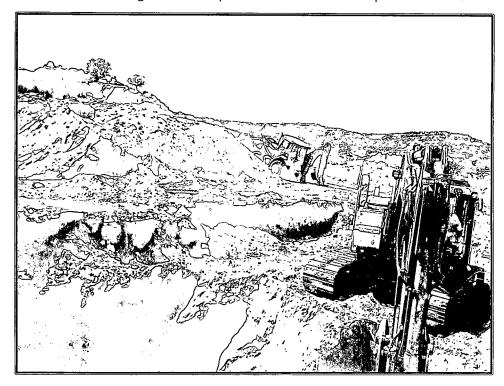


Photo 6: View of excavation equipment benched down to reach the base at approximately 25'.



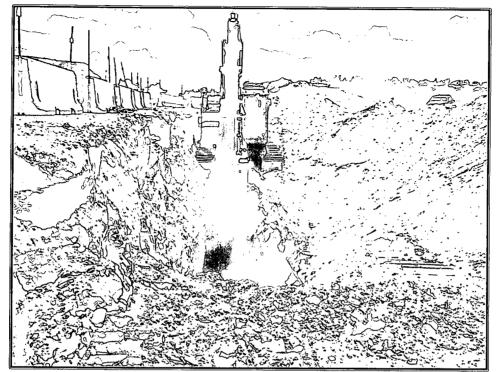


Photo 7: View of the excavation in County Road 7007 with equipment benched 6' down.

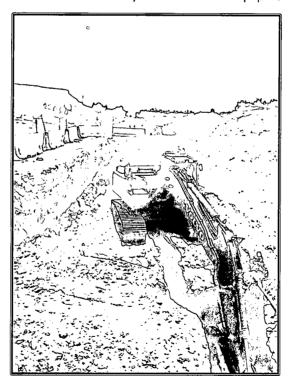


Photo 8: View of the excavation in County Road 7007 with equipment benched 9' down to reach 33' below grade.



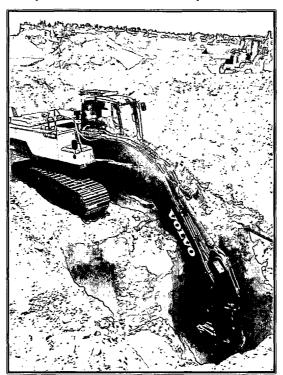


Photo 9: Excavation approximately 20' below the Lateral C-7 Pipeline.

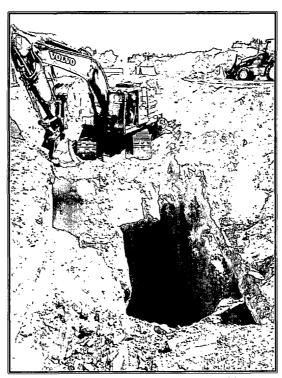


Photo 10: Final excavation depth of the Lateral C-7 Pipeline at 33.5' below ground surface along County Road 7007.



# Appendix C Soil Disposal Documentation

	envirotech	vot.7
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MANIFEST # 47115

DATE 16-00114 JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DRIVER SIGNATURE** POINT OF ORIGIN DESTINATION **MATERIAL GRID** COMPANY **YDS BBLS** TRK# TIME LAT CT ENVEROTECH CURN RETCHY Ch DERT TRANSPORATEON ENTEPRESS Lineems-271 Clean Ritchy Envirotech Late 7 271 20 4 20 1) RESULTS: NOTES: LANDFARM **CHLORIDE TEST** EMPLOYEE:

PAINT FILTER TEST / Certific	cation of above peceival & placement		
By signing as the driver/transporter, I certify the material	hauled from the above location has not been add	ed to or tampered with. I certify the mater	ial is from the above
mentioned Generator/Point of Origin and that no addition	al material has been added or mixed into the load	1.	0 , 1
TRANSPORTER CO. KITCHEY DTAN	IN NAME ElvIVIX, teh	e SIGNATURE	tely
COMPANY CONTACT NIKE	PHONE 793 4426	_ DATE Jene 16 14	
Signatures required prior to distribution of the legal docur	ment.		
	White - Company Records, Yellow - Billing, Pink - Customer	V	san wan reproduction 578-126



MANIFEST # 4728	13	
DATE 6.26.14	JOB#_	97057-0644

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

PHONE	<u>:: (505) 632-0615 • 5796 U</u>	.S. HIGHVVAT 64	• FARIVIING FOR	, INE VV IVIE	XICO 8740	/ (				
LOAD	СОМІ	PLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Enterpriso	LFII-5	CONT	G14	20	_	MOSS.	27	1050	Lee Mas
2	1)	1 1	11	G14	20	4	, , )	27	1310	Lee Mas
3	1)	1)	١,	G-14	20	)	11	27	1550	Lee Mass
					60					
					Ost					
								-		
RESULT	S:	LANDFARM	1	1	MŽO	E2	NOTES:	<u></u>		
6284	CHLORIDE TEST	EMPLOYEE:	( oug	Kobi	MZO					
	PAINT FILTER TEST 1		cation of above re	ceival & pla	cement					
		416 41 5 1 4								

nentioned Generator/Point of Origin and that no additional mate	erial has been added or mixed into the load.	٨
TRANSPORTER CO. MOSS Excauation	NAME LEE MOSS	SIGNATURE LOW MOS
COMPANY CONTACT	PHONE	DATE 6-26-14
Signatures required prior to distribution of the legal document		

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above



Signatures required prior to distribution of the legal document.

MANIFEST # 47282 DATE 6-26-14 JOB # 97057-8644

PHONE	: (505) 632-0615 • 5796 U	.S. HIGHWAY <u>64</u>	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	)1				
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	E.tech	Enterprise Late. 7	FILL		20	_	MOSS	27	730	Les Mos
2	<b>1</b> . j	١)	5012	_	20	_	moss	27	1050	Lee Miss
3	1)	11	17		20	_	moss	27	1314	Lee Moss Lee Moss Lee Moss
RESULTS		LANDFARM	1	Robi		EL	NOTES:			
	CHLORIDE TEST	EMPLOYEE:	vary	roba	nsor	7		<del></del>		
	PAINT FILTER TEST	Certific	cation of above re	ceival & pla	cement					}
mentioned	g as the driver/transporter, I d Generator/Point of Origin a	and that no addition	al material has be	en added o	r mixed into	the load	d	•	•	
TRANSPO	RTER CO. Moss E,	xcovation	NAME	ee Me	55		SIGNATURE	Lee	Mo	02
COMPANY	CONTACT Mike	EMS	PHONE	· · · · · · · · · · · · · · · · · · ·	<del>-</del>		DATE <u>6</u> -	26.	-14_	



Signatures required prior to distribution of the legal document.

#### Bill of Lading

MANIFEST # 47281

DATE 6.26.14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DRIVER SIGNATURE** POINT OF ORIGIN **DESTINATION GRID YDS BBLS MATERIAL** COMPANY TRK# CONT. 5012 17 11 11 11 11 **RESULTS:** NOTES: LANDFARM & Thy CHLORIDE TEST **EMPLOYEE:** Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. Yucca NAME Rol Rogers SIGNATURE Malf



MANIFEST # 47280 DATE 6-26-14 JOB # 97057-0644

PHONE	: (505) 632-0615 • 5	796 U	S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	)1			<b>-</b>	
LOAD		COMP	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSPO	ORTING (	COMPA	١Y
NO.	POINT OF ORIG	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	E. tech		2atC-7	Clesn		20		YUCCA	AF	730	Renthm
2	1)		11	1.)		20		YUCCA	AFG	1040	Kadlan
3	. V		1,	Ŋ		20		YUCCA	AF	1400	Readfor
						1 9		<i>V</i>			
		_				60					
RESULT	3:		LANDFARM	1		ß		NOTES:	•		
	CHLORIDE TEST		EMPLOYEE:	(Jan)	Zaln	inso	27		·		
	PAINT FILTER TEST		Certifi	cation of above re	ceival & pla	cement					
mentioned	d Generator/Point of O	rigin a	nd that no addition	ial material has be	en added o	or mixed into	o the load	d.	/	}	material is from the above
TRANSPO	RTER CO. YUZ	<u>e</u> c	<u> </u>	NAME	Red	Rogers		SIGNATURE	1	ul	fr
COMPANY	CONTACT /	4.1.K-1	A	PHONE _	320-	- 017	3	DATE	6-	26-	14
Signature	s required prior to dist	ributio)	of the legal docu	ment.							•

MANIFEST # 47279

DATE 6-26-14 JOB # 97057-0644

PHONE	: (505) 632-0615 • 57	'96 U.S. HIGHWAY 64	• FARMINGTON	, NEW ME	XICO 8740	01			_/			
LOAD		COMPLETE DESCRIP	MPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
NO.	POINT OF ORIGI	N DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE		
1	ENTERPRIS	e LFII.5	CONI	F-14	20	-	Ritchey	471	1040	June 1 Kitchen		
2	WTC-/	1 /	1)	G-14	20	_	-11	471	1237	Por Thefre		
3	1/ 1.	, , ,	1.1	G-14	20		11	L 71	1538	Court & the		
					LD							
RESULTS		LANDFARM			1 11	1 20	NOTES:					
1294	CHLORIDE TEST	EMPLOYEE:	Jaly	144	1/1/10	00		<del></del>				
	PAINT FILTER TEST g as the driver/transpor	<u></u>	ication of above re-									

By signing as the driver/transporter, I certify the material hauled		or tampered with. I certify the material is from the above
mentioned Generator/Point of Origin and that no additional mate	erial has been added or mixed into the load.	
TRANSPORTER CO. KIECHLY Tozef	NAME FINALT XIKKEY	SIGNATURE The TRING
COMPANY CONTACT 115	PHONE 77934426	DATE Lange 26/11
Signatures required prior to distribution of the legal document.		



MANIFEST # 47278

DATE 6.26.19 JOB # 97057-0644

	. (505) 632-0615 • 5796 U		ION OF SHIPMEN			TRANSPORTING COMPANY				
LOAD NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	Τ	TIME	DRIVER SIGNATURE
	POINT OF ORIGIN	6 alton		GRID	100	BBLS	COMPANY	TRK#	THVIE	Univer Signature
1	E.tech	Prise	Clear		20		Kitchey	71	724	The Thirth
2	17	lotC-7	5012	_	20	_	i)	L 71	1040	Clast Rittle
3	1 /	11	63		20	-	11	z 7/	1238	Ohn TRites
					10					
					60					
								}		
RESULTS			A			<b></b>				
HESULIS	CHLORIDE TEST	LANDFARM EMPLOYEE:	( Aug 1	Cala	ns en	EL 1	NOTES:			
	PAINT FILTER TEST	Certifi	cation of above red	ceival & pla	cement					
By signing mentioned	as the driver/transporter, I define a driver/Point of Origin a	nd that no additior	nal material has be	en added o	r mixed into	o the load	d.		ertify the	material is from the above
TRANSPO	RTER CO. Kitche	y Truck	NAME /	ELVIIV	TR	LCh	SIGNATURE	Jel,	[ [4]	X Holens
TRANSPORTER CO. Ritchey Trucks as NAME Elvin This files SIGNATURE // / XIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII										
	s required prior to distribution	n of the legal docu	ment.				·		,	



MANIFEST # 47277

DATE 6-26-14 JOB # 97057-0644

PHONE	E: (505) 632-0615 • 579	6 U.S. HIGHWAY 64	• FARMINGTON	I, NEW ME	XICO 8740	)1	DAIL O		-1 000	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LOAD	Co	OMPLETE DESCRIP	TION OF SHIPME	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	1	TIME	DRIVER SIGNATURE
1	ENTERPRISE	LFII.5	CONT	F 14	12		EM5	309	1040	Roht the
					12					
					l ec					
						P				
RESULT	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	1			NIE	NOTES:			
3 (2,5 )	PAINT FILTER TEST	Certif	ication of above re	ereival & pla	cement	09)				
mentione	d Generator/Point of Orig									material is from the above
	ORTER CO	U - ne	nal material has be NAME // PHONE ument.	opul	Tould		SIGNATU	JRE KOL	1/00	
	Y CONTACT PMikes required prior to distrib	ution of the legal docu	PHONE ument.	4.4.7.			DATE	0'06'	19	



MANIFEST # 47276 DATE 6-26-14 JOB # 97057-0644

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPO	ORTING (	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E-tech	Enterpris Lut C-7	-Clean Fill		12	_	Ems 3	09	721	RATE
2	>)	١)	F:11 5012	_	12	_	EMS 3	107	1040	By Gous Relinio
					74					•
<u> </u>										
RESULTS		LANDFARM		0.1		EL	NOTES:			
	CHLORIDE TEST	EMPLOYEE:	Wy,	Kelhi	MD	2				
	PAINT FILTER TEST	cation of above red								
	g as the driver/transporter, I od Generator/Point of Origin a	حجافا المحمد عجاما المحا	al motorial bac ba				. ·		<u>^</u>	1
TRANSPO	RTER CO. E P S CONTACT E M S required prior to distribution		NAME	Kober T	Fouk	_	SIGNATURE	- Ka	1	the
COMPANY	CONTACT EMS /	nike 5	PHONE				DATE	1-26	-14	
Sianature	s required prior to distribution	n of the legal docu	ment.				<del></del>			

MANIFEST #	47270	
/ -	_	

DATE 6.25-14 JOB# 97057-0644

FHONE	:: (505) 632-0615 • 5					XICO 8740	)1		·		
LOAD	NO.									1Y	
NO.	POINT OF ORIG		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enter Pri Lat	Se	LFII-5	CONT	E-14	12		EMS	10	1125	RH
2	C.7		11	11	F14	12	_	Ems 3	10	1350	Political
3	11	۱,	١,	1 )	F14	12		Ems 3	9	1628	RIFIL
						36					
·											
RESULTS	3:		LANDFARM		0	1.	SL	NOTES:			
4 294	CHLORIDE TEST	1	EMPLOYEE:	bay	Kol	inso	3			<u> </u>	
	PAINT FILTER TEST	1	Certific	cation of above re	ceival & pla	cement					

						L		L		J	L	
RESULTS	S:		LANDFARM	1	0	1.	EL	NOTES:				
< 29H	CHLORIDE TEST	1	EMPLOYEE:	bay	Kol	ins	73			<u></u>		
	PAINT FILTER TEST	1	Certifi	cation of above red	ceival & pla	cement						
nentioned RANSPO	g as the driver/transport d Generator/Point of O RTER CO.	rigin a	nd that no addition	nal material has be	en added	or mixed int	to the loa			ertify the	material is	from the above
	CONTACT EM							DATE_6	-25	-14		And the second s
Signature	s required prior to dist	ributioi	n of the legal docu	<i>ment.</i> White - Compan	ıy Records, Yeli	ow - Billing, Pini	k - Custome	r				san juan reproduction 578-126



MANIFEST # \_\_47269\_\_\_

MANIFEST # 47269

DATE 6.25.14 JOB # 97057-0644

PHONE: (	505)	632-0615	<ul> <li>5796 U.S.</li> </ul>	HIGHWAY 64	<ul> <li>FARMINGTON.</li> </ul>	NEW MEXICO 87401
—	,		0.000.0.			

LOAD	(555) 552 55		PLETE DESCRIPT	• FARMINGTON  TION OF SHIPMEN		7100 0140		TRANSPO	ORTING (	COMPA	NY
NO.	POINT OF		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1_	Entert	92179	LFII.5	CONIT	E.14	20	^	m035	27	1104	Lee Moss Lee Moss
2	C-7	1)	11	17	F-14	20		moss	27	1468	Les Moss
3	1)	<b>Y</b> )	17	١٠)	F14	20		moss	27	164:	Les Miss
						100					
								-7			
							· -				
RESULT				_			P3 -				
	CHLORIDE TE	ST }	LANDFARM EMPLOYEE:	Consu	KAL	INSP	EL	NOTES:			
	PAINT FILTER	TEST 1	Certifi	cation of above re	ceival & pla	cement					

							ļ			
						e above location has not bee		r tampered with.	I certify the material	is from the above
					terial has	been added or mixed into the	ne load.	,		
		mo				Lee Moss		SIGNATURE Las	2 20000	
COMPANY	CONTACT	EM	25	miles	_ PHONE	,		SIGNATURE LAC	5-14	
				on of the legal document.					$\iota$	



MANIFEST #	47268

WAINI LOT#	<u> </u>
DATE 6-25-14	JOB# 97057-0644

PHONE	: (505) 632-0615 • 5	796 U	.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	)1					
LOAD		COME	PLETE DESCRIPT	TON OF SHIPMEN	VT			TRANSPO	ORTING	COMPA	1Y	
NO.	POINT OF ORIG	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER	SIGNATURE
1	ENterpris Lat C-7	50	LFII-5	CONIT	E.14	20	_	Ritchey	71	1100	War.	Thethy
2	C-7 1	j	11	11	F14	20	_	13	L71	1407	Jun 1	Rithy
3	1(	,	11	17	F14	20		1)	171	1645	Then	They
						60						
											<u> </u>	
										·		
RESULTS	S:		LANDFARM		<del></del>	E		NOTES:	<u> </u>			
2394	CHLORIDE TEST	_{	EMPLOYEE:	Cay &	obini	gr				·		
	PAINT FILTER TEST	0		cation of above red								
mentioned	as the driver/transport Generator/Point of O	rigin a	nd that no addition	al material has be	en added o	r mixed into	the load	d.		rtify the	material is	from the above
TRANSPO	RTER CO. Ritch	ey_	Truckin	9 NAME	E/VI	11/1	C. Je	ME SIGNATURE	14	m-l	17(1)	Kly

ESULTS	S:	_	LANDFARM	4	EL	NOTES:	
294	CHLORIDE TEST	[	EMPLOYEE:	Gay Robi	nlor		
	PAINT FILTER TEST	ļ	Certific	cation of above receival &	placement		
entioned RANSPO OMPANY		rigin a ey S	nd that no addition Truckin Milke	nal material has been adde 9 NAME/1 S PHONE	ed or mixed into the load	ded to or tampered with. I certify the material is fad.  MCSIGNATURE  DATE  DATE  DATE	rom the above
.9	0.04200 prior to uioi.				. Yellow - Billing, Pink - Custome	er si	an juan reproduction 578-126

envirotech envirotech
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MANIFEST # 47267

DATE 6 25.14 JOB # 97857-8644

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

LOAD	COMI	PLETE DESCRIPT					TRANSPO	RTING	COMPAN	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Enterprise Lat	LFII-5	con't	E.14	20		YUCCA	AF.	1105	Heallow
3	C-,7 1,	LFII.5	11	F-14	20	_	YUCCA	AF	1411	Moulton
3	17 17	١٦	1)	F 14	20	_	YUCCA	AF	1640	Realform
					60	<u> </u>				, ,
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Conul	Poles	in ar	EL	NOTES:			
0 00 0	PAINT FILTER TEST	Certific	cation of above re	ceival & pla	cement					
mentioned	g as the driver/transporter, I define a definition of the desired desired desired desired as the desired desir	nd that no addition	al material has be	en added c	r mixed into	o the load	d.		( )	. //
TRANSPO	CONTACT EMS	· <del>-</del>	NAME	Keal	Koger	s	SIGNATURE	J	Vert	fly
COMPANY Signature	CONTACT $\leq m S$ is required prior to distributio	<i>Mike</i> S n of the legal docu	PHONE _			· • • • • • • • • • • • • • • • • • • •	DATE 6	25	1-19	

White - Company Records, Yellow - Billing, Pink - Customer

envirotech
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Signatures required prior to distribution of the legal document.

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

# Bill of Lading

MANIFEST #	_47266	
_		

DATE 6.25-14 JOB# 97057-0644

LOAD		СОМІ	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORIG	iN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
l	ENvirotech	L	Enterpris TC 7	Clean		12		- 10/1 C	310	95	7 Relt Talo
2	, ,	1	1 7	Fi'll		12	-	E MS 3	10	1125	Restrict
3	11	1/	<i>6</i> (	. 1		12		Ems	310	1350	follow
						36					
											,
						-					
RESULTS	3:		LANDFARM	Λ	$\sim$	1 -	EL	NOTES:			
	CHLORIDE TEST	1	EMPLOYEE:	Cour	Rol	rons	Ar				
	PAINT FILTER TEST		Certific	cation of above red	ceival & pla	cement		3			
mentioned	By signing as the driver/transporter. I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										
TRANSPO	RTER CO. EMS	<b>;</b> , _		NAME/	Koberi	Town	lel	SIGNATURE	. Kar	4)	KL
COMPANY	CONTACT EMS	5.	mike	PHONE				DATE 6	25-1	14	



MANIFEST #	47261		
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DATE 6-25-19 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DESTINATION** MATERIAL **GRID** YDS **DRIVER SIGNATURE** POINT OF ORIGIN **BBLS COMPANY** TRK# TIME Enterprise Clear 20 Envirotech FILLSOIL SSOM 10+C-7 1, 17 +1 1/ 1) 20 3 U 1( V 20 11 - N 60 RESULTS: LANDFARM NOTES: EMPLOYEE: CHLORIDE TEST

			Jun	1 JAFOIVED )		
	PAINT FILTER TEST		Certification of abov	e receival & placement		
entione		rigin a	and that no additional material ha	he above location has not been ad s been added or mixed into the loa	ded to or tampered with. I certify the material ad.  SIGNATURE Lee Moss	is from the above
OMPANY	Y CONTACT	_	PHON	E	DATE 6-25-14	
ignature	es required prior to disti	ributioi	n of the legal document. White - C	ompany Records, Yellow - Billing, Pink - Customer	r	san juan reproduction 578-126



MANIFEST # 47260

DATE 25 50 14 JOB # 97057-6644

FHONE	:: (505) 632-0615 • 5796 U	J.S. HIGHWAT 64	- FARIVING TON	, IACAA ME	XICO 8/40	) I				
LOAD	СОМ	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSP	ORTING	COMPAN	NY NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIRONECH	estorentes s	CLUAN		20	_	YUCCA	AF 6	125	Resthia
2	11	71	1)	_	20	_	1.)	AF6	1105	Kull
3	13	1.1	И		20	_	11	AFG	1411	Reall
					60					
							, <u></u>			
							_	1		
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	<u>All</u>	Gar	TRAL.	MAR	MOTES:			
	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	cement					
	g as the driver/transporter, I d Generator/Point of Origin a								, , -	^
TRANSPO	RTER CO. Yuce	· A	NAME /	lead 1	Logers		SIGNATURE	<u> </u>	ead	fun_
COMPANY	mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.  TRANSPORTER CO.  NAME  PHONE 3.20-0173  DATE 6-25-14  Signatures required prior to distribution of the legal document.									
Signature	s required prior to distributio	on of the legal docu	ment.							



MANIFEST # 47259

DATE 25 50 N 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DRIVER SIGNATURE** POINT OF ORIGIN DESTINATION MATERIAL GRID **YDS BBLS COMPANY** TRK# TIME ANTE IL PILLESU CLIAN PHUIROTECH 20 RITCHOY FILL 725 DT C-7 11 11 20 11 3 11 1) 1 | 20 1/ 11 271 100 **RESULTS:** NOTES: LANDFARM CHLORIDE TEST **EMPLOYEE:** PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. RIFERLY THAT NAME ELVIN TRIFERRY SIGNATURE COMPANY CONTACT MIS PHONE 1793 442 DATE JULY 5 Signatures required prior to distribution of the legal document.



MANIFEST # 47247

DATE 6 24-14 JOB# 97057-0644

LOAD		CO	MPLETE DESCRIPT	TION OF SHIPME	NT			TRANSPORTING COMPANY			
NO.		T OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Lat	erprise C-7	LFII.5	20114 5012	I.13	20		M035	27	1006	Las Moss
2	11	1 /	17	1/	I 13	20	_	71	27	1942	Les mos
3	1(	1 1	١)	W	I-13		-	11	27	1500	Lee mos
4	1/	17	1,	11	2-19	20	_	11	27	1720	Lee Moss
						40					
								_			
ESULTS: LANDFARM					1	E	1	NOTES:		1	

6271	CHLORIDE TEST	.B	EMPLOYEE:	( Duy K	Olyson	·		
	PAINT FILTER TEST	1	Certific	cation of above	receival & placement			
nentioned	Generator/Point of O	rigin a	ınd that no addition	al material has	e above location has not leben added or mixed into	been added to or tampered wo the load. SIGNATURE	vith. I certify the material Lee Moss	is from the above
COMPANY	CONTACT & M	<u>S</u> _	Mikes	PHONE		DATE 6		
•	. ,		_		npany Records, Yellow - Billing, Pink	- Customer		san ruan reproduction 578-126



MANIFEST # 47246

DATE 6.24.14 JOB# 97057-06:44

LOAD	CON	IPLETE DESCRIPT	·				TRANSPO	PRTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	ENTERPRIS	LFII.5	Soil	I-B	20		Ritchey	71	954	Elin Thitch
2	Lut C./	11	( (	I.13	20	_	11	71	1213	Chan Atch
3	11 //	11	i/	I.13	20		1/	471	1448	Som Theles
4	, , , , ,	ιι	1 (	£.14	20	_	71	471	1712	Chan TRIFLY
					SID					
									·	
									_	
RESULT	· · · · · · · · · · · · · · · · · · ·	LANDFARM	A	11	, - E	56	NOTES:		!l	
4284	CHLORIDE TEST   EMPLOYEE: COM HUMSON				——————————————————————————————————————	· · · · · · · · · · · · · · · · · · ·				
	PAINT FILTER TEST / Certification of above receival & placement									
By signing mentioned	by signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above nentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.									

-, -, -, -, -, -, -, -, -, -, -, -, -, -	to the second record ride rich boom added to	or tamporous main rooming the material to me	21 ji 11 10 00 00 0 1 1
mentioned Generator/Point of Origin and that no additional manufacture of the control of the con	aterial has been added or mixed into the load.	(1)	
TRANSPORTER CO. RIFACY	NAME ELVIN TRITCHEY	SIGNATURE TOUS (The FA	U.
COMPANY CONTACT SUN 5	PHONE 793 4426	DATE 6 24 -14	
Cignotures required prior to distribution of the legal document			



MANIFEST # 47245

DATE 6.24-14 JOB# 97057-0644

LOAD		СОМ	PLETE DESCRIPT	• FARMINGTON TION OF SHIPME				TRANSPORTING COMPANY			
NO.	POINT	OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTER	prise	LFII.5	SOIL	H·13	12	_	EMS :	\$/0 209	948	RUK
2	V	L	61	[1	613	12	-	EMS ?	3/0	1210	PH SE
3	1/	1/	1)	11	E-14	12	-		3101	1443	\(\frac{1}{2}\)
4	1/	ν	11	11	E.14	12			3109	1640	RIFE
						48			3-7		
ESULT	3:		LANDFARM		1	***************************************	EL	NOTES:		·	
L294	CHLORIDE	TEST	EMPLOYEE:	Gay	Kolor	nso	7				
	PAINT FILTE	PAINT FILTER TEST   Certification of above receival & placement									

by signing as the unvertiansporter, i certily the material had	ed from the above location has not been added to	or tampered with. I certify the majerial	is from the above
mentioned Generator/Point of Origin and that no additional m	aterial has been added or mixed into the load.		
TRANSPORTER CO. EMS	NAME Robert Forter	SIGNATURE SIGNATURE	
COMPANY CONTACT EMS	PHONE	DATE 6-24-14	
Olempaticana approximation and allocation to the contract of t			



Signatures required prior to distribution of the legal document.

# Bill of Lading

MANIFEST # 47244

DATE 6 29-19 JOB # 97857-8644

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

LOAD	COM	PLETE DESCRIPT					TRANSPO	DRTING (	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	ENTERPRISE Late-7	LFII-5	CONIT	I.B	20	1	Yucer	AFY	948	House
2	1) 1/	17	17	I.13	20		YUCCA	AF6	948	Budden
3	V IJ	1)	U	工吗	20	)	YUCEA	AF4	1145	Month
4	1( )(	11	1 (	I 13	20		YUCCA	AF6	1210	Ruffen
5	W 17	١,	11	I13	20	-	/	AF6	1447	Rolls
6	U b	И	IJ	€.14	20	,	YUCCA	AF6	1710	Redfor
					120	)				
								·		
	•									
RESULTS		LANDFARM	10		Él	)	NOTES:	· · · · · · · · · · · · · · · · · · ·	······································	
< 284	CHLORIDE TEST	EMPLOYEE:	Goy fu	Ims.	<u></u>					
	PAINT FILTER TEST	l	cation of above re	•						
By signing mentioned	g as the driver/transporter, I d d Generator/Pojnt of Origin a	certify the material and that no addition	hauled from the a lal material has be	above location gen added o	on has not t r mjxed into	ofthe load	ded to or tampered d.	with. I ce	ertify the	material is from the above
TRANSPO	TRANSPORTER CO. YWW NAME HEN THE SIGNATURE SIGNATURE									
COMPANY	COMPANY CONTACT PHONE DATE									

White - Company Records, Yellow - Billing, Pink - Customer



MANIFEST # 47240

DATE (2: 24-14 JOB# 97657-0644)

PHONE: (5	)5) 632-0615	• 5796 U.S.	. HIGHWAY 64	· FARMINGTON.	<b>NEW MEXICO 87401</b>
-----------	--------------	-------------	--------------	---------------	-------------------------

R SIGNATURE		
R SIGNATURE  Mass		
Mos		
- 11		
Masa		
Moss		
mos		
NOTES:		

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Moss Exception NAME Leemoss SIGNATURE for MIXED DATE 624-14

Signatures required prior to distribution of the legal document.



Signatures required prior to distribution of the legal document.

#### Bill of Lading

MANIFEST # 47239

DATE 6 24-14 JOB # 97057-6644 MANIFEST # 47239

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

FHONE	:: (505) 632-0615 • 5796 U	.S. HIGHWAY 04	· FARIVIING TON,	MEAN INF	XICO 8740	<u> </u>				
LOAD	СОМІ	PLETE DESCRIPT	ION OF SHIPMEN	IT			TRANSPO	RTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	ENVIRotech	ENterfrise Lat C. 7	CIEAN Fillsoil		20	_	Ritchey	71.	730	Elan TRiber
2	l) b	1)	<u>† 1</u>	_	20	-	17	71	954	This Thitles
3	11	11	11		20	_	1/	71	1213	Blun Titoka
4	<i>H</i> 15	1 (	11		20		11	471	1448	Chark the ho
,					80					C / V / 1
RESULTS	S:	LANDFARM	A	0	1	66	NOTES:			
	CHLORIDE TEST	EMPLOYEE:	( odus	Kell	msc	97		<del></del>		
	PAINT FILTER TEST	Certific	cation of above rec	cement						
By signing mentioned	g as the driver/transporter, I de Generator/Point of Origin a	certify the material nd that no addition	hauled from the al	ove locati en added d	on has not or mixed into	been add	led to or tampered	with. I ce	ertify the	material is from the above
COMPANY CONTACT EMS MIKE PHONE 793 4416 DATE 6-29-19.										

White - Company Records, Yellow - Billing, Pink - Customer

envirotect	ገ
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MANIFEST # 4723	8	
DATE 6-24-14	JOB#	97057-6644

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

LOAD	COMI	PLETE DESCRIPT					TRANSP	ORTING (	COMPAN	۱Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech.	Enterpris Lut C.7	Fill		12			310	726	RITAL
2	11 V	1/	501		12		EMS.	310 309	948	Polt He
3	h b	t,	11		12		EMS	\$10 l	1210	Kell Be
4	N 1)	1,	17	_	12		Ems ?	309	1447	Roffe
Ì					48					
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Com	EL			NOTES:			
	PAINT FILTER TEST	R TEST Certification of above receival & placement								
By signing mentioned	g as the driver/transporter, I define a street of Generator/Point of Origin a	certify the material and that no addition	hauled from the a al material has be	bove location	on has not or mixed into	been add	led to or tampered	with. I ce	rtify the	material is from the above
TRANSPO	TRANSPORTER CO. EMS NAME ROBERT Folks							E_Ro	11	
COMPANY	CONTACT & MS		PHONE	50 <u>5-33</u>	3-2003	<b>.</b>	DATE 6	24-	7_	

Signatures required prior to distribution of the legal document.



COMPANY CONTACT\_CMS

Signatures required prior to distribution of the legal document.

#### Bill of Lading

MANIFEST# 47237

DATE 24 5UN 14 JOB # 97057-6644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DESTINATION **DRIVER SIGNATURE** POINT OF ORIGIN MATERIAL GRID **YDS BBLS COMPANY** TRK# TIME ISNTERPRESE CLEAN YUCCA 20 ENVIROTECH 725 LOT C-7 FRL 20 10 W 11 65 11 11 11 20 M 11 26 11 1/ 1/ 11 11 20 1 ) 1/ 1. 1. 11 11 20 20 RESULTS: NOTES: **LANDFARM CHLORIDE TEST** EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. Certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. Pucca \_\_\_\_\_ NAME Herry Av m/a SIGNATURE

PHONE



MANIFEST # 47230

MANIFEST # 47230

DATE 6-23-/4 JOB # 97857-0649

LOAD	COM	PLETE DESCRIPT					TRANSPO	RTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E-te-ch	ENKRIPTER CAT C-7	clean Fill		12	_	EMS	310 39	10:00	Rolling
2	<i>v</i>	71 11	11		12		EMS	310	1240	Part Tol-
3	11	11	(,	_	12		EM5 3	1	1505	Pet L
					36					
							-			
RESULT	S:  CHLORIDE TEST	LANDFARM EMPLOYEE:	6)	مار	) El	•	NOTES:			
	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	cement					
By signing mentioned	g as the driver/transporter, I	certify the material	hauled from the a	bove location	on has not l	been add	ded to or tampered v	vith. I ce	rtify the	material is from the above
TRANSPO	Generator/Point of Origin a PRTER CO. EMS CONTACT BICAT		NAME_/	Robert	toalor	,	SIGNATURE	Res		X
COMPANY	CONTACT BICAT	Reller	PHONE _	305-5	33.20	03	DATE 6	23.	14_	
Signature	s required prior to distribution	n of the legal docu	ment.							



MANIFEST # 47229

DATE 6-23-14 JOB # 97057-0644

	: (505) 632-0615 • 5796 U	PLETE DESCRIPT			1000740	<u> </u>	TRANSPORTING COMPANY			
LOAD NO.		1	1	<del></del>		r		<del>,</del>	r	
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	Exceptise Cpt C-7	LFII-5	So.L	6-13	12		EMS	309	10:00	Rithl
2	11	, (	11	H-13	12		EMS 3	309	124	Polt for
3	1/	f/	l/	H-13	12		EMS	109	1500	PHA
4	1/	11	y	H·13	12	(	EMS 3	309	1713	Rolf fel
					48			/		
			i							
	·									
RESULTS	S:	LANDFARM		12	EL	-	NOTES:	<u> </u>	·	
4284	CHLORIDE TEST	EMPLOYEE:	2 Am							
	PAINT FILTER TEST		cation of above red	'						
mentioned	as the driver/transporter, I deligion a	nd that no addition	al material has be	en added o	r mixed into	the load	d.	_	-	1
TRANSPO	RTER CO. Ems	<del></del>	NAME K	2bert	Forla	c	SIGNATURE	Kel	11/1	<u></u>
COMPANY	CONTACT Brent K	oller	PHONE	505-33	3-2003		DATE	-23-1	14	
Signature	s required prior to distribution	n of the legal docu	ment.							



Signatures required prior to distribution of the legal document.

#### Bill of Lading

MANIFEST #	472	28	
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DATE (6-23-14 JOB # 97057-0644)

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO **DRIVER SIGNATURE** POINT OF ORIGIN DESTINATION MATERIAL **GRID** YDS **BBLS COMPANY** TRK# TIME SNYCE PRISC Conf H-13 SoiL 1 } 1) H-13 U 11 11 MOSS 11 H-13 20 RESULTS: LANDFARM NOTES: 4 7 gry CHLORIDE TEST EMPLOYEE: Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. MOSS Excountin NAME LEE MOSS SIGNATURE LEE MOSS DATE 6-23-14

	@	n	٧		· ©	f	<b>e</b>	C	h
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MANIFEST#	47227
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DATE 6-23-14 JOB# 97857-064

	COM	PLETE DESCRIPT	ION OF SHIDME!	NIT		01	TRANSPO	DTIME	COMPA	WV
LOAD NO.	<del> </del>		<del>,</del>	<del></del>	<del> </del>	<del></del>	<del></del>	1	,	<del></del>
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	ENTERPRISE LAYC-7	CFII-S	Soil	G13	20		YUCLA	AFCO	9:55	Realfon
2	(1	1 '	11	H-13	20		YUCCA	APG	1240	Real Rige
3	1(	10	1(	H13	20	_	YUCCA	AFG	1505	Hadfy
4	1.	4	1/	H 13	20	.—	YUCCA .	4F6	1715	Rud Muy
					80					
			<del> </del>							
					<u></u>					
RESULTS	:	6	DEL DEL			NOTES:				
< 294	CHLORIDE TEST	EMPLOYEE:	& Five	La						
	PAINT FILTER TEST	Certific	cation of above re	ceival & pla	cement					

RESULTS:		LANDFARM	6	0	EL	NO	OTES:	
< 294	CHLORIDE TEST	g.	EMPLOYEE:	W.	me La		-	
	PAINT FILTER TEST	l	Certifi		ove receival & place	ement		
mentione TRANSPC	d Generator/Point of O	rigin a	nd that no addition	nal material h		mixed into the		to or tampered with. I certify the material is from the above  SIGNATURE  DATE  6-23-14
Signature	s required prior to dist	ributio	n of the legal docu	ment.				/
				White -	Company Records, Yellow	- Billing, Pink - C	ustomer	



MANIFEST # 47226

DATE 6-23-14 JOB # 97857-6644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN DESTINATION **GRID** YDS DRIVER SIGNATURE **MATERIAL BBLS COMPANY** TIME TRK# ENTERPLISE Conf LFE-5 Pitchey's G13 20 L71 18:00 LA+ C-7 11 11 11 H-13 20 u 11 11 20 11 1/ U H 13 1/ 17 EL RESULTS: NOTES: LANDFARM < 294 CHLORIDE TEST EMPLOYEE:

PAINT FILTER TEST	Certification of above receival & place	ement	
	certify the material hauled from the above location		vith. I certify the material is from the above
mentioned Generator/Point of Origin	and that no additional material has been added or		61 211
TRANSPORTER CO.	NAME LUIT	JTC Leley SIGNATURE	ilmit X they
COMPANY CONTACT	9PHONE	4426 DATE	1314
Signatures required prior to distribution	on of the legal document.	Je	
	White - Company Records. Yellow	- Billing, Pink - Customer /	san juan reproduction 578-126



MANIFEST # 47224

DATE 23 JUN 14 JOB # 97057-0644

PHONE	E: (505) 632-0615 • 5796 U	.S. HIGHWAY 64	<ul> <li>FARMINGTON,</li> </ul>	, NEW ME	XICO 8740	01	,			
LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPMEN	NT .			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIROTECH	CATTERARIZET	CLEAN		೩೦	_	moss	27	755	Leamos
2	e e	ce ce	. 6	•===	20		MOSS	27	10:00	Lee Mos
3	1/	1/ /1	4		20		moss	27	1245	Lea Mess
					60					
[ 										
<del></del>								-		
								ļ		
								ļ		
								-		
						<i>B</i> -0				
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Alfa.	· ()	er 1	CIL	NOTES:			
	PAINT FILTER TEST	Certifi	cation of above red	ceival & pla	cement					
mentione	g as the driver/transporter, I ded Generator/Point of Origin a	nd that no addition	nal material has be	en added d	r mixed into	o the load	d.		•	
TRANSPO	RTER CO. MOSS E	xconthov	NAME(	REN	10 55		SIGNATURE	Lee	M	032
COMPANY	CONTACT & MS		PHONE			·	DATE	-23	-14_	

Signatures required prior to distribution of the legal document.

MANIFEST # 47223

DATE 23 JUN 14 JOB # 97857-8644

LOAD	СОМ	COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	ENVIROTECH	SUTERIALISS	CLEAN		90	_	RETCHEY	121	725	Show I A Hel
2 3		u U.			20	_	ce u	671	10:00	Short Rober
3	N er	1/ 1/	1/ 1)		20	_	11 1/	271	1244	Plan TX JE
					LD					
					_					
										·
CHLORIDE TEST / EMPLOYEE: AMAL				EL		NOTES:				
	PAINT FILTER TEST	ļ	cation of above red		acement					

RESULTS:		LANDFARM	21.11				NOTES:				
	CHLORIDE TEST	EMPLOYEE:	Alle							·····-	
	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	acement						
mentioned	y signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above lentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.  RANSPORTER CO. XI Felley THAN NAME Fluid Halley SIGNATURE SIGNATURE										
TRANSPO	RTER CO. XITEM	y IMN _	NAME	FIVIN	1/H1	elle	SIGNATURE	-	Len	TKIT	they-
COMPANY	CONTACT EMIS		PHONE	7934	424		DATE	<u> </u>	5/-	4	
	es required prior to distribution		ment. White - Compar	ny Records, Yel	low - Billing, Pìnl		<i>y</i>	- 7_	· · /		en juan reproduction 578-126

envirotech
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MANIFEST # <u>47222</u>

DATE <u>23 ゴル 14</u> JOB # <u>97057-0644</u>

LOAD	CON	PLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
(	ENVIROTECH	CUTERPRISE LOT C-7	CLJAN FILL	-	ಎ೦		YUCCA	AF6	195	Rasky
2	et 17	11 61	ι (		20	_	u a	AFCO	9:55	Thouston
3	11 43	11 11	٠)		20		VI U	AF6		Rad Bru
4	il in	n ly	1/		20	1	11 11	AH	1505	Reall
					80					
							•			
RESULTS	S:	LANDFARM	NIV	7	EL		NOTES:	<u> </u>		
	CHLORIDE TEST	EMPLOYEE:	ALL					<del></del>	<del> </del>	
	PAINT FILTER TEST	Certifi	cation of above red	ceival & pla	cement					
By signing	as the driver/transporter, I d Generator/Point of Origin	certify the material and that no addition	hauled from the a nal material has be	bove locati en added d	on has not l	been add	ded to or tampered	with. I ce	rtify the	material is from the above
								1	end	flan
COMPANY	CONTACT		PHONE	· · · · · · · · · · · · · · · · · · ·			DATE 6	23-	14	
Signature	s required prior to distribution	on of the legal docu	ment.						,	

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MANIFEST # 47202

DATE 6 20-14 JOB # 97257-0644

PHONE	E: (505) 632-0615 • 5	796 U.	S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	01			<del>-</del>	T AGG (-US)
LOAD		PLETE DESCRIPT		TRANSPORTING COMPANY							
NO.	POINT OF ORIG	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE Lot C. 7	,	LFII.5	CON/+ SOIL	FI3	20		m055	27	1003	Les Moss
2	11 11		t ]	11	G13	20	-	M055	27	1236	Les Moss
3	11 1	J	1)	V	G-13	20	-	moss	27	1500	
						60					
<del></del>											
···											
RESULTS: LANDFARM			A	0.1		EL	NOTES:				
291	CHLORIDE TEST	8.	EMPLOYEE: Cay Rolinson								
~	L				PAINT FILTER TEST \ Certification of above receival & placement as the driver/transporter, I certify the material hauled from the above location has not been ad						

4291	CHLORIDE TEST	8.	EMPLOYEE:	ray K	sunson				
	PAINT FILTER TEST	1	Certification	n of above receiva	ıl & placement				
mentioned TRANSPO	Generator/Point of O RTER CO. MOSS	rigin a	certify the material haute and that no additional ma xcelshor	aterial has been a	idded or mixed into th	ne load	SNATURE Loc	-	s from the above
			n of the legal document.		ords, Yellow - Billing, Pink - Co		TE () 20	<u> </u>	#30 lists abstractioners ESA +5



MANIFEST # 47201

DATE 6 · 20 - 14 JOB # 97057-0695

LOAD	: (505) 632-0615 • 5	<del></del>	ON OF SHIPME	TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1_	ENTERPRI Lat C.7	50	LFIT-5	SOIL	F13	20		Yucou	AF6	942	Lest is
2	·	r (	10	17	F13	20		YUCCA	AF4	942	Mary /
3	e/	1 (	1 (	11	G13	20		YUCCA	AF6	1220	And A
4	16	1(	17	1 /	G13	20		YUCER	AF4	122	Howell
5	11	11	11	1 1	G13	20		YUCCA	AF6	1445	- All
6	11	11	11	11	G13	20	-	YUCCA	AFY	1445	- Morry
						120					
<del></del>			<u> </u>								
			· · · · · · · · · · · · · · · · · · ·								
							7.				
			LANDFARM EMPLOYEE:	Coug Robinson Et				NOTES:		·	
4291	PAINT FILTER TEST 2 Certification of above receival & placement										
3y signing					·		been add	ded to or tampered	with. I ce	ertify the	material is from the above

A 68 44	<u> </u>			7.47.00				
	PAINT FILTER TEST	2	Certification of ab	ove receival &	placement			1
			certify the material hauled from and that no additional material			ad _	•	
TRANSPO	ORTER CO. YULC	<u>a</u>	NA	ME_ Hen;	c-J	SIGNATURE Hear	y By Coy	Rulense
COMPANY	CONTACTE MS	N	ike SPH	ONE		DATE 6-20	14.	
			n of the legal document.	- Company Records	. Yellow - Billing, Pink - Customer			san alan (annotyrtion 578.12

	envi	ro	le	C	h
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MANIFEST # 47200	
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DATE 6-20-14 JOB# 97857-0634

PHONE	E: (505) 632-0615 • 5796 U	I.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	I, NEW ME	XICO 8740	01				· · · · · · · · · · · · · · · · · · ·
LOAD	СОМ	PLETE DESCRIPT	TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Engerprise	LFII-5	501L	FIS	20	-	Ritchon	471	1023	Elin TR. Ide
2	1 /	1)	1)	G13	20		17	71	124	Can T Dolle
3	1/	1 )	7,	G-13	20	_	11	71	1500	Mont & HA
					60					
<del></del>										
								ļ		
· · · · · · · · · · · · · · · · · · ·										
RESULTS	<del></del>	LANDFARM EMPLOYEE:	Parent	201	100/0	EL	NOTES:			
227	PAINT FILTER TEST		cation of above re	ceival & pla	cement				1	
nontiono	g as the driver/transporter, I	certify the material	hauled from the a	above location	on has not	a tha laac	4	~		
COMPANY	CONTACT EMS Y	nike 5	PHONE	7/21/1	<u>~/-/&lt;</u> /7	tche	DATE A	120 ·	14	- Attaly
Signature	s required prior to distributio	n of the legal docu	ment.						(	The second secon

envirotec!	ከ
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MANIFEST # 47199

DATE 6.20.14 JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **YDS** DRIVER SIGNATURE POINT OF ORIGIN DESTINATION **GRID BBLS COMPANY** TIME **MATERIAL** TRK# ENter Prise Clean ENVIrotech 20 Ritchey Fill Lat C-7 SOIL 1.5 11 1 1 VI 11 11 11 50 **RESULTS:** NOTES: LANDFARM CHLORIDE TEST EMPLOYEE: Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. RITCHEY NAME E/VIVIRITE SIGNATURE SIGNATURE COMPANY CONTACT \_\_\_\_\_ PHONE \_\_\_\_\_ Signatures required prior to distribution of the legal document.

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MANIFEST#	4719	7				
DATE 6 - 2	0-14	JOB#	9	705	7-06	244

PHONE	E: (505) 632-0615 • 5796	U.S. HIGHWAY 64	• FARMINGTON	, NEW ME	XICO 8740	01				
LOAD	CC	MPLETE DESCRIP	TION OF SHIPME		TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
l	ENVIROTECH	LOT C-7	CLEAN	<u>خـــ</u>	22		moss	27	730	Lee Mas
2	16 67	11	ι'	_	20	-	moss	27	1003	Lee Mass
3	9 (	1 1 (	1,		20	•	moss	27	123	Lee Mass Lee Mass Glee Mass
					100	•				
					60					,
										,
							<del> </del>			
RESULT	L S:	LANDFARM		EL			NOTES:			
	CHLORIDE TEST	EMPLOYEE:	Allel	Sell Courtalme						
	PAINT FILTER TEST Certification of above receival & placement									
3y signin	g as the driver/transporter	. I certify the materia	hauled from the a	bove locati	on has not	been add	led to or tampered	with. I ce	ertify the	material is from the above

mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. MOSS EXCENTON NAME LEE MOSS SIGNATURE LEE MOSS

COMPANY CONTACT EMS

PHONE DATE 6-20-14

Signatures required prior to distribution of the legal document.



MANIFEST # \_ 47196

DATE 20 JUN 14 JOB # 97957-8644

LOAD	COMI	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPO	TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
l	ENVIROTECH	LOT C-7	ewan fou		20		YUCCA	AFY	723	Marial	
2	11	le	` ( (		20		TUCCA	AF6	720	Redfin	
3	10	11	11	~	20		) (	AF6			
4	11	10	1/	_	20	-	11	AF4	945	Horn	
5	11	11	1(	-	20	1	1(	AFG	1220	- Kurth	
6	11	( (	1(	<u> </u>	20		11	MF4	122	Month	
					120			/		1/2.///	
					1 60						
			·		_						
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	Call.		N E	KIL	NOTES:	• · · · · · · · · · · · · · · · · · · ·	<i>-</i>		
	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement	000					
By signing mentioned	g as the driver/transporter, I define definition of Generator/Point of Origin a	certify the material and that no addition	hauled from the a al material has be	bove location	on has not or mixed into	been add	ded to or tampered	with. I ce	rtify the	material is from the above	
TRANSPO	RTER CO. YUCCA		NAME/	Read	Roger	<u>-</u>	SIGNATURE		Lea	After -	
COMPANY	CONTACT EM	<u> </u>	PHONE		<i>J</i> .		DATE 6	-10	-14		
	s required prior to distributio										

MANIFEST # 47183

DATE 6-19-14 JOB# 97057-0645

PHONE	E: (505) 632-0615 • 57	96 U.	S. HIGHWAY 64		<del></del>	-/	" 1100:027					
LOAD		COMPLETE DESCRIPTION OF SHIPMENT								TRANSPORTING COMPANY		
NO.	POINT OF ORIGIN	- 1	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Entenpri Cot C-7	26	LFII.5	CONT	E.13	20	-	moss	27	1017	Lee Mass	
2	1	,	1 )	1)	£.13	20	_	M055	27	1310	Les Moss	
3	1	1	11	11	F13	20		13055	27	155	Low Mass	
4	1,	l	۱ ۱	1 (	FI3	20	_	Moss	27		0 -	
						80						
											<del></del>	
<del></del>												
<del></del>				<del></del>								
RESULT	<u> </u> S:		LANDEADA	A			EL	NOTES:				
£ 291	CHLORIDE TEST	1	LANDFARM EMPLOYEE:	Gay	Roli	inse	90					
	PAINT FILTER TEST / Certification of above receival & placement											
	v signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above											

6291	CHLORIDE TEST		EMPLOYEE:	July	KA	HMU	611		
	PAINT FILTER TEST	1	Certific	ation of above re	ceival &	placement			
nentione	g as the driver/transport d Generator/Point of O RTER CO. PASS	rigin a	and that no additiona	al material has b	een adde	d or mixed in	to the loa	ded to or tampered with. I certify the material ad.  SIGNATURE La Mosa	
COMPANY	CONTACT Es	m	5	PHONE _				SIGNATURE Las Moss	
J			J		ny Records.	Yellow - Billing, Pir	ık - Customer	г	

MANIFEST # 47182

DATE 6-19-14 JOB # 97057-0644

LOAD		COM	PLETE DESCRIPT	TION OF SHIPME	NT		TRANSPORTING COMPANY				
NO.	POINT OF ORIG		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise Late-7	<i>3</i>	LFII.5	CONT	٤.13	20		Ritchey	L71	1015	Som Kitch
2	" "			) \	E:13	20	)	11	271	1300	In The Holy
3	١ ١	1	``)	١,	F13	20		11	171	153	That Kills
4	iz	1	11	11	F-13	20	_	11	L71	180D	Gent To Sal
4						80					
										·	
RESULTS	LANDFARIVI /					6	NOTES:				
<291	CHLORIDE TEST						<i>Y/</i>		<del></del> -	<del></del>	
	PAINT FILTER TEST	1	Certifi	cation of above re	ceival & pla	cement					

By signing as the driver/transporter, I certify the material hauled from the above location has	
mentioned Generator/Point of Origin and that no additional material has been added or mixe	d into,the load.
TRANSPORTER CO. LI teh & Than NAME & LEWY	LI takes SIGNATURE Town ( Kitcher
COMPANY CONTACT PHONE 773 447	
Signatures required prior to distribution of the legal document.	



MANIFEST #	4718	11		
,	10.14	100 #	97057	al UL

LOAD	COM	IPLETE DESCRIPT					TRANSPO	PRTING (	COMPAN	1Y	
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
/	ENTERPRISE	LFII5	CONT	£.13	20		Yucca	AFG	956	Raffer	
2	CORC C. / "	1)	11	E-13	20		Yocea	AF4	956	Morris	
3	(1	1 1	11	E.13	20	_	YUCCA	AF6	1235	Bulling	
4	70000 11111										
5	11 10	11	(1	E.13	20		Vucca	AFC	152	) feather	
6											
					120			•		W ()	
					( G. g. z					9	
RESULTS		LANDFARM	1	01	- &	<i>L</i>	NOTES:				
4291	CHLORIDE TEST		(say K	olen	000	7					
PAINT FILTER TEST 2. Certification of above receival & placement											
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.											
TRANSPORTER CO. YUCCA NAME Read Rogers SIGNATURE TRUSTED											
COMPANY CONTACT E.M.S. PHONE DATE 6-19.14											
	s required prior to distribut		ment.						/		



MANIFEST # 47177

DATE 1957-0644 JOB# 97057-0644

LOAD		COMF	PLETE DESCRIF	TION OF SHIPME	NT			TRANSPO	PRTING	COMPAI	NY
NO.	POINT OF ORI	GIN	DESTINATION	1	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	SHVERON	СН	EN TERPLES	EIL CLUAN		20		MOSS EXCAVATEON	27	735	Les Moss
2	1/	i,	tj #	1/		20		1/	27	1017	Las Mos
3	2)	1]	4 11	,		20	_	1/	27	1310	Les Moss
4	Ţ1	11	11	//	_	20	_	1)	27	155	Lee Mos Lee Mos Lee Moss Fac mass
						40					
						i L					
RESULT	S:		LANDFARM	7/2	-0	EL	<b>I</b>	NOTES:	L	<u> </u>	
	CHLORIDE TEST		EMPLOYEE:	- prof							
	PAINT FILTER TES	ST /	Certi	fication of above re	ceival & pla	acement			_		
	g as the driver/transp d Generator/Point of	Origin a	nd that no addition	nal material has be	en added	or mixed into			with. I ce	ertify the	material is from the a

CHLORIDE TEST EMPLOYEE:  PAINT FILTER TEST Certification of above receival & placement  By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the nentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.  TRANSPORTER CO. MOSS EXCOUNTION NAME LEE MOSS SIGNATURE LEE MOSS  COMPANY CONTACT EMS PHONE  DATE 6-19-14  Signatures required prior to distribution of the legal document.  White - Company Records, Yellow - Billing, Pink - Customer	RESULIS	); 		LANDFARM	711	EL	NOTES:	
Sy signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the nentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.  TRANSPORTER CO. MOSS EXCOUSTION NAME LEE MOSS SIGNATURE LOCATION DATE 6-19-14  COMPANY CONTACT EMS PHONE DATE 6-19-14  Signatures required prior to distribution of the legal document.		CHLORIDE TEST		EMPLOYEE:	Chill-			
nentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.  TRANSPORTER CO. MOSS EXCOUSTION NAME LEE MOSS SIGNATURE LOADS  COMPANY CONTACT EMS PHONE DATE 6-19-14  Signatures required prior to distribution of the legal document.		PAINT FILTER TEST		Certifi	cation of above receival & pla	cement		
COMPANY CONTACT EMS PHONE DATE 6-19-14  Signatures required prior to distribution of the legal document.	nentioned	Generator/Point of C	rigin a	nd that no addition	al material has been added o	r mixed into the load	1.	)ve
	COMPANY	CONTACT.	M	<i>\$</i>	PHONE		•	
	эіунашы	s required prior to dist	iibaaa	i oi tile legal doca		ow - Billing, Pink - Customer		



Signatures required prior to distribution of the legal document.

### Bill of Lading

MANIFEST # \_47176

DATE 19 JUN 14 JOB# 97057-0694

PHONE	: (505) 632-06	<u>15 • 5796 U</u>	.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	)1				
LOAD		СОМ	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPO	ORTING	COMPA	VY
NO.	POINT OF	ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
١	でせてれてのひ	<b>५</b> ०१	ENTERPRISE LATURAL (7	CUIAN FILL	-	90		RETCHEY	271	725	Phone The fely
2	p )	11	1 1	1,	_	20		()	171	1015	Jan Hilly
3	ls.	(1	(	ι,		20	_	1)	L71	1300	Flore T KHON
4	17	11	[ [	11		20		11	471	1539	Har I KHOL
						50				2	
							-				
RESULTS			LANDFARM	( ) ( ref.	0	EL		NOTES:	-L	<u></u> 1	
	CHLORIDE TE	ST	EMPLOYEE:	John							
PAINT FILTER TEST Certification of above receival & placement											
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.  TRANSPORTER CO. **I LOBEY TRANSPORTER CO. **I LOBEY TRANSPORTER CO. **SIGNATURE CO. **SIGNATURE CO.											
HANSPO	HIER COX_I	100129	INANO	NAME	LVIIV		مع زارب	SIGNATURE	مراسب.	1016	11/21/100



MANIFEST # 47175

DATE 19 JULI 14 JOB# 97857-8649

FHONE	: (505) 632-0615 • 5796 U	.S. FIIGHWAT 04	* FARIVING TON	, INCAN INC	XICO 6740	/ I	<del></del>			
LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	NT			TRANSPO	DRTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	RRIVER SIGNATURE
١	ENVIROTECH	CATURAL CT	CLUSAN	_	30		quen	444	725	( Gard
2	1,	u	11		20		V	AFLO	725	Neadla
3	( (	11	11	-	20	-	11	1 .	955	Bull
4	11	11	11	_	20	1	1.1		953	Month
5	11	1 1	11		20	_	11	AFG	1235	A. J.
9	1 (	1 /	1,		20	1	17	AFY	1240	Mass
					100					10 (1
			i		120					
								<del> </del>		
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	Jeff 1		EL		NOTES:			
	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement					
mentioned	as the driver/transporter, I denerator/Point of Origin a	and that no addition	al material has be	en added o	or mixed into	o the load	d.	4/	ertify the	material is from the above
TRANSPO	RTER CO. YUCCA		NAME He	nry Ar	nuta		SIGNATURE	141	M	
COMPANY	CONTACT		PHONE _				DATE		, <u>v</u>	
Signature	s required prior to distributio	n of the legal docu	ment.							



MANIFEST # 47159

MANIFEST # 47159

DATE 6 · 18 · 19 JOB # 97057-0644

PHONE: (505) 632-0615	5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401
1110142. (000) 002 0010	0,00 0.0. 1110.110.11 0.1 1711.1111.110.011, 112.110.00 0.110.1

LOAD	COM	PLETE DESCRIPT				<del></del>	TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterthise Lot C 7	LFII	SOIL	A3	20	_	moss	27	1029	Le Mosa
3	)( (1	)(	11	A4	20	-	moss	27	1310	Lee Mosa
4	1) 1/	11	11	A4	20	_	m055	27	153	Lee Mosa Lee Mosa
60										
					·					
RESULTS		LANDFARM EMPLOYEE:	Porce	Pol	 INDA	EL n	NOTES:			
RESULTS:  LANDFARM  291 CHLORIDE TEST  EMPLOYEE: Cary Columbon  PAINT FILTER TEST  Certification of above receival & placement										
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										
TRANSPORTER CO. MOSS SIGNATURE Lee MOSS SIGNATURE Lee Moss										
COMPANY	TRANSPORTER CO. MOSS NAME Lee moss SIGNATURE Lee Moss  COMPANY CONTACT EMS PHONE 793-4426 DATE 6.18-14  Signatures required prior to distribution of the legal document.									



MANIFEST # 47158

DATE 6-18-14 JOB# 97857-8644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DESTINATION GRID DRIVER SIGNATURE POINT OF ORIGIN MATERIAL YDS **BBLS COMPANY** TIME TRK# CON'T SOIL 20 11 11 ) ) 20 11 1) RESULTS: NOTES: **LANDFARM** CHLORIDE TEST EMPLOYEE: Certification of above receival & placement PAINT FILTER TEST

	as the driver/transporter, I certify the material hauled			is from the above
mentioned (	Generator/Point of Origin and that no additional mate	erial has been added or mixed into the load.	$\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$	) /
FRANSPORT	TER CO. Ritary truck my	NAME ELVIN Ritchey	SIGNATURE JANE TRIJAL	$\sim$
		PHONE 793-4426	DATE 6-18-14	
	required prior to distribution of the legal document.	, , , , , , , , , , , , , , , , , , , ,		



MANIFEST # 47157

DATE 6.18-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DRIVER SIGNATURE** POINT OF ORIGIN DESTINATION **MATERIAL GRID YDS BBLS COMPANY** TRK# TIME ENterprise CONT SOIL 20 VUCCA 11 2 11 " 11 11 11 1/ 11 11 11 11 1/ 11 11 11 11 11 11 11 100 RESULTS: NOTES: **LANDFARM** (29) CHLORIDE TEST EMPLOYEE: Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. YUCCA NAME Read Rogers SIGNATURE That for SIGNATURE DATE 6 18.14 Signatures required prior to distribution of the legal document.



MANIFEST # 47155

DATE 6-18-14 JOB # 97057-0644

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

PHONE	: (505) 632-0615 • 5796 U	.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	)1				
LOAD	СОМІ	PLETE DESCRIPT	ION OF SHIPMEI	NT			TRANSP	ORTING (	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	PRIVER SIGNATURE
	Envirotech.	ENTERPRISE Cot C-7	Clean Fill		20		YUCCA	AF4	725	Horny
2	o i	17	17		20		Yucca	AFL	725	fear farm
3	(1	11	l 1		,,		11	AF6	1013	Leadhin
4	11	11	1/		11		11	AFY	1018	Mount
X								AF	1250	
5	11	11	1(		1.8		1/	AF6	<b>3</b> 25	Penelfle
·				-	100					, v
								-		
				!				-		
RESULTS	<u> </u> S:	LANDSASM	A		, ^	EL	NOTES:			
	CHLORIDE TEST / EMPLOYEE: Caus Robinson									
	PAINT FILTER TEST	Certific	cation of above re	ceival & pla	cement					
y signing	as the driver/transporter, I							with. I ce	ertify the	material is from the above

, - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -		
mentioned Generator/Point of Origin and that no additional mate	rial has been added or mixed into the load.	/) //
TRANSPORTER CO. YUCCU	NAME Read Rogers	SIGNATURE Deed from
COMPANY CONTACT	PHONE	DATE 6-18-14
Signatures required prior to distribution of the legal document		

Signatures required prior to distribution of the legal document.



Signatures required prior to distribution of the legal document.

# Bill of Lading

MANIFEST # 47154

DATE 6-18-14 JOB # 97057-06-44

LOAD	E: (505) 632-0615 • 5796 L COM	PLETE DESCRIPT					TRANSPO	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ELIVIROZEA	EXTERPRESS LATERAL ET	CLOAN FOL		20	_	MOSS UTKCAVATEDN	27	735	Le mos
2	l (	11 11	( i	_	20		( )	27	1028	La mos
3	11	U 11	11		20	_	71	27	1310	
					60					
<del> </del>									,	· · · · · · · · · · · · · · · · · · ·
ESULT	S:	LANDFARM			E	obin	NOTES:			
	CHLORIDE TEST	EMPLOYEE:	CARIO	(Y	am 1	NOON	Non			
	PAINT FILTER TEST	Certific	ation of above red							
entioned	as the driver/transporter, I d Generator/Point of Origin a	and that no addition	al material has be	en added d	or mixed into	o the load	d.	^	•	
RANSPO	RTER CO. MOSS E	Xeovotion	1 NAME	ReM	1055		SIGNATURE	Lac	ma	
OMPANY	RTER CO. MOSS E CONTACT EMS		PHONE	793-	4426	·	DATE 6	-18-	14	



MANIFEST # 47153

DATE 18 JUN 14

JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN **DESTINATION MATERIAL** GRID **YDS BBLS COMPANY** DRIVER SIGNATURE TRK# TIME EN TER PRISE CLISAN RETCHEY 22 ENVIROTECH A71 725 FILL LATEURAL ET RITCHEY 20 11 11 (1 20 RITCHEY 11  $\mathcal{H}$ W 4 **RESULTS:** NOTES: **LANDFARM** CHLORIDE TEST EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. Leertify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. NAME FIVINTKICKY SIGNATURE TRANSPORTER CO. KITCHIS PHONE COMPANY CONTACT Signatures required prior to distribution of the legal document.



Signatures required prior to distribution of the legal document.

### Bill of Lading

MANIFEST # 47141

DATE 6-17-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN DESTINATION **MATERIAL GRID YDS** DRIVER SIGNATURE **BBLS COMPANY** TRK# ENHAPR'SE elead M155 4 20 M855 40 **RESULTS:** NOTES: **LANDFARM CHLORIDE TEST** EMPLOYEE: Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. MOSS EXCOUNTED NAME LEE MOSS SIGNATURE LEE MOSS SIGNATURE LEE MOSS DATE 6-17-14



MANIFEST # 471	40	
DATE 6-17-14	_ JOB # _	97057-0644

LOAD	COM			TRANSPO	ORTING	COMPAN	NY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
7	Entelficisc Lat C-7	LFIL	Soil	E-l	20		MOSS	27	11:45	Lee Mass
2	a &		e i	B-3	20	~	MOSS	27	14:10	Lee Mess
3	e v	u u	4 4	B-3	20	Ĵ	ce 4	27	Ke:40	Lee Moss Lee Moss Lee Moss
					60		<del>-</del>			
		<u> </u>						-		
								<u> </u>		
<u>_</u>								<del> </del>		
								<del> </del>		
ESULT:	S:	LANDFARM			) p	EL	NOTES:			
291	CHLORIDE TEST	EMPLOYEE:	Here	Jo						
	PAINT FILTER TEST	Certifi	cation of above re		cement					

4291	CHLORIDE TEST	1	EMPLOYEE:	Him	da				
	PAINT FILTER TEST	1	Certifica	ation of above rec	eival & placement				
mentione	g as the driver/transpod Generator/Point of Operator CO	rigin a	and that no additiona	ıl material has bee	en added or mixed	I into the load.	to or tampered with. I do		
	CONTACT		n of the legal decum	PHONE	-		DATE _6-/7-	-14	
Signature	es required prior to dist	ributio	n or the legal docum		y Records, Yellow - Billing	, Pink - Customer			san wan reproduction 578-1:



MANIFEST # 47136 MANIFEST # 47136

DATE 6-17-14 JOB # 97057-0644

	COM	PLETE DESCRIPT			<u> </u>		TRANSPO	RTING	COMPA	NY
LOAD NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTERPRISE LAT C-7	EFIL	CONF	E-2	20		YUCCA		11:30	Rud Mu
2	o u	or or	a	E-2	20	~	4 4	AF4		any.
3	e u	4 &	d d	£-2	20	_	u v	AFCO	14:55	- XXX
	e ce	e e	e u	E-2	20	_	ce 4	AF4	14:55	Aural
5	t u	e u	4	E-2	20		ce v	AF (O	17:20	ALA
6	ll Ce	G CO	a ce	E-2	20	-	U O	AF4	17:25	Made
					120					1/2 (//
										V
								·		
RESULTS	S: CHLORIDE TEST 2	LANDFARM EMPLOYEE:	26		EL		NOTES:			
<del></del>	PAINT FILTER TEST 2	Certifi	cation of above red	ceival & pla	cement					
By signing mentioned	g as the driver/transporter, I	certify the material and that no addition	hauled from the a	bove location	on has not l	been add	ded to or tampered v	vith. I ce	ertity the	material is from the above
	RTER CO.			^	$\sim$			1	land	flu
	CONTACT									
Signature	s required prior to distribution	n of the legal docu	ment.							



MANIFEST # 47135

DATE 6-17-14 JOB# 97857-8644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DESTINATION** MATERIAL **GRID YDS COMPANY** DRIVER SIGNATURE POINT OF ORIGIN **BBLS** TRK# TIME ENTERPRISE Conf 20 Soil we

RESULTS:	LANDFARM		EL	NOTES:	l	
< 29   CHLORIDE TEST	EMPLOYEE:	Bre La				
PAINT FILTER TEST /	Certification	n of above receival & place	cement			
By signing as the driver/transporter, I mentioned Generator/Point of Origin a	certify the material haule and that no additional material	ed from the above location aterial has been added o	on has not been ac	Ided to or tampered	with. I certify the	material is from the above
TRANSPORTER CO.	han Tita	NAME E/U/	ITXIta	J. L. SIGNATURE	(V/)	
COMPANY CONTACT _ [ ]	2	PHONE	1424	DATE :		7/6
Signatures required prior to distribution	n of the legal document	White - Company Records, Yello	w - Billing, Pink - Custome	ır //e-z		san juan reproduction 578-126



MANIFEST # 47134

DATE 6-17-14 JOB # 77857-8644

		2014	N EXE DECODIO	TON OF OURDINE	·			TOANIODO	DTINIO	0014041	107
LOAD	(	JUM!	LETE DESCRIPT	TON OF SHIPMEN	N I			TRANSPO	HING	COMPAN	V Y
NO.	POINT OF ORIGIN	1	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
l	ENVirotech	<b>\</b>	Lax C-7	C/con	_	20		YUCCA	AF.Y	\$25	( July )
2	\)			SOIL		20	_	1)	AF6	825	Parth
3	Ø	4 .	d of	4		20		u e	AFG	11:30	Halle
	4	Cl-	u a	4 U		20			AF 4	11:40	· Marked .
Š	4	4	y le	u y		20		G U	AF(O	14:55	Kudhu
-	- Vois	)	this	CiNO					154	19.55	
Ce	ş	u	i le	a ce		20		u U	AFY	14:55	Mush
					•	120			•		W ()
				· · · · · · · · · · · · · · · · · · ·							
	-										
RESULTS	<b>S</b> :		LANDTADIA					NOTES:			
	CHLORIDE TEST	/	LANDFARM EMPLOYEE:	Gau	Pa	ben.	Lor		· · · · · ·		
	PAINT FILTER TEST Certification of above receival & placement										
By signing mentioned	as the driver/transport Generator/Point of Ori	er, I o gin a	ertify the material nd that no addition	hauled from the a	bove location	on has not l or mixed into	been add	ded to or tampered v	vith. I ce	ertify the	material is from the above
TRANSPO	RTER CO. YUCC	14		NAME H	mry A	trmita		SIGNATURE	1	Maj	
COMPANY	CONTACT_HOL	m,	*-*-	PHONE	U			DATE <u>6</u> ~	174		7.
Signature	s required prior to distrib	batioi	n of the legal docu	ment.					-	Ĺ	



MANIFEST # 47133

DATE 6-17-14 JOB# 97057-0644

PHONE: (	505) 632-0615	• 5796 U.S	. HIGHWAY 64	4 • FARMINGTON,	NEW MEXICO 87401

LOAD	СОМІ	ION OF SHIPMEN	TRANSPO	RTING	COMPAN	<b>!</b> Y				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech	Enterpris Late 7	F/11 _		20	_	Ritchy		8/25	San Thi kekin
2 "	e a	¢ ø	Soil		20		a la	671	11:20	Jan TRHERY
3	a u	u u	o u	_	20	_	U U	271	13:40	Jon TKthey
					600					
										····
		•								
	- Alling Arthur									
										····
RESULTS	3.			1						
ILGOER.	CHLORIDE TEST	LANDFARM EMPLOYEE:	Conus	UL.	inde	EL	NOTES:			404
	PAINT FILTER TEST	cation of above red								

RESULTS	S:		LANDFARM	0	11	_	EL	NOTES:
	CHLORIDE TEST		EMPLOYEE:	Caus	KALA	ned		
	PAINT FILTER TEST		Certifi	ication of above	y			
nentioned RANSPO	as the driver/transport Generator/Point of O RTER CO.  CONTACT CONTACT Service of the contact of	rigin a	nd that no addition	nal material has t NAME PHONE		r mixed in		
				White - Comp	pany Records, Yello	w - Billing, Pi	nk - Customer	r san juan reproduction 578-126

DATE 6-16-14 JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DRIVER SIGNATURE POINT OF ORIGIN DESTINATION **GRID YDS BBLS COMPANY** MATERIAL TRK# Cont. LFII 5016 RESULTS: NOTES: **LANDFARM** CHLORIDE TEST **EMPLOYEE:** Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin/and that no additional material has been added or mixed into the load. TRANSPORTER CO. Kitching Tring SIGNATURE COMPANY CONTACT Miche DATE Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

# Appendix D Laboratory Analytical Reports



### **Analytical Report**

#### **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17098
Samples Received: 6/17/2014 4:55:00PM

Job Number: 03117-0014 Work Order: P406068

Project Name/Location: Lateral C-7

Entire Report Reviewed By:		, m	Date:	6/19/14	
-	Tim Cain, Lat	poratory 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.





Souder Miller & Associates 2101 San Juan Blvd.

Farmington NM, 87401

Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 19-Jun-14 09:30

### **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
SC-110@ 0-18' bgs	P406068-01A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.	
SC-108 Base @ 20' bgs	P406068-02A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.	
SC-101 @ 0-18' bgs	P406068-03A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.	

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager:

Steven Moskal

Reported: 19-Jun-14 09:30

### SC-110@ 0-18' bgs P406068-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	i	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	ı	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		103 %	80-1	20	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-1)ichlorobenzene		99.5 %	80-1	20	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	30.9	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	

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2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number:

03117-0014

Project Manager: Steven Moskal

Reported:

19-Jun-14 09:30

### SC-108 Base @ 20' bgs P406068-02 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021						-			
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	ŀ	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene	-	92.8 %	80-	120	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		89.3 %	80-	120	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	

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5796 US Highway 64, Farmington, NM 87401

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

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

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





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal Reported: 19-Jun-14 09:30

### SC-101 @ 0-18' bgs P406068-03 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021								<del></del> :-	
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.2 %	80-12	20	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		94.8 %	80-12	20	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	

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2101 San Juan Blvd. Farmington NM, 87401

Analyte

Project Name:

Lateral C-7

Project Number: Project Manager:

Reporting

Source: P406068-01

45.0

45.1

44.7

89,9

45.2

49.3

50.6

Limit

Result

03117-0014

Spike

Level

Source

Result

Prepared & Analyzed: 18-Jun-14

ND

ND

ND

ND

90.3

89.5

89.9

90.4

98.6

101

50.0

50.0

50,0

100

50.0

50.0

50.0

%REC

%REC

Limits

39-150

46-148

32-160

46-148

46-148

80-120

80-120

RPD

RPD

Limit

Notes

Steven Moskal

Reported: 19-Jun-14 09:30

#### Volatile Organics by EPA 8021 - Quality Control

#### **Envirotech Analytical Laboratory**

Units

Blank (1425015-BLK1)				Prepared &	Analyzed:	18-Jun-14		
Benzene	ND	0.05	mg/kg	·				
Toluene	ND	0.05	*					
Ethylbenzene	ND	0.05	11					
p,m-Xylene	ND	0.05	"					
o-Xylene	ND	0.05						
Total Xylenes	ND	0.05	н					
Total BTEX	ND	0.05	**					
Surrogate: 1,3-Dichlorohenzene	50.0		ug/L	50.0		100	80-120	
Surrogate: Bromochlorobenzene	51.1		"	50.0		102	80-120	
Duplicate (1425015-DUP1)	Sourc	e: P406068-	01	Prepared &	Analyzed:	18-Jun-14		
Benzene	ND	0.05	mg/kg		ND			30
Toluene	ND	0.05	"		ND			30
Ethylbenzene	ND	0.05	**		ND			30
p,m-Xylene	ND	0.05			ND			30
o-Xylene	ND	0.05	*		ND			30
Surrogate: 1,3-Dichlorobenzene	47.6		ug/l.	50.0		95.3	80-120	
Surrogate: Bromochlorohenzene	48.6		"	50.0		97.1	80-120	

ug/L

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Matrix Spike (1425015-MS1)

Surrogate: 1,3-Dichlorohenzene

Surrogate: Bromochlorobenzene

Benzene

Toluene

Ethylbenzene

p,m-Xylene

o-Xylene





Farmington NM, 87401

Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number: Project Manager: 03117-0014

Steven Moskal

Reported: 19-Jun-14 09:30

#### 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 1425015 - Purge and Trap EPA 5030A						,,,,				
Blank (1425015-BLK1)				Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg							
Duplicate (1425015-DUP1)	Sour	ce: P406068-	01	Prepared &	z Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425015-MS1)	Soui	ce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	0.42		mg/L	0.450	ND	93.1	75-125			

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



2101 San Juan Blvd.

Project Name:

Project Manager:

Lateral C-7

Project Number:

230

03117-0014 Steven Moskal

**Reported:** 19-Jun-14 09:30

Farmington NM, 87401

Diesel Range Organics (C10-C28)

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 1425016 - DRO Extraction EPA 3550C	<u></u>									
Blank (1425016-BLK1)				Prepared &	k Analyzed	18-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425016-DUP1)	Sou	rce: P406068-	01	Prepared &	k Analyzed	18-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		30.9			_	30	
Matrix Spike (1425016-MS1)	Sou	rce: P406068-	01	Prepared &	k Analyzed	18-Jun-14				

250

29.3

75-125

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2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 19-Jun-14 09:30

#### **Notes and Definitions**

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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Client:			oject Name / Location	on:			•						Α	NAL	/SIS	/ PAF	RAM	ETEF	RS			
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Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Vo. of Conta		Pr HNO <sub>3</sub>	eservati HCI	ve	TPH (Method 8015)	BTEX (	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
5C-110@0-18' bys	6/17/14	1400	P406068-01	1×4	or				X	X											Y	Y
SC-108 Base @ 20' bgs		1410	P406068-02						X	X												
5C-101 @ 0-18' bgs SC-108 Base @ 20' bgs	V	1455	P+06068-03	V					X	X											7	7
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Sample(s) dropped off after	hours to se	cure drop of	f area.	<b>j</b> e	<b>n v</b> Ana	ir (	ot cal	e (	h	ì	12	.6	, 1	1.6	, , )	۱2.	Ų					
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### **Analytical Report**

#### **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17101

Samples Received: 6/18/2014 4:05:00PM

Job Number: 03117-0014 Work Order: P406070

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

Date: 6/20/14

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.



Souder Miller & Associates 2101 San Juan Blvd. Project Name: Project Number: Lateral C-7

Farmington NM, 87401 Project Manager:

03117-0014 Steven Moskal

Reported: 20-Jun-14 12:03

### **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-116 W Wall @ 8-12'	P406070-01A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-115 @ 15' bgs (base)	P406070-02A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-100 @ 6' bgs (base)	P406070-03A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-117 NW Wall @, 0-12'	P406070-04A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 20-Jun-14 12:03

# SC-116 W Wall @ 8-12' P406070-01 (Solid)

Action	Duranta	Reporting	11	D21 -2	D . I	B1			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	i	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	i .	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	l .	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.6 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		97.4 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	





2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number:

03117-0014

Project Manager: Steven Moskal

**Reported:** 20-Jun-14 12:03

# SC-115 @ 15' bgs (base) P406070-02 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	i	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.7 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.0 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	





2101 San Juan Blvd.

Project Name:

Lateral C-7

Farmington NM, 87401

Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 20-Jun-14 12:03

# SC-100 @ 6' bgs (base) P406070-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021				•					
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	t	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		91.4%	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-1.)ichlorobenzene		90.0 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 20-Jun-14 12:03

# SC-117 NW Wall @ 0-12' P406070-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	t	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND_	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.2 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.7%	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	l	1425016	06/18/14	06/19/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager:

Reporting

45.2

49.3

50.6

Steven Moskal

Spike

Source

**Reported:** 20-Jun-14 12:03

RPD

%REC

## Volatile Organics by EPA 8021 - Quality Control

## **Envirotech Analytical Laboratory**

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1425015 - Purge and Trap EPA	5030A			<del>_</del>					100	
Blank (1425015-BLK1)				Prepared &	z Analyzed:	18-Jun-14				
Benzene	ND	0.05	mg/kg				*		-	
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05								
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	50.0		ug/L	50.0		100	80-120			
Surrogate: Bromochlorobenzene	51.1		"	50.0		102	80-120			
Duplicate (1425015-DUP1)	Source	e: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Benzene	ND	0.05	mg/kg		ND			,	30	
Toluene	ND	0.05	*		ND				30	
Ethylbenzene	ND	0.05			ND				30	
p,m-Xylene	ND	0.05	*		ND				30	
o-Xylene	ND	0.05	**		ND				30	
Surrogate: 1,3-Dichlorobenzene	47.6		ug/L	50.0		95.3	80-120	-		
Surrogate: Bromochlorobenzene	48.6		"	50.0		97.1	80-120			
Matrix Spike (1425015-MS1)	Sourc	e: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Benzene	45.0		ug/L	50.0	ND	90.0	39-150			
Toluene	45.1		"	50.0	ND	90.3	46-148			
Edually and a										
Ethylbenzene	44.7		**	50.0	ND	89.5	32-160			

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o-Xylene

Surrogate: 1,3-Dichlorohenzene

Surrogate: Bromochlorobenzene

50.0

50.0

50.0

ND

90.4

98.6

101

46-148

80-120

80-120





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 20-Jun-14 12:03

# 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 1425015 - Purge and Trap EPA 5030A										
Blank (1425015-BLK1)				Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg						· <del></del>	
Duplicate (1425015-DUP1)	Sour	ce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425015-MS1)	Sour	ce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	0.42		mg/L	0.450	ND	93.1	75-125			





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 20-Jun-14 12:03

Farmington NM, 87401 Project Manager:

Steven Moskal

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 1425016 - DRO Extraction EPA 3550C

Blank (1425016-BLK1) Prepared & Analyzed: 18-Jun-14 Diesel Range Organics (C10-C28) ND mg/kg Duplicate (1425016-DUP1) Source: P406068-01 Prepared & Analyzed: 18-Jun-14 Diesel Range Organics (C10-C28) 30.0 mg/kg 30.9 30 Source: P406068-01 Matrix Spike (1425016-MS1) Prepared & Analyzed: 18-Jun-14

Diesel Range Organics (C10-C28) 230 mg/L 250 29.3 80.2 75-125





Project Name:

Project Manager:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014 Steven Moskal **Reported:** 20-Jun-14 12:03

#### Notes and Definitions

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dıy

Sample results reported on a dry weight basis

RPD

Relative Percent Difference

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17101

Client:	٠.٠		ject Name / Location	on:							_		Α	NALY	/SIS	/ PA	RAM	ETEF	38			
Souder Miller PASSOC Email results to:	\CI_\&>		npler Name:							F	<u> </u>						Γ	1		T		$\lceil - \rceil$
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Client Phone No.:	TANKE TANK	Clie	ent No.:	0.3	117-0	2014	—— ,		g	thod	₽	etals	noir		H/P	9.0		,,,			ठ	act
505 215 9812		5	122855 BG	12				-	deth	(Met	Meth	≥ 8	/An		with	S elc	18.	<u></u>			රි	l III
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./	Volume ntainers	Pi HNO <sub>3</sub>	eservat HCI	ive Ku	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
x-116 mmal 212	6/18/14	1322	P406070-01	1x	403-					١											>-	Ÿ
5-115 @ 15' bgs (base)		1337	P406070-02			_			1													
SC-100 @6' bys (base)		1420	P406070-03																			Ш
SC-117 NP UNIT @0-12'		1432	P406070-09	-	V			4	1	V								Ì			_	-1-
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Relinquished by: (Signature)				Date	Time	Rece	ived b	y: (S	ignat	ure)	 								lL	Date	Ti	me
At ware				6/8/14	1605					1			, ^	1					*	W 1844	1//	15
Relinquished by: (Signature)						Rece	ved b	y: (S	ignat	ure)												
Sample Matrix		_										•										
Soil Solid Sludge																						
□ Sample(s) dropped off after	hours to see	cure drop of	farea.	<u> </u>	n V And	ire	) t	e	c'n	1	5.4	ا. ا	4.	}	6							
5795 US Highway 64	1 • Farminat	on. NM 8740	1 • 505-632-0615 • 1														@en	virote	ch-inc	_		



# **Analytical Report**

# **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17107
Samples Received: 6/20/2014 7:05:00AM

Job Number: 03117-0014 Work Order: P406076

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

Date: 6/24/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 6/24/14 11:11 am

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2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number:

03117-0014

Project Manager:

Steven Moskal

**Reported:** 24-Jun-14 11:12

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-118 NW Corner @ 0-20'	P406076-01A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-119 N. Wall Corner @ 5-20'	P406076-02A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-121 N. Base @ 23'	P406076-03A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-122 S. Base @: 15'	P406076-04A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-123 S. Of E. Wall 0-15'	P406076-05A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-124 SE Wall Corner @ 0-16'	P406076-06A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-126 E Wall @ 0-17'	P406076-07A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-127 NE Wall @ 6-18'	P406076-08A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-128 N. Wall @ 5-20'	P406076-09A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal **Reported:** 24-Jun-14 11:12

# SC-118 NW Corner @ 0-20' P406076-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	t	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		100 %	80-	-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %	80-	-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/20/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 24-Jun-14 11:12

# SC-119 N. Wall Corner @ 5-20' P406076-02 (Solid)

,		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	i	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	i	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1 -	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	t	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.5 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	,
Surrogate: Bromochlorobenzene		98.9 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/20/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal **Reported:** 24-Jun-14 11:12

SC-121 N. Base @ 23' P406076-03 (Solid)

Units mg/kg	Dilution	Batch	Prepared	Analyzed	Method	Notes
malka						Notes
ma/ku						
mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8015D	
mg/kg	1	1425029	06/20/14	06/20/14	EPA 8015D	
	mg/kg mg/kg mg/kg mg/kg 80-1	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 80-120 80-120	mg/kg 1 1425028 mg/kg 1 1425028 mg/kg 1 1425028 mg/kg 1 1425028 mg/kg 1 1425028 80-120 1425028 mg/kg 1 1425028	mg/kg 1 1425028 06/20/14 mg/kg 1 1425028 06/20/14 mg/kg 1 1425028 06/20/14 mg/kg 1 1425028 06/20/14  80-120 1425028 06/20/14 80-120 1425028 06/20/14 mg/kg 1 1425028 06/20/14	mg/kg 1 1425028 06/20/14 06/20/14 mg/kg I 1425028 06/20/14 06/20/14 mg/kg I 1425028 06/20/14 06/20/14 mg/kg I 1425028 06/20/14 06/20/14  80-120 1425028 06/20/14 06/20/14 80-120 1425028 06/20/14 06/20/14  mg/kg I 1425028 06/20/14 06/20/14  mg/kg I 1425028 06/20/14 06/20/14	mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B  80-120 1425028 06/20/14 06/20/14 EPA 8021B 80-120 1425028 06/20/14 06/20/14 EPA 8021B  mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B

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2101 San Juan Blvd. Farmington NM, 87401 Project Name: Project Number: Lateral C-7

Project Number: Project Manager: 03117-0014

**Reported:** 24-Jun-14 11:12

Steven Moskal

SC-122 S. Base @ 15' P406076-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.8 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		96.2 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.8	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Reported:

Project Manager: Steven Moskal

24-Jun-14 11:12

# SC-123 S. Of E. Wall 0-15' P406076-05 (Solid)

	Reporting							
Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
							·	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
	97.3 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
	98.5 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
							-1000	
ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	
	ND ND ND ND ND ND	Result Limit  ND 0.05  ND 0.05  ND 0.05  ND 0.05  ND 0.05  ND 0.05  ND 0.05  ND 0.05  ND 0.05  ND 0.85  ND 0.85  ND 0.85  ND 0.85  ND 0.85  ND 0.85  ND 0.85  ND 0.85  ND 0.85	ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     ND   0.05   mg/kg     80-98.5 %   80-	ND	ND	ND	ND	ND





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 24-Jun-14 11:12

Farmington NM, 87401

Project Manager:

Steven Moskal

# SC-124 SE Wall Corner @ 0-16' P406076-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021		_							
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene	_	98.2 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		99.6 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401

Project Number:

03117-0014

**Reported:** 24-Jun-14 11:12

Project Manager:

Steven Moskal

# SC-126 E Wall @ 0-17' P406076-07 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	t	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-1)ichlorohenzene		106 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager:

03117-0014

Steven Moskal

Reported: 24-Jun-14 11:12

# SC-127 NE Wall @ 6-18' P406076-08 (Solid)

ND ND	0.05 0.05	Units mg/kg	Dilution	Batch	Prepared	Analyzed	Method	Notes
ND		mg/kg						
ND		mg/kg	1					
	0.05		•	1425028	06/20/14	06/20/14	EPA 8021B	
	0.03	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
	109 %	80-1	120	1425028	06/20/14	06/20/14	EPA 8021B	
	110 %	80-1	120	1425028	06/20/14	06/20/14	EPA 8021B	
ND	5.00	mg/kg	!	1425028	06/20/14	06/20/14	EPA 8015D	
ND	29.9	mg/kg	I	1425029	06/20/14	06/23/14	EPA 8015D	
	ND ND ND	ND 0.05 ND 0.05 ND 0.05 ND 0.05 . 109 % 110 %	ND 0.05 mg/kg ND 0.05 mg/kg ND 0.05 mg/kg ND 0.05 mg/kg ND 0.05 mg/kg ND 0.05 mg/kg	ND 0.05 mg/kg !  ND 0.05 mg/kg !  ND 0.05 mg/kg !  ND 0.05 mg/kg !  ND 0.05 mg/kg !  109 % 80-120  110 % 80-120	ND 0.05 mg/kg 1 1425028  ND 0.05 mg/kg 1 1425028  ND 0.05 mg/kg 1 1425028  ND 0.05 mg/kg 1 1425028  ND 0.05 mg/kg 1 1425028	ND 0.05 mg/kg 1 1425028 06/20/14  ND 0.05 mg/kg 1 1425028 06/20/14  ND 0.05 mg/kg 1 1425028 06/20/14  ND 0.05 mg/kg 1 1425028 06/20/14  ND 0.05 mg/kg 1 1425028 06/20/14	ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14	ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B  ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B  ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B  ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B  ND 0.05 mg/kg 1 1425028 06/20/14 06/20/14 EPA 8021B





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

**Reported:** 24-Jun-14 11:12

Project Manager:

Steven Moskal

# SC-128 N. Wall @ 5-20' P406076-09 (Solid)

***									
•		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021			<u>.</u>						_
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		105 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		108 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





2101 San Juan Blvd Farmington NM, 87401 Project Name:

Lateral C-7

Analyte

Project Number: Project Manager:

Reporting

Source: P406076-01

50.2

50.2

50.4

101

50.4

49.2

50.9

Limit

Result

03117-0014 Steven Moskal

Spike

Level

Source

Result

Prepared: 20-Jun-14 Analyzed: 23-Jun-14 ND

100

101

101

101

98.5

102

ND

ND

ND

ND

50.0

50.0

50.0

100

50.0

50.0

50.0

%REC

%REC

Limits

39-150

46-148

32-160

46-148

46-148

80-120

80-120

RPD

Reported: 24-Jun-14 11:12

RPD

Limit

Notes

## Volatile Organics by EPA 8021 - Quality Control

## **Envirotech Analytical Laboratory**

Units

Blank (1425028-BLK1)				Prepared: 2	0-Jun-14 Analyzed:	23-Jun-14	
Benzene	ND	0.05	mg/kg				
Toluene	ND	0.05	н				
Ethylbenzene	ND	0.05	11				
p,m-Xylene	ND	0.05	**				
o-Xylene	ND	0.05	**				
Total Xylenes	ND	0.05					
Total BTEX	ND	0.05	"				
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0	96.9	80-120	
Surrogate: Bromochlorobenzene	49.7	,	"	50.0	99.5	80-120	
Duplicate (1425028-DUP1)	Sourc	e: P406076-	01	Prepared: 2	0-Jun-14 Analyzed:	23-Jun-14	
Benzene	ND	0.05	mg/kg		ND		30
Toluene	ND	0.05	**		ND		30
Ethylbenzene	ND	0.05	"		ND		30
p,m-Xylene	ND	0.05	•		ND		30
o-Xylene	ND	0.05	**		ND		30
Surrogate: 1,3-Dichlorobenzene	48.5		ug/I.	50.0	97.1	80-120	
Surrogate: Bromochlorobenzene	49.8		"	50.0	99.6	80-120	

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Matrix Spike (1425028-MS1)

Surrogate: 1,3-Dichlorohenzene

Surrogate: Bromochlorobenzene

Benzene

Tolucne

Ethylbenzene

p,m-Xylene

o-Xylene





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported:

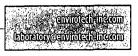
\_\_\_\_

24-Jun-14 11:12

# 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 1425028 - Purge and Trap EPA 5030A										
Blank (1425028-BLK1)				Prepared: 2	20-Jun-14_	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1425028-DUP1)	Soui	rce: P406076-0	D1	Prepared: 2	20-Jun-14_/	Analyzed: 2	3-Jun-14	_		
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND	,			30	
Matrix Spike (1425028-MS1)	Sour	rce: P40607 <u>6-</u>	01	Prepared: 2	20-Jun-14_	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	0.51		mg/L	0.450	ND	113	75-125			





2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014

Reported:

Steven Moskal

24-Jun-14 11:12

## 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 1425029 - DRO Extraction EPA 3550C			<u>.</u>							
Blank (1425029-BLK1)				Prepared &	Analyzed:	20-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425029-DUP1)	Soul	rce: P406076-	01	Prepared &	Analyzed:	20-Jun-14			_	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	<del>-</del>
Matrix Spike (1425029-MS1)	Sour	rce: P406076-	01	Prepared: 2	20-Jun-14	Analyzed: 2	3-Jun-14			
Diesel Range Organics (C10-C28)	454		mg/L	250	6.00	179	75-125			SPKI





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal Reported: 24-Jun-14 11:12

#### **Notes and Definitions**

SPK1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



# CHAIN OF CUSTODY RECORD

Client:				ject Name / Location										Α	VALY	'SIS	/ PAF	RAME	TER	s		****	
Souder mille &	15505	ان	tes l	ated C	-7_						—					-			-				
Email results to:		,		npler Name:		٨				8015)	8021)	8260)											
steven moskal@s	sulu	mil	wigh	Stere M	los Koe	<u>V</u>					8 pc	d 82	als	_		٩							
Client Phone No.:				ent No.:						(Method	(Method	(Method	8 Metals	Anio		h H/P	910-1	3.1)	E E			Cool	Intact
505 2159812		. 1		122855			<del></del>			Me			A 8	) u		with	Table	(418	E			)     	<u>e</u>
Sample No./ Identification	Sam Da	' 1	Sample Time	Lab No.		Volume Intainers	HNO <sub>3</sub>	eservati HCI	ve	TPH	ВТЕХ	δ V	RCRA	Cation / Anion	쥰	TCLP	00	TPH (418.1)	CHLORIDE			Sample	Sample
2-118 NM corner @0-20'	4/19	(14	1038	P406076-01	1 x	407				Χ	X											<u></u>	
35-19 Nival @ 5-20'	]			P406076-02						X	X											V	-
SC-121 N. Bose @23'			1145	P406076-03						X	X											V	
SC-122 S. Brose Ø15'	,		1315	2406016-04						X	X											1	
SC-123 S. of E. Wall OF	,		1318	P406076-05		1.	_			X	X											/	
5C-124 SE mall corner &	10-16		<u>1330</u>	9404074-06						X	X											V	
8-126 E Wall 8-17'			14124	P404074-04						X	X						-					V	
SC-127 NE Wall @618'		_	1532	P406016-08						X	χ											V	
SC-128 H. Mall \$5-20'		$V_{\perp}$	1602	P406016-09			-			X	Χ											~	
Relinquished by: (Signature)					Date	Time	Recei	ved b	v: (Sid	gnati	ure)										Date	Ti	me
Alas Vas					61294	0705					$\geq$		// 	//	1	K				6	1/20		705
Relinquished by: (Signature)			e				Recei	ved b	y: (Si	gnati	Ire)												
Sample Matrix																							
Soil Solid Sludge																					ļ		
$\square$ Sample(s) dropped off after $\mathbb{R} \mathbb{R} \mathbb{R} \mathbb{R}$	hours	to sed	cure drop of	f area.	3	V M €	'Îľ(	al La	e (	etory		l	1.7			11	.9		1	۱. ک	-		
, · ,	1 a Ear	minat	on NA 8740	1 • 505-632-0615 • 1	hree Spri		-			•	•	rana	. C	<b>~</b> 012	01.4	ممطما							



# **Analytical Report**

## **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17110
Samples Received: 6/20/2014 2:20:00PM

Job Number: 03117-0014 Work Order: P406079

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

Date: 6/24/14

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.



Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal **Reported:** 24-Jun-14 12:05

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-125 E Base @ 21'	P406079-01A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-130 N Wall @ C-7 8-20'	P406079-02A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-131 E Wall @ RP 8-12'	P406079-03A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.
SC-131 E Wall @ RP 12-20'	P406079-04A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 24-Jun-14 12:05

# SC-125 E Base @ 21' P406079-01 (Solid)

` ·									
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Volatile Organics by EPA 8021			_						
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1 .	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %	80-1	120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		104 %	80-1	120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal **Reported:** 24-Jun-14 12:05

SC-130 N Wall @ C-7 8-20'

P406079-02 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									n.
Benzene	ND	0.05	mg/kg l	i	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l .	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %	80-12	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		103 %	80-12	?0	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

24-Jun-14 12:05

# SC-131 É Wall @ RP 8-12' P406079-03 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021		1							
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	. 0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.4 %	80-	-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		94.5 %	80-	-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Reported:

Project Manager:

Steven Moskal

24-Jun-14 12:05

# SC-131 E Wall @ RP 12-20' P406079-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	···								
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	i	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		101 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		101 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





2101 San Juan Blvd.

Project Name:

Lateral C-7

Project Number:

03117-0014

Reported:

Farmington NM, 87401 Project Manager: Steven Moskal

24-Jun-14 12:05

## Volatile Organics by EPA 8021 - Quality Control

## **Envirotech Analytical Laboratory**

- 	<b>.</b>	Reporting	** .	Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1425028 - Purge and Trap EPA 5030A										
Blank (1425028-BLK1)				Prepared: 2	20 <b>-J</b> un-14 /					
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	•							
Ethylbenzene	ND	0.05	*							
p,m-Xylene	ND	0.05	**							
o-Xylene	ND	0.05	•							
Total Xylenes	ND	0.05	n							
Total BTEX	ND	0.05								
Surrogate: 1,3-Dichlorobenzene	48.5		ug/I.	50.0		96.9	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.5	80-120			
Duplicate (1425028-DUP1)	Sou	rce: P406076-	01	Prepared: 2	20-Jun-14 A	Analyzed: 2	.3-Jun-14			
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	*		ND				30	
p,m-Xylene	ND	0.05	•		ND				30	
o-Xylene	ND	0.05	*		ND				30	
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		97.1	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			
Matrix Spike (1425028-MS1)	Sou	rce: P406076-	01	Prepared: 2	20-Jun-14 A	Analyzed: 2	:3-Jun-14			
Benzene	50.2		ug/L	50.0	ND	100	39-150			
Foluene	50.2		н	50.0	ND	100	46-148			
Ethylbenzene	50.4		н	50.0	ND	101	32-160			
p,m-Xylene	101		**	100	ND	101	46-148			
o-Xylene	50.4		"	50.0	ND	101	46-148			
Surrogate: 1,3-1)ichlorohenzene	49.2		"	50.0		98.5	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number: Project Manager:

Reporting

03117-0014 Steven Moskal

Spike

Source

Reported:

Farmington NM, 87401

\_\_\_\_\_

24-Jun-14 12:05

RPD

%REC

# Nonhalogenated Organics by 8015 - Quality Control

## **Envirotech Analytical Laboratory**

Analyte	Kesult	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1425028 - Purge and Trap EPA 5030A	\									
Blank (1425028-BLK1)				Prepared: 2	0-Jun-14	Analyzed: 2				
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1425028-DUP1)	Source	e: P406076-	01	Prepared: 2	0-Jun-14	Analyzed: 2	·			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425028-MS1)	Sourc	e: P406076-	01	Prepared: 2	0-Jun-14	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	0.51		mg/L	0.450	ND	113	75-125			





Farmington NM, 87401

Project Name:

Lateral C-7

2101 San Juan Blvd. Project Number: 03117-0014

Reported:

Project Manager:

Steven Moskal

24-Jun-14 12:05

# Nonhalogenated Organics by 8015 - Quality Control

## **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425029 - DRO Extraction EPA 3550C	_									
Blank (1425029-BLK1)				Prepared &	: Analyzed:	20-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425029-DUP1)	Result         Limit         Units         Long           0C         Prep           ND         30.0         mg/kg           Source:         P406076-01         Prep           ND         29.9         mg/kg           Source:         P406076-01         Prep			Prepared &	: Analyzed:	20-Jun-14				
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	
Matrix Spike (1425029-MS1)	ND 30.0 mg/kg  Source: P406076-01  ND 29.9 mg/kg  Source: P406076-01				20-Jun-14	Analyzed: 2				
Diesel Range Organics (C10-C28)	454		mg/L	250	6.00	179	75-125			SPKI





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 24-Jun-14 12:05

Farmington NM, 87401

Project Manager:

Steven Moskal

#### Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Client:	Project Name / Location:								ANALYSIS / PARAMETERS																										
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Email results to:			mpler Name:	۸					15)	3021	260)																								
Heren moskal@souder	nillericon		Here Mosk	rel					1 80	pc 8	d 82	als	Ē		ď/	1-0					_														
Client Phone No.:		Cli	ent No.: 5122855	031	17-001	4			thoc	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CÓ Table 910-1	TPH (418.1)	B			Sample Cool	Sample Intact													
505 215 9812	Sample	Sample	0122000					Proconveti		ve.	Š	X (A	(M	₹¥	/ uo		Ψď	Tabl	(41	CHLORIDE	1		eldi	읊											
Sample No./ Identification	Date	Time	Lab No.		No./Volume of Containers						1						1		No./ volume			TPH (Method 8015)	ВТЕ	Š	RS	Cati	낊	TCL	.0	TP.	동			Sarr	Sam
86-125 E. Base @ 21'	6/20/14	1000)	P406079-01	1-4	uzjar				Χ	K											$\checkmark$														
8C-130 N. WALL OC-7 8-20		1050	P406079-02						K	X											<b>✓</b>	V													
36131 Eurl QRP 8-12	I i	1112	P406079-03						X	X											✓,	<b>✓</b>													
SC131 E. UNIL DRP 12-26		1114.	P404079-04	۔					X	X											<b>✓</b>														
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Relinquished by: (Signature)	<b>!</b>			Date	Time	I Rece	ived b	y: (S	ignat	ure)								<u> </u>	ll	Date	Ti	me													
Starting				Gladie	11420	42	ene	3	15	'n					•					6/20/1	114	:20													
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Sample Matrix													<u>_</u>								-	_													
Soll/X Solid Sludge																																			
☐ Sample(s) dropped off after	hours to se	cure drop c	iff area.	<u>ک</u> ،	~ ~ · ·	ir	<b>~</b> ‡.	^	, ,	•	14	.8										İ													
RUSH				クり	Anal	ytic	al La	<b>C</b> €	ator	i / Y /.	7.	5										,													
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# **Analytical Report**

### **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17122
Samples Received: 6/23/2014 4:50:00PM

Job Number: 03117-0014 Work Order: P406093

Project Name/Location: Lateral C-7

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date: 6

6/25/14

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2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 25-Jun-14 13:59

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
Road @ 0-6'	P406093-01A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.	
SC-132 Base Mid of E Wall @23'	P406093-02A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.	
SC-133 EWall Mid @6-23'	P406093-03A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal **Reported:** 25-Jun-14 13:59

25-Jun-14 13

## Road @ 0-6' P406093-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Analyte	Result	- Diffit	Cinta	Dilation	Datell	ricparcu	/ mary zed	Wichiou	110105
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	. ND	0.05	mg/kg	.1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	I	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		118 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		115 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015	<u> </u>	- N. N. III							
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	l	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	. 1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014

Steven Moskal

**Reported:** 25-Jun-14 13:59

## SC-132 Base Mid of E Wall @23' P406093-02 (Solid)

·		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	·		-						
Benzene	1.59	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	32.3	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	7.75	0.05	mg/kg	ı	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	55.4	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	14.4	0.05	mg/kg	ı	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	69.8	0.05	mg/kg	ľ	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	111	0.05	mg/kg	I	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		153 %	80-	-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogate: 1,3-Dichlorobenzene		236 %	80-	-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	644	5.00	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	152	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

25-Jun-14 13:59

Reported:

## SC-133 EWall Mid @6-23' P406093-03 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	39.1	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	206	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	28.9	0.05	mg/kg	ı	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	170	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	50.7	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	221	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	494	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		166 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		160 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	1330	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	377	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 25-Jun-14 13:59

Farmington NM, 87401

Project Manager:

Steven Moskal

## Volatile Organics by EPA 8021 - Quality Control

### **Envirotech Analytical Laboratory**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1426009 - Purge and Trap EPA 5030A										
Blank (1426009-BLK1)				Prepared &	k Analyzed:	24-Jun-14				
Benzene	ND	0.001	mg/kg	-						
Toluene	ND	0.001	4							
Ethylbenzene	ND	0.001								
p,m-Xylene	ND	0.001	**							
o-Xylene	ND	0.001								
Total Xylenes	ND	0.001	*							
Total BTEX	ND	0.001								
Surrogate: 1,3-1)ichlorobenzene	55.1		ug/L	50.0		110	80-120		_	
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			
Duplicate (1426009-DUP1)		rce: P406093-	01	Prepared &	k Analyzed:	24-Jun-14				
Benzene	ND	0.05	mg/kg		ND				30	-
Toluene	ND	0.05	#		ND				30	
Ethylbenzene	ND	0.05	**		ND				30	
p,m-Xylene	ND	0.05	0		ND				30	
o-Xylene	ND	0.05	n		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-0
Matrix Spike (1426009-MS1)	Sou	rce: P406093-	01	Prepared &	k Analyzed:	24-Jun-14				
Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2			50.0	ND	106	46-148			
Ethylbenzene	51.9		**	50.0	ND	104	32-160			
p,m-Xylene	106		**	100	ND	106	46-148			
o-Xylene	53.2		п	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorohenzene	57.6		"	50.0		115	80-120			
Surrogate: Bromochlorobenzene	60.2		"	50.0		120	80-120			

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5796 US Highway 64, Farmington, NM 87401

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

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

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





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

25-Jun-14 13:59

### 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 1426009 - Purge and Trap EPA 5030A										
Blank (1426009-BLK1)				Prepared &	Analyzed:	24-Jun-14				•
Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg							
Duplicate (1426009-DUP1)	Sour	ce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Gasoline Range Organics (C6-C10)	7.59	4.99	mg/kg		ND	-			30	
Matrix Spike (1426009-MS1)	Sour	ce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Gasoline Range Organics (C6-C10)	0.46		mg/L	0.450	ND	102	75-125			





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401

Diesel Range Organics (C10-C28)

Project Number: Project Manager: 03117-0014 Steven Moskal Reported: 25-Jun-14 13:59

75-125

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 1426010 - DRO Extraction EPA 3550C										
Blank (1426010-BLK1)				Prepared &	z Analyzed:	24-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1426010-DUP1)	Sou	rce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1426010-MS1)	Sou	rce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				





Project Name:

Project Manager:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014 Steven Moskal

Reported:

25-Jun-14 13:59

### **Notes and Definitions**

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present

in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



# **CHAIN OF CUSTODY RECORD**

Client: Soudy Milly \$AS	in do		ject Name / Location										Ai	VALY	'SIS	/ PAF	RAME	TER	s			
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Sample No./ Identification	Sample Date	Sample Time	Lab No.		/olume ntainers	Pr HNO <sub>3</sub>	eservat HCI	ive	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Rescal @ 10-6'	6/23/14	1517	P406093-01	1xL	10%				X	X											7	Y
. Y-B2 Base mill of Euch	023'	1545	P406093-02						X	x											1	
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☐ Sample(s) dropped off after	hours to see	cure drop of	f area.	<u>、</u> _				_		1	0.5											
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# **Analytical Report**

### **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17128
Samples Received: 6/24/2014 4:20:00PM

Job Number: 03117-0014 Work Order: P406102

Project Name/Location: Lateral C-7

Entire Report Reviewed By:			Date:	6/26/14	
	Tim Cain Lah	poratory Manager	<del></del>		

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.



2101 San Juan Blvd. Farmington NM, 87401

Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014

Steven Moskal

**Reported:** 26-Jun-14 12:35

## **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
SC-136 E Wall @ 6-20'	P406102-01A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.	•
SC-137 S Wall @ 6-20'	P406102-02A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.	
SC-132 E Base @ 33.5'	P406102-03A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 26-Jun-14 12:35

Farmington NM, 87401

Project Manager:

Steven Moskal

SC-136 E Wall @ 6-20' P406102-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	NĐ	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene	· · · ·	95.3 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.9 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported:

26-Jun-14 12:35

## SC-137 S Wall @ 6-20' P406102-02 (Solid)

		Reporting			•				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene	_	94.0 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.1 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 26-Jun-14 12:35

## SC-132 E Base @ 33.5' P406102-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	0.13	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	0.13	0.05	mg/kg	ı	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	0.13	0.05	mg/kg	ı	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		92.2 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	•
Surrogate: Bromochlorobenzene		91.5 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	33.1	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number:

03117-0014

Project Manager:

Reporting

53.2

57.6

60.2

Steven Moskal

Spike

Source

ND

50.0

50.0

50.0

**Reported:** 26-Jun-14 12:35

RPD

%REC

46-148

80-120

80-120

106

115

120

Volatile Organics by EPA 8021 - Quality Control

**Envirotech Analytical Laboratory** 

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1426009 - Purge and Trap EP	A 5030A				· · · · · ·					
Blank (14260 <u>09-BLK1)</u>				Prepared &	Analyzed:	24-Jun-14				
Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	•							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	•							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	*							
Total BTEX	ND	0.001	**							
Surrogate: 1,3-Dichlorobenzene	55.1	-	ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			
Duplicate (1426009-DUPI)	Source	ce: P406093-	-01	Prepared &	. Analyzed:	24-Jun-14				
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	**		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05			ND				30	
o-Xylene	ND	0.05	N		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-02
Matrix Spike (1426009-MS1)	Source	ce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2			50.0	ND	106	46-148			
Ethylbenzene	51.9		**	50.0	ND	104	32-160			
p,m-Xylene	106		**	100	ND	106	46-148			

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o-Xylene

Surrogate: 1,3-Dichlorobenzene

Surrogate: Bromochlorobenzene





2101 San Juan Blvd.

Project Name:

Lateral C-7

Project Number:

03117-0014

Reported: 26-Jun-14 12:35

Farmington NM, 87401

Steven Moskal Project Manager:

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

Blank (1426009-BLK1)				Prepared &	Analyzed:	24-Jun-14		
Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg					
Duplicate (1426009-DUP1)	Source	e: P406093-	01	Prepared &	Analyzed:	24-Jun-14		
Gasoline Range Organics (C6-C10)	7.59	4.99	mg/kg	,	ND			30
Matrix Spike (1426009-MS1)	Source	e: P406093-	01	Prepared &	Analyzed:	24-Jun-14		
Gasoline Range Organics (C6-C10)	0.46		mg/L	0.450	ND	102	75-125	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 26-Jun-14 12:35

Nonhalogenated Organics by 8015 - Quality Control

**Envirotech Analytical Laboratory** 

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC	RPD	RPD Limit	Notes
Analyte	Resuit	Liniit	Units	Level	Resuit	70KEC	Limits	KrD	Limit	Notes
Batch 1426010 - DRO Extraction EPA 3550C	•									
Blank (1426010-BLK1)				Prepared &	Analyzed:	24-Jun-14				
Diesel Range Organics (C10-C28)	ИD	30.0	mg/kg							
Duplicate (1426010-DUP1)	Sou	rce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1426010-MS1)	Sou	rce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Diesel Range Organics (C10-C28)	279		mg/L	250	6.00	109	75-125			





Project Name:

Project Manager:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: 03117-0014

Steven Moskal

Reported:

26-Jun-14 12:35

### **Notes and Definitions**

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present

in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



# CHAIN OF CUSTODY RECORD

Client:		Pro	ject Name / Location										Al	NALY	/SIS	/ PAF	RAME	TER	s			
Email results to:  Street, Mostral @ Souds Client Phone No.:	Sociat	s L	ateral C-7							, ,								,				]
Email results to:		Sar	npler Name:						5)	21)	<u> </u>											
Steven mosted @ soude	miller.c	DM :	Here mosk	el					801	98	826	<u>s</u>			,	<del>-</del>						
Client Phone No.:		Clie	ma bla a						od	ţ.	Pod	leta	<u>اة</u>		H/F	910	£	ш			ᇫ	lact
505 215 9812			5122855	0311	7-001	+			vietr	(Me	Met	8 2	₹		with	ple (	118.	A D			ပိ	트
Sample No./ Identification	Sample	Sample	Lab No.	No./	Volume	Pr	eservat I	ive	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
	Date	Time		of Co	ntainers	HNO <sub>3</sub>	HCI				>	Œ	Ö	<u> </u>	1	Ö	F	ਹ			Š	Š
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SC-137 Sugue 6-201			P406102-02	1					K	X											<b>X</b>	×
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Relinquished by: (Signature)			·	Date	Time	Recei	ved b	yy (Si	gnati	ure)	tt	,				•		L		Date	Ti	ime
Oto True				6124/1	1 620	Recei		$\Gamma$	1	in	i d	jil	St.	K						dall	4/16	1.00
Relinquished by: (Signature)						Recei	ived b	y: (Si	gnati	ure)			V									
Sample Matrix								•							-	<del></del>					+	
Soil ⊠ Solid ☐ Sludge ☐	Aqueous [	Other 🗌																				
☐ Sample(s) dropped off after	hours to sec	cure drop of	f area.	<u>,</u>		•		_				$\bigcirc$	7		01	7	1	۱. ه	1	+	.1	$\Box$
RUSH				<b>3</b> €	V <b>n S</b>	ir (	ol La	e (	otor	) Y		δ	. 6		į	ر.	(	٠- يى	4			
5795 US Highway 64	l • Farmingt	on, NM 8740	1 • 505-632-0615 • 1	hree Spri	ings • 65 N	/lerca	do Str	eet, S	uite 1	15, D	uranç	30, C	O 813	01 •	laboi	ratory	∕@en	virote	ch-inc	Page	10 0	of 10

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District III

District III

District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141 Revised August 8, 2011

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

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

		F	Release	Notifica	atio	n and C	orrecti	ve Acti	on			<del></del>
					Ol	PERATOR	₹		] Initial I	Report	$\boxtimes$	Final Report
		Enterprise F				Contact: Ti						
		ve, Farmin		87401		Telephone			<del></del> -			
Facility Nai	me: Latera	ıl 6B-15 Pip	eline			Facility Typ	e: Gas ga	athering sy	stem pipe	eline		
Surface Ov	vner: Nava	ajo Allotmen	nt	Mineral O	wner	: Navajo Tri	bal		API No	).		
				LOCA	TIQ	N OF REL	.EASE					
Unit Letter	Section 20	Township 28N	Range 12W	Feet from the	Nor Line	th/South	Feet from	n East/ Line	Vest	County San Jua	n	
		2011	1244	uic .	LIIIC	772		Line	87	Jan Jua		
			Latitude	<u>36.65</u>	<u> 289</u>	Long	itude	<u>-108.1263</u>	<u> 36</u>			
				NATU	JRE	OF RELI	EASE					
Type of Rele	ease: Natur	al gas and po	ossible ass	ociated liquids		_,	Release:	Unknown	Volume I	Recovered	l: Unk	nown
		ural gas gath				Date and Unknown	Hour of Oc	currence:		Hour of E AT 7:00A		ery:
Was Immed	iate Notice			<b>-</b>		If YES, To	Whom?					
Required			∐ Yes [	□ No ⊠ No	ot				OIL	_CONS.	DIV D	IST. 3
By Whom?						Date and			-	JUL 1	<b>8</b> 20	14
Was a Wate	rcourse Re			<b>7</b> N		If YES, Vo	lume Impa	acting the W	atercourse	e. JUL #	0 20	ייני ייני
			☐ Yes [	<u> </u>								
If a Waterco	urse was Ir	npacted, Des	scribe Fully	.*								
				on Taken.* D the pipeline w					s discovere	ed. The pi	peline	line was
Describe Ar	ea Affected	and Cleanup	Action Ta	ken.*								
				ed on Octobe acility. The fina								
				oort is included				-IIVE (43) IEI	stilling by t	leii (10) lei	st wide	by seven
I hereby cer	tify that the	information of	niven ahov	e is true and c	omnle	ete to the hes	t of my kn	owledge and	d understa	nd that nu	suant	to NMOCD
				to report and								
				onment. The								
				ations have fa he environme								
				ny other feder								
							OIL C	ONSER'	VATION	DIVISI	<u> </u>	
Signature:												
Printed Nan	ne: Jon Fiel	ds				Approved by	<i>'</i>	DE		ED		
									ob.		_	-
Title: Directo	or, Environ <u>n</u>	nental				Approval Da	<u> </u>	BY: <u>Cory Smith</u> DATE:		144 34-6178 Ext.	- 115	
E-mail Addr	ess: jefields	@eprod.com	1			Conditions of	f Approval		(203) 33	Attache	-	
Date:			Phone	e: (713)381-66	884						_	
	tional She	ets If Neces				Luce	111220	20.025				

\* Attach Additional Si

#NCS 1423939939





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

December 3, 2013

Enterprise Products Operating, LLC 614 Reilly Avenue

Farmington, NM 87401 Attn: Ms. Runell Seale

Re: 6B-15 Pipeline Release

Corrective Action Summary

NE ¼ NE ¼, Sec 20, Township 28 North, Range 12 West

Rural San Juan County, NM SWG Project No. 0413G016

Dear Ms. Seale:

Southwest Geoscience (SWG) appreciates the opportunity to submit this Corrective Action Summary detailing Enterprise's response actions related to the release of natural gas and associated liquids, if any, at the Enterprise Products Operating, LLC (Enterprise) 6B-15 Pipeline, referred to hereinafter as the "Site" or "subject Site". The Site is located in the NE ¼ of the NE ¼ of Section 20, Township 28 North, Range 12 West in rural San Juan County, Navajo Nation, 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. Photographic documentation is provided in Attachment B.

### Response/Assessment Activities

On October 16<sup>th</sup>, 2013 Enterprise initiated activities to expose the pipeline at the location of a potential leak that was identified during a vapor survey. With the exception of apparently distressed vegetation, no surface expression of a release was visible at the Site. The leak was confirmed and repaired on October 18<sup>th</sup>, 2013, and reported to the New Mexico Oil Conservation Division (OCD) and Navajo Nation Environmental Protection Agency (NNEPA). Soils in the vicinity of the release that were affected by the release of natural gas and possible associated liquids were segregated for disposal, with the resulting excavation measuring approximately forty-five (45) feet long, ten (10) feet wide, and seven (7) feet deep. In total, 142 cubic yards of material were removed from the excavation and transported to the Envirotech, Inc. Soil Remediation Facility near Hilltop, NM for treatment/disposal. Groundwater was not encountered during the excavation activities.

Between October 17<sup>th</sup> and October 21<sup>st</sup>, 2013, SWG representative Kyle Summers utilized hand tools to collect samples from the sidewalls and floor of the excavated area at depths of 0.5 to 1.0 feet beyond the exposed surfaces. Upon retrieval of each sample from the excavation, a portion of the soil sample was placed in laboratory prepared glassware for potential laboratory analysis and a portion of the soil sample was placed into a plastic ziplock bag for field screening utilizing a photoionization detector (PID) capable of detecting volatile organic compounds (VOCs). The PID was calibrated utilizing an isobutylene standard prior to use in the field.



The soil samples selected for laboratory analysis 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 Envirotech Analytical Laboratory for rush turnaround. Laboratory analytical results are provided in Table 1 of Attachment C. The executed chain-of-custody form and laboratory data sheets are provided in Attachment D. The samples were submitted for the analyses of benzene, toluene, ethylbenzene, and total xylenes (BTEX) utilizing SW-846 Method 8021, and total petroleum hydrocarbons gasoline range organics (GRO) and diesel range organics (DRO) utilizing SW-846 Method 8015. Envirotech performed the analyses of samples under an adequate and documented quality assurance program to meet the project and data quality objectives.

The site is under the jurisdiction of the NNEPA, generally following the guidelines set forth by the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (OCD). In accordance with the OCD's *Guidelines for Remediation of Leaks, Spills and Releases*, SWG utilized the general site characteristics to determine the appropriate "ranking" for the Site. The ranking criteria and associated scoring are provided in the table below:

Rankin	g Criteria		Ranking Score				
	<50 feet	20					
Depth to Groundwater	50 to 99 feet	10	20				
	>100 feet	0					
Wellhead Protection Area • <1,000 feet from a water	Yes	20					
source, or; <200 feet from private domestic water source.	No	0	О				
Distance to Surface Water	<200 feet	20					
Distance to Surface Water Body	200 to 1,000 feet	10	10				
Body	>1,000 feet	О					
Total Rar	Total Ranking Score						

Based on SWG's evaluation of the scoring criteria, the Site would have a Total Ranking Score of **30**. This ranking is based on the following:

- The depth to the initial groundwater-bearing zone is estimated to be less than 50 feet at the Site, based on the proximity of the Gallegos Canyon wash to the east.
- No water wells were identified on the State Engineer's water rights web site within one
  mile of the Site.
- The release occurred adjacent to a dry unnamed ephemeral wash that drains into Gallegos Canyon approximately 700 feet from the release site. The Gallegos Canyon wash ultimately drains into the San Juan River, approximately 3.2 miles to the north.

During the completion of a 1,000-foot receptor survey, SWG inspected the Site vicinity for dwellings, schools, hospitals, day care centers, nursing homes, businesses, parks and/or recreational areas, located within 1,000 feet of the Site. In addition, SWG evaluated the presence of sensitive ecological receptors such as surface water bodies, wildlife sanctuaries and/or



wetlands areas located within 1,000 feet of the Site. Gallegos Canyon wash, located 700 to 800 feet east of the Site, and the unnamed arroyo located adjacent to the Site are located within a 1,000 feet radius of the Site. No dwellings, schools, hospitals, day care centers, nursing homes, parks, recreational areas, or wildlife sanctuaries were observed within 1,000 feet of the Site.

SWG compared the TPH GRO/DRO and BTEX concentrations or laboratory reporting limits (RLs) associated with the confirmation soil samples collected from the excavation to the OCD *Remediation Action Levels* for Sites having a total ranking score of >20. The results of the soil sample analyses are summarized in Table 1 included in Attachment C.

#### Total Petroleum Hydrocarbons

Soil samples S-1, S-2, S-4, S-5, S-7, and S-8 did not exhibit TPH GRO/DRO concentrations above the OCD's *Remediation Action Level* of 100 mg/kg.

Soil samples S-3 and S-6 exhibited combined TPH GRO/DRO concentrations of 1,900 mg/kg and 5,670 mg/kg, respectively, which are above the OCD's *Remediation Action Level* of 100 mg/kg. The portion of the excavation represented by these samples was over-excavated and resampled (samples S-9 and S-10). Samples S-9 and S-10 did not exhibit TPH GRODRO concentrations above the OCD's *Remediation Action Level* of 100 mg/kg.

### Benzene and Total BTEX

Soil samples S-1, S-2, S-4, S-5, S-7, and S-8 through S-5 did not exhibit benzene, toluene, ethylbenzene, total xylenes, or total BTEX concentrations above the OCD's *Remediation Action Levels*.

Soil samples S-3 and S-6 exhibited total BTEX concentrations of 54.2 mg/Kg and 132 mg/Kg, respectively, which are above the OCD's *Remediation Action Level* of 50 mg/Kg. The portion of the excavation represented by these samples was over-excavated and re-sampled (samples S-9 and S-10). Samples S-9 and S-10 did not exhibit total BTEX concentrations above the OCD's *Remediation Action Level* of 50 mg/Kg.

 Based on the results of corrective actions and laboratory analyses, no additional investigation or remediation appears warranted at this time.

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

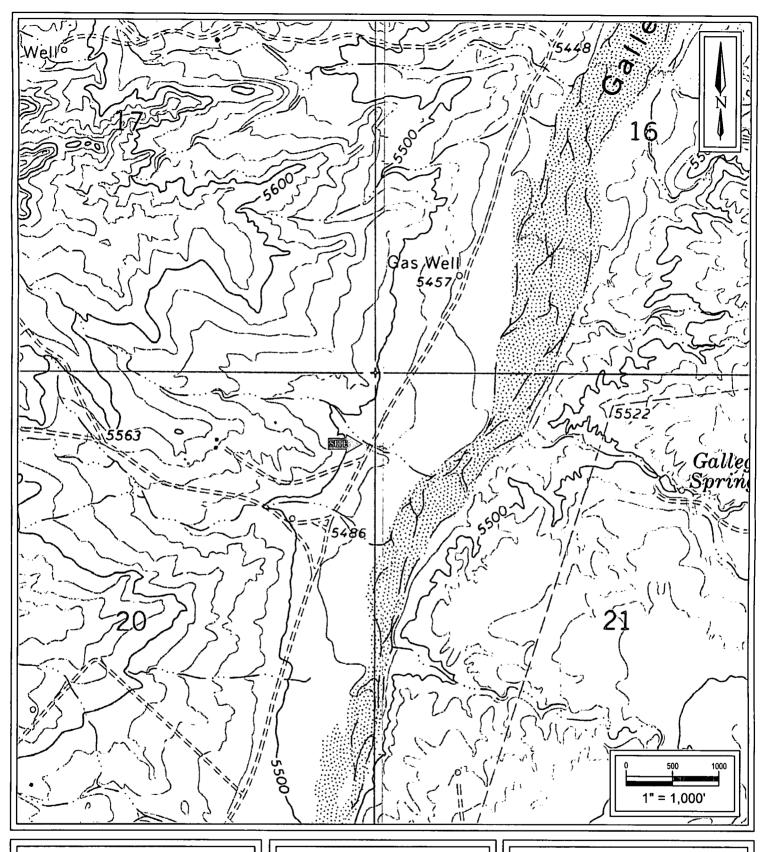
Sincerely,

Southwest Geoscience

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

B. Chris Mitchell, P.G. Principal Geoscientist

3.Cli

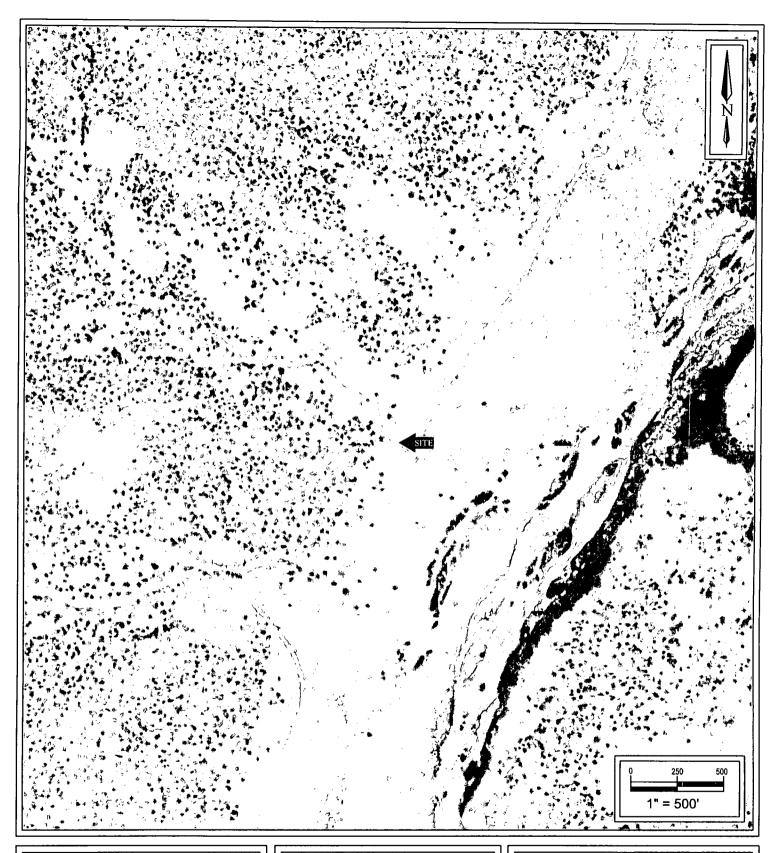


Lateral 6B-15 Pipeline Release Rural San Juan County, Navajo Nation, New Mexico

SWG Project No. 0413G016

Southwest

Figure 1 Topographic Map Farmington South Quadrangle And Horn Canyon Quadrangle 1965

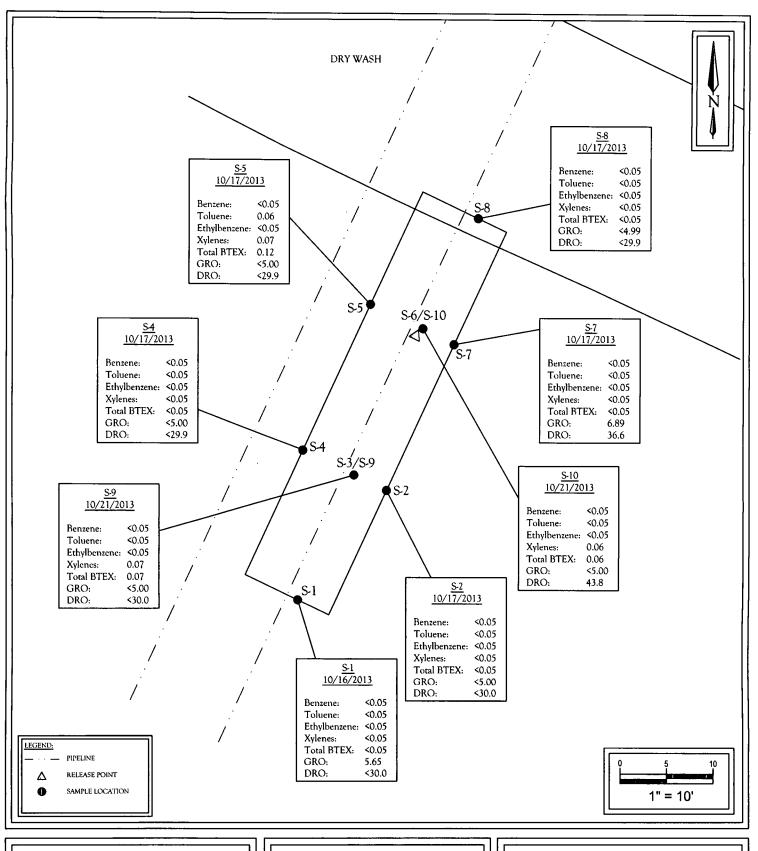


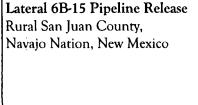
Lateral 6B-15 Pipeline Release Rural San Juan County, Navajo Nation, New Mexico

Southwest

Figure 2 Site Vicinity Map 2011 Aerial Photograph

SWG Project No. 0413G016

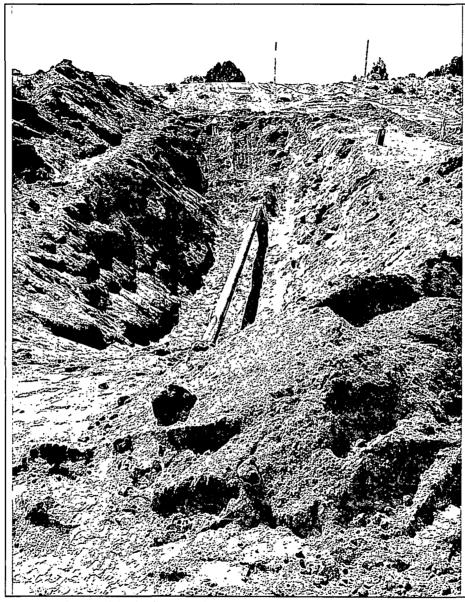




SWG Project No. 0413G016

Southwest

Figure 3
Site Map with Soil
Analytical Results



1.) General view of the final extent of excavation and repaired pipeline.



## TABLE 1 Lateral 6B-15 Pipeline Release SOIL ANALYTICAL RESULTS

Sample I.D.	Date	Sample Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)
New Mexico Energy, Mine	rals & Natural Resources Depar Remediation Action Leve	rtment, Oil Conservation Division, el	10	NE	NE	NE	50	10	00
		Confirmatio	n Samples From S	oils Which Were l	Removed by Excavat	ion			
S-3	10.17.13	6.0	1.03	13.4	3.59	36.2	54.2	157	1,740
S-6	10.17.13	7.0	2.13	44.9	9.68	74.6	132	450	5,220
		Cor	firmation Sample	s From Soils Rem:	aining in Place				
S-1	10.16.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	5.65	<30.0
S-2	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	<5.00	<30.0
S-4	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	<5.00	<29.9
S-5	10.17.13	6.0	<0.05	0.06	<0.05	0.07	0.12	<5.00	<29.9
S-7	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	6.89	36.6
S-8	10.17.13	6.0	<0.05	<0.05	<0.05	<0.05	<0.05	<4.99	<29.9
S-9	10.21.13	10.0	<0.05	<0.05	<0.05	0.07	0.07	<5.00	<30.0
S-10	10.21.13	15.0	<0.05	<0.05	<0.05	0.06	0.06	<5.00	43.8

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

NE = Not Established

<sup>\* =</sup> This area was subsequently over-excavated



# **Analytical Report**

## **Report Summary**

Client: Southwest Geoscience

Chain Of Custody Number: 16228

Samples Received: 10/17/2013 3:30:00PM

Job Number: 07174-0003 Work Order: P310071

Project Name/Location: 6B-15

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date:

10/21/13

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.



2351 W. Northwest Hwy Dallas TX, 75220 Project Name:

6B-15

Project Number: Project Manager: 07174-0003 Kyle Summers

Reported:

21-Oct-13 14:05

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1	P310071-01A	Soil	10/16/13	10/17/13	Glass Jar, 4 oz.
S-2	P310071-02A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-3	P310071-03A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-4	P310071-04A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-5	P310071-05A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-6	P310071-06A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-7	P310071-07A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.
S-8	P310071-08A	Soil	10/17/13	10/17/13	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

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

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

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

envirotech-inc.com laboratory@envirotech-inc.com



Project Name:

6B-15

2351 W. Northwest Hwy Dallas TX, 75220 Project Number: Project Manager: 07174-0003

Kyle Summers

**Reported:** 21-Oct-13 14:05

S-1

### P310071-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	····								
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND_	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		98.3 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.6 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	5.65	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	5.65	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

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5796 US Highway 64, Farmington, NM 87401

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

envirotech-inc.com laboratory@envirotech-inc.com



Dallas TX, 75220

Project Name:

6B-15

2351 W. Northwest Hwy

Project Number: Project Manager: 07174-0003

**Kyle Summers** 

**Reported:** 21-Oct-13 14:05

# S-2

# P310071-02 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021				-					
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene	-	94.1 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.4%	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015								<del></del> .	
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	



Project Name:

6B-15

2351 W. Northwest Hwy Dallas TX, 75220 Project Number: Project Manager: 07174-0003 Kyle Summers Reported:

21-Oct-13 14:05

## S-3 P310071-03 (Solid)

Andre	D14	Reporting	11-24-	Dilector	Datab	D	A Horaco d	North - 1	Massa
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	1.03	0.05	mg/kg	i	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	13.4	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	3.59	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	26.4	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	9.73	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	36.2	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	54.2	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		179 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		127 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	157	4.99	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	1740	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	1900	4.99	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

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Dallas TX, 75220

Project Name:

6B-15

2351 W. Northwest Hwy

Project Number: Project Manager: 07174-0003 Kyle Summers **Reported:** 21-Oct-13 14:05

S-4

### P310071-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021			<u>.</u>						
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		89.0 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		86.8 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

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Project Name:

6B-15

2351 W. Northwest Hwy Dallas TX, 75220 Project Number: Project Manager: 07174-0003 Kyle Summers

Reported:

21-Oct-13 14:05

## S-5 P310071-05 (Solid)

Analyta	Pasult	Reporting Limit	Unite	Dilutio-	Datah	Dropored	Analyzad	Mathad	Note:
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	0.06	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	0.07	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	0.07	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	0.12	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		97.8 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		95.2 %	80-120		1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	



Project Name:

6B-15

2351 W. Northwest Hwy Dallas TX, 75220 Project Number: Project Manager: 07174-0003

Kyle Summers

Reported: 21-Oct-13 14:05

# S-6

# P310071-06 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	2.31	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	44.9	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	9.68	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	54.6	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	20.0	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	74.6	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	132	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		154 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	S-02
Surrogate: Bromochlarobenzene		128 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	450	4.99	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	·
Diesel Range Organics (C10-C28)	5220	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	5670	4.99	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

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Dallas TX, 75220

Project Name:

6B-15

2351 W. Northwest Hwy

Project Number:

07174-0003

Project Manager:

Kyle Summers

**Reported:** 21-Oct-13 14:05

S-7

# P310071-07 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021				***					
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		91.9 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		92.3 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015					-		_		
Gasoline Range Organics (C6-C10)	6.89	5.00	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	36.6	30.0	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	43.5	5.00	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

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Project Name:

6B-15

2351 W. Northwest Hwy Dallas TX, 75220 Project Number: Project Manager: 07174-0003 Kyle Summers

Reported: 21-Oct-13 14:05

S-8

# P310071-08 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: Bromochlorobenzene		95.2 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		92.4 %	80-	120	1342029	10/18/13	10/18/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1342029	10/18/13	10/18/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1342028	10/18/13	10/18/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg		[CALC]	10/18/13	10/18/13	EPA 8015D	

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2351 W. Northwest Hwy

Dallas TX, 75220

Project Name:

6B-15

Project Number:

07174-0003

Project Manager:

Kyle Summers

Reported: 21-Oct-13 14:05

# Volatile Organics by EPA 8021 - Quality Control

# **Envirotech Analytical Laboratory**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1342029 - Purge and Trap EPA 5030A										
Blank (1342029-BLK1)				Prepared: 1	7-Oct-13	Analyzed:	18-Oct-13			
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	**							
Ethylbenzene	ND	0.05	**							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	47.4		ug/L	50.0		94.7	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			
Duplicate (1342029-DUP1)	Sou	rce: P310070-	01	Prepared: 1	7-Oct-13	Analyzed:	18-Oct-13			
Benzene	ND	0.05	mg/kg		ND				30	_
Γoluene	0.05	0.05	n		0.05			0.255	30	
Ethylbenzene	ND	0.05	n		ND				30	
p,m-Xylene	0.09	0.05	**		0.06			39.7	30	D1
o-Xylene	ND	0.05	**		ND				30	
Surrogate: 1,3-Dichlorobenzene	49.0		ug/L	50.0		98.0	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			
Matrix Spike (1342029-MS1)	Sou	rce: P310070-	01	Prepared: 1	7-Oct-13	Analyzed:	18-Oct-13			
Benzene	56.6		ug/L	50.0	0.64	112	39-150			
Toluene	59.8		**	50.0	1.00	118	46-148			
Ethylbenzene	59.2		"	50.0	0.15	118	32-160			
o,m-Xylene	118		*	100	1.20	117	46-148			
o-Xylene	59.0		**	50,0	0.52	117	46-148			
Surrogate: 1,3-Dichlorobenzene	48.7		"	50.0		97.5	80-120	<u> </u>		
Surrogate: Bromochlorobenzene	50.3		"	50.0		101	80-120			

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Project Name:

6B-15

2351 W. Northwest Hwy

Project Number: 07174-0003 Project Manager:

Reported:

Dallas TX, 75220

Kyle Summers

21-Oct-13 14:05

# Nonhalogenated Organics by 8015 - Quality Control

### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1342028 - DRO Extraction EPA 3550C	,									
Blank (1342028-BLK1)				Prepared: 1	7-Oct-13	Analyzed: 1	8-Oct-13			
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg						7	
Duplicate (1342028-DUP1)	Sourc	e: P310070-0	01	Prepared: 1	7-Oct-13	Analyzed: 1	8-Oct-13			
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1342028-MS1)	Sourc	e: P310070-	01	Prepared: 1	7-Oct-13	Analyzed: 1	8-Oct-13			
Diesel Range Organics (C10-C28)	251		mg/L	250	8.82	96.7	75-125			

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Project Name:

6B-15

2351 W. Northwest Hwy Dallas TX, 75220 Project Number:

07174-0003

Project Manager:

Kyle Summers

**Reported:** 21-Oct-13 14:05

### Nonhalogenated Organics by 8015 - Quality Control

### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1342029 - Purge and Trap EPA 5030A										
Blank (1342029-BLK1)				Prepared:	17-Oct-13	Analyzed: 1	8-Oct-13	_		_
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							-
Duplicate (1342029-DUP1)	Sour	ce: P310070-	01	Prepared:	17-Oct-13	Analyzed: 1	8-Oct-13			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1342029-MS1)	Sour	ce: P310070-	01	Prepared:	17-Oct-13	Analyzed: 1	8-Oct-13			
Gasoline Range Organics (C6-C10)	0.54		mg/L	0.450	0.06	107	75-125			



Dallas TX, 75220

Project Name:

6B-15

2351 W. Northwest Hwy

Project Number: Project Manager: 07174-0003

**Kyle Summers** 

**Reported:** 21-Oct-13 14:05

### **Notes and Definitions**

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present

in the sample extract.

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

16228 CHAIN OF CUSTODY RECORD Client: SWG/EPROD Project Name / Location: ANALYSIS / PARAMETERS Sampler Name: Kye Summers VOC (Method 8260) RCRA 8 Metals CO Table 910-1 TCLP with H/P Client No.: 07174 -0003 Client Phone No.: 903 821 5603 Sample Intact Sample Cool TPH (418.1) CHLORIDE Sample Sample Preservative No./Volume Sample No./ Identification Lab No. of Containers HNO<sub>3</sub> Date Time 1300 1X402. 12310071-01 10/17/13/1400 P310071-02 \$310<u>071-03</u> 5-4 P310071-04 P310071-05 P310071-06 P310071-07 5-8 P310071-08 18/17/15 1530 Relinquished by: (Signature) Received by: (Signature) Date Time neway for 10/17/13/15:30 Relinquished by: (Signature) Received by: (Signature) Rush - Direct Lill EPROD Sample Matrix Solid Sludge Aqueous Other envirotech cc 15-404 ☐ Sample(s) dropped off after hours to secure drop off area.



# **Analytical Report**

# **Report Summary**

Client: Enterprise Products

Chain Of Custody Number: 16248

Samples Received: 10/21/2013 4:50:00PM

Job Number: 97057-0352 Work Order: P310085

Project Name/Location: 6B-15

Entire Report Reviewed By:

Date: 10/22/13

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.



Farmington NM, 87401

Project Name:

6B-15

614 Reilly Ave

Project Number:

97057-0352

Project Manager:

Kyle Summers-SW Geoscience

Reported: 22-Oct-13 14:59

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-9	P310085-01A	Soil	10/21/13	10/21/13	Glass Jar, 4 oz.
S-10	P310085-02A	Soil	10/21/13	10/21/13	Glass Jar, 4 oz.



Farmington NM, 87401

Project Name:

6B-15

614 Reilly Ave

Project Number:

97057-0352

Project Manager:

Kyle Summers-SW Geoscience

Reported:

22-Oct-13 14:59

# S-9 P310085-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
p,m-Xylene	0.07	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Total Xylenes	0.07	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Total BTEX	0.07	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Surrogate: Bromochlorobenzene		85.3 %	80-	120	1343007	10/22/13	10/22/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		87.0 %	80-	120	1343007	10/22/13	10/22/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1343008	10/22/13	10/22/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg		[CALC]	10/22/13	10/22/13	EPA 8015D	

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Project Name:

6B-15

614 Reilly Ave

Project Number:

97057-0352

Kyle Summers-SW Geoscience

Farmington NM, 87401 Project Manager:

Reported: 22-Oct-13 14:59

# S-10 P310085-02 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	<u> </u>								
Benzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
p,m-Xylene	0.06	0.05	mg/kg	l	1343007	10/22/13	10/22/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Total Xylenes	0.06	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Total BTEX	0.06	0.05	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8021B	
Surrogate: Bromochlorobenzene		85.6 %	80-	120	1343007	10/22/13	10/22/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		83.3 %	80-	120	1343007	10/22/13	10/22/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1343007	10/22/13	10/22/13	EPA 8015D	•
Diesel Range Organics (C10-C28)	43.8	30.0	mg/kg	1	1343008	10/22/13	10/22/13	EPA 8015D	
GRO and DRO Combined Fractions	43.8	5.00	mg/kg		[CALC]	10/22/13	10/22/13	EPA 8015D	

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Farmington NM, 87401

Project Name:

6B-15

614 Reilly Ave

Project Number:

97057-0352

Project Manager:

Kyle Summers-SW Geoscience

**Reported:** 22-Oct-13 14:59

# Volatile Organics by EPA 8021 - Quality Control

# **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1343007 - Purge and Trap EPA 5030A							<u>.</u>			
Blank (1343007-BLK1)				Prepared &	k Analyzed:	22-Oct-13				
Benzene	ND	0.05	mg/kg							•
Toluene	ND	0.05	*							
Ethylbenzene	ND	0.05	н							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05								
Surrogate: 1,3-Dichlorobenzene	50.0		ug/L	50.0		100	80-120	_		
Surrogate: Bromochlorobenzene	51.2		"	50.0		102	80-120			
Duplicate (1343007-DUP1)	Sou	rce: P310084-	01	Prepared &	k Analyzed:	22-Oct-13				
Benzene	1.72	0.05	mg/kg		0.42			122	30	DI
Toluene	27.9	0.05	"		24.8			11.8	30	
Ethylbenzene	7.59	0.05			6.93			9.18	30	
p,m-Xylene	65.6	0.05			61.1			7.11	30	
o-Xylene	14.6	0.05	"		15.5			5.98	30	
Surrogate: 1,3-Dichlorobenzene	64.1		ug/L	50.0		128	80-120			Surrl
Surrogate: Bromochlorohenzene	53.7		"	50.0		107	80-120			
Matrix Spike (1343007-MS1)	Sou	ırce: P310084-	01	Prepared &	k Analyzed:	22-Oct-13				
Benzene	19.9		ug/L	50.0	8.34	23.1	39-150			SPK1
Toluene	465		**	50.0	496	NR	46-148			SPK 1
Ethylbenzene	177		**	50.0	139	76.9	32-160			
p,m-Xylene	1180		**	100	1220	NR	46-148			SPK1
o-Xylene	327		"	50.0	311	32.3	46-148			SPK1
Surrogate: 1,3-Dichlorobenzene	65.4		"	50.0		131	80-120			SPKI
Surrogate: Bromochlorobenzene	53.9		"	50.0		108	80-120			

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5796 US Highway 64, Farmington, NM 87401

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



Project Name:

6B-15

614 Reilly Ave

Project Number:

97057-0352

Reported:

Farmington NM, 87401

Project Manager:

Kyle Summers-SW Geoscience

22-Oct-13 14:59

### Nonhalogenated Organics by 8015 - Quality Control

# **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
- That ye			Olina	Level	Resuit	76KEC	Limits	KI D	Lillit	Hotes
Batch 1343007 - Purge and Trap EPA 5030A	<del></del>									
Blank (1343007-BLK1)				Prepared &	Analyzed:	22-Oct-13				
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg							
Duplicate (1343007-DUP1)	Sour	re: P310084-	01	Prepared &	Analyzed:	22-Oct-13				
Gasoline Range Organics (C6-C10)	767	4.99	mg/kg		633			19.2	30	
Matrix Spike (1343007-MS1)	Sour	e: P310084-	01	Prepared &	Analyzed:	22-Oct-13				
Gasoline Range Organics (C6-C10)	12.4		mg/L	0.450	12.7	NR	75-125			SPK1



614 Reilly Ave

Farmington NM, 87401

Project Name:

6B-15

Project Number:

97057-0352

Project Manager:

Kyle Summers-SW Geoscience

Reported:

22-Oct-13 14:59

# 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 1343008 - DRO Extraction EPA 3550C										
Blank (1343008-BLK1)				Prepared &	: Analyzed:	22-Oct-13				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1343008-DUP1)	Sour	ce: P310084-	01	Prepared &	Analyzed:	22-Oct-13				
Diesel Range Organics (C10-C28)	214	30.0	mg/kg		274			24.5	30	
Matrix Spike (1343008-MS1)	Sour	ce: P310084-	01	Prepared &	Analyzed:	22-Oct-13				
Diesel Range Organics (C10-C28)	459		mg/L	250	260	79.5	75-125			



Project Name:

6B-15

614 Reilly Ave

Project Number:

97057-0352

Farmington NM, 87401

Project Manager: Kyle Summers-SW Geoscience

**Reported:** 22-Oct-13 14:59

### **Notes and Definitions**

Surr1 Surrogate recovery was above acceptable limits.

SPK1 The spike recovery for this QC sample is outside of control limits.

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

		CH	IO NIAL	F CUS	ГС	D	Y	R	E	<b>C</b> (	<b>)</b> F	?E	)			1	62	48			90
Client: EAROR		Pr	roject Name / Location	on:		_	-60	Ser les				A	NALY	/SIS	 / PAF	RAME	ETER	s			0000
Email results to:	-015	Sa	ampler Name: 5	iammel 1				3015)	8021)	8260)					+						
Client Phone No.: 70.3-82/-566		CI	ient No.: 97.05	7-0352				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			e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Pr HNO <sub>3</sub>	reservat HCI	tive	TPH (A	втех	voc (	RCRA	Cation	- 22 - 23	TCLP	со Та	TPH (418.1)	CHLORIDE			Sample	Sampl
5-9	10/21/2	1600	P31008501	12402				×	X											Y	Y
5-10	10/21/17	1605	P310085-00	1 111/				X	t											Y	Ŷ
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Relinquished/by: (Signature)				Date Time	Recei	ived b	y: (S	ignat	ure)								I	LL	Date	i	ime
Relinquished by: (Signature)				<del> </del>	Recei	ived b	y: (S	ignat	ure)		<u>*</u>			<u>.</u>					#)/<(/	<i>D</i> (4	
Sample Matrix Soil Solid Sludge	Aqueous [	] Other [	]		K	70	1-	5,	1-1				 /,		<u>·</u>	<u>.                                      </u>					
Sample(s) dropped off after		·	off area.	env Anal						uran	20,0	<b>⊘ X</b>	301 ·	labo	RE 75	3 2) -40 (@en	12 14	00	.com		

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

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

			Rele	ease Notifi	catio	n and Co	orrective A	Actio	on		
						OPERA'	TOR			al Report	☐ Final Repo
		Enterprise Fi					nomas Long				
		Ave, Farmin					No. 505-599-22				
Facility Nai	me: GCU	#273 Well 1	ie/Later	al 3E-1		Facility Typ	e: Natural Ga	s Gat	hering Line	<u> </u>	
Surface Ow	ner: Nava	jo Tribal A	llotment	Mineral (	Owner:	Navajo Tri	bal		API No		
				LOC	ATIO	OF RE	LEASE				
Unit Letter A	Section 31	Township 28N	Range 12W	Feet from the 1132	North	South Line	Feet from the 92	East	West Line	County San Juan	
		Latit	tude <u>3</u>	6.622800		_ Longitud	e <u>-108.1443</u>	60		_	
				NAT	TURE	OF RELI	EASE				
		l Gas and Nat		iquids		Determine				Lecovered: Unk	
Source of Re	lease: Susp	ected internal	corrosion			1	our of Occurrent 12:30 p.m.	ce:	Date and 1:30 p.m.	Hour of Discov	rery: 7/2/2014 @
Was Immedia	ate Notice (		Yes 🗌	No 🛛 Not R	equired	If YES, To	Whom? Courtes in - NNEPA	sy Noti		MOCD – Cory	Smith, NAPI;
By Whom? T						Date and H	our Courtesy No	tificati	on 7/9/2014 (	OF CONS	DIV DIST. 3
Was a Water	course Reac		Yes 🛛	No.		If YES, Vo	lume Impacting	the Wa	itercourse		
		لــا		140						JUL 9	2 1 2014
Describe Area pipeline. The 6 feet long wa party environs I hereby certif	a Affected a leak was ve as affected. mental cont fy that the in	and Cleanup A crified and the The excavation ractor correction	nction Take pipeline von and repa ive action ven above	en.*: Enterprise parts of pipeline arreport.  is true and comp	personnel and app e current	responded a lied lock out ly being sche e best of my l	tag out was appl duled. A "final" knowledge and u	ied, A c-141 indersta	surface area owill be submitted	of approximatel itted upon recei	y 2 feet wide by pt of the third  D rules and
public health should their o	or the envir perations ha ment. In ac	onment. The ave failed to a dition, NMO	acceptance dequately CD accept	e of a C-141 repoint of the certain	ort by the emediate	NMOCD ma contamination	rked as "Final R on that pose a thr	eport" eat to g	does not relie ground water,	ve the operator surface water,	of liability human health
							OIL CON	SERV	VATION	DIVISION	/1/
Signature						approved by I	Environmental S	pecialis	st:	effr	in
Printed Name	Ivan W. 2	Zirbes					- / /			7 0	
Title: Sr. Dir	ector, Envi	ronmental			A	pproval Date	: 7/25/1		Expiration D	ate:	
E-mail Addres	ss:snolan@	eprod.com	·		C	onditions of	Approval:		•	Attached 🗌	
Date: フー	16-20	14	Phone:	(713)381-6595						!	
Attach Additi	onal Shee	ts If Necessa			4	NCS 12	120 655	420	<u> </u>	<u> </u>	

District I 1625 N. Franch Gr., Hobbs, NM 88240 District II
811 6. First St., Artesia, NM 88210
District III 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Revised August 8, 2011

Form C-141

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

Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, NM 87505

		F	Releas	e Notific	ation	n and C	orrective	Acti	on		
					OP	ERATO	₹	Σ	Initial	Report	☐ Final Rep
		Enterprise I					homas Long				
		Ave, Farmir	ngton, NN	<u>// 87401</u>			No. 505-599-2		<del> </del>		
Facility Na	ne: Later	ai 3B-28	<del></del>	<del></del>		Facility Lyp	e: Natural Ga	s Gat	nering L	ine	N DIST. 3
Surface Ov	vner: <b>Priv</b>	ate		Mineral (	Owner:	BLM			ARM	COMO-	
,						OF REL	EASE			JUL 2	¥ 5014
Unit Letter	Section 25	Township 29N	Range 10W	Feet from the	North Line	South	Feet from the	East/ Line	Vest	County San Jua	
L				905	<u> </u>		842	L		<u> </u>	
	•	Latitude_	36.69	2349		_ Longitud	le <u>-107.842</u>	<u> 714                                    </u>			
				NAT	URE	OF RELI					
Type of Rel							Release: 11.2				: Unknown
<u> </u>	<u>-</u>	spected inter	nal corrosi	on		7/7/2014	Hour of Occurre <b>4:30 p.m.</b>		@ 6:30	p.m.	Discovery: <b>7/7/201</b>
Was Immed	iate Notice		—————————————————————————————————————			If YES, To	Whom? Notific	ation to	NMOCD	<ul><li>Cory Sr</li></ul>	nith,
Required			⊠ Yes	□ No □ N	NO1	}					
By Whom?	Thomas Lo	ng				Date and	Hour Notification	n 7/8/2	014 @ 9:0	00 a.m.	
Was a Wate	rcourse Re					If YES, Vo	olume Impacting	the W	atercours	Э	
, or 1, 7 or .			☐ Yes	⊠ No							
		npacted, Des									
- Describe Ca	use of Prol	blem and Re	medial Act	tion: On 7/7/2	014, En	terprise per	sonnel responde	d to a	possible li	ne leak on	lateral 2B-28, a
							scope on 7/8/20		ut tag out	was applie	ed and conducted
	. p. 000a. 0				u. o 1001	g and gao	00000 011 770/20				
Describe Ar	ea Affected	and Cleanu	o Action Ta	aken.*: Enterr	orise per	rsonnel resp	onded to a poss	sible lin	e leak on	lateral 2B-	28. a Class II
Jurisdictiona	ıl area. The	Enterprise to	echnicians	on site isolat	ed the p	pipeline and	applied lock out	tag ou	ıt was app	lied. No lic	uids were visible
		The excavati ntractor corre			ne are b	eing schedu	uled. A "final" c-1	141 will	be submi	itted upon	receipt of the third
					complet	te to the bes	t of my knowled	ge and	understa	nd that pui	rsuant to NMOCD
rules and re	gulations a	ll operators a	re require	d to report and	d/or file	certain relea	ase notifications	and pe	erform cor	rective act	ions for releases
											al Report" does no nat pose a threat t
							OCD acceptant				
operator of i	espon <u>sibili</u>	ty for complia	ance with a	any other fede	ral, stat	e, or local la	ws and/or regul				
							OIL CON	SER\	/ATION	DIVISI	
Signature:									/!	7 .	11 6
						Approved by	/ Environmental	Specia	alist:	my -	M
Printed Nam	ie: Ivan W.	Zirbes						<del></del>		<del>/ ) =</del>	
Title: Sr. Dir	ector, Envi	ronmental				Approval Da	te: 7/24/1	4	Expiration	Date:	
F-mail Addr	ess:snolan	@eprod.com				Conditions of	of Approval:				
							· · · · · · · · · · · · · · · · · · ·			Attache	ed 🔲
Date: 7	-/7-	12/4	Phon	e: (713)381-6	595						
Date: 7 Attach Addi	tional She	ets If Neces	sary	J. 1. 10/001-0		11015	142065	<u></u>	17		
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<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> District II
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# State of New Mexico **Energy Minerals and Natural** Resources

Form C-141 Revised August 8, 2011

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

Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr.

		R	elease	Notification	on	and Cor	rective A	ction	
						ERATOR		Initial	Report 🛛 Final Report
		nterprise Fi				Contact: Thon		00	
		Ave, Farmin al C-7 Pipe		3/401			. 505-599-22 Natural Gas		lino
							ivaturai Gas	Oather Fipe	mie
Surface Ov	wner: <b>BLM</b>			Mineral Owne	er: I	BLM		API N	).
			T		_	OF RELEA			
Unit Letter	Section 1	Township 27N	Range 9W	Feet from the	Lit	orth South	Feet from the	East West Line	County San Juan
	'	2714	344	431	LII	IC	2,394	Lille	San Suan
		Latitude	36.610°	10		Longitude	-107.74052	OIL C	ONS. DIV DIST. 3
		_				OF RELEA			•
Type of Rele	ease: Natu	ral gas and as	sociated lic				elease: 445.31	Volume	UL 2, 4, 2014 Recovered: None
Course of D	alagas, Inta	rnal corrosior	of the nine	lina		MCF	of Oppure	Data an	d Harris of Diagrams
Source of K	elease. Hite		i oi tile pipe			12/9/2013	ur of Occurrence		d Hour of Discovery: I <b>3 @10:30 a.m.</b>
Was Immed	liate Notice	_	☑ Yes □	No □ Not		If YES, To W	hom? Brandon	Powell – NMC	OCD, Sherrie Landon -BLM
Required		K	7 ies [_	No ☐ Not					
By Whom?							ur 12/9/13 @ 1		
Was a Wate	ercourse Re		⊠ Yes □	l No		If YES, Volun	ne Impacting th	ne Watercours	Э.
		V	☑ 1e3 □	, 110					
If a Waterco		npacted, Des	cribe Fully.*	A small unname	ed e	phemeral was	h intersects CF	R 7007 and the	release area. There were no
isolated, de	pressurized	and lock out	tag out was		lea				C-7 pipeline. The line was Repairs began for week of
Approximate April 4, 2014 yards of hyd excavation i	ely 234 cubi 4 the releas Irocarbon in measured 8	c yards of hyd e site was del npacted soil w	drocarbon in ineated using as excavat 48 feet wic	mpacted soil was ng direct push te ed and transport	s ex chr ted	cavated and tr lology. From Ji to a NMOCD a	ansported to a une 14, 2014 to approved land f	NMOCD appropriate NMOCD approp	December 2013. oved landfarm facility. On 4, an additional 1, 984 cubic proper disposal. The final rty environmental contractor
I hereby cer rules and re which may e relieve the c ground wate	tify that the gulations all endanger pu pperator of li er, surface v	information g I operators ar ublic health or ability should vater, human	iven above e required t the enviror their opera health or th	o report and/or fine nment. The acce tions have failed	ile d epta to a In a	certain release ince of a C-141 adequately invalidition, NMOC	notifications and restigate and re CD acceptance	nd perform cor NMOCD mark emediate conta of a C-141 re	nd that pursuant to NMOCD rective actions for releases ed as "Final Report" does not mination that pose a threat to port does not relieve the
		177	/ /,		T		OIL CONSI		I DIVISION
Signature:		16. to	del		İ				1./11.
Printed Nan	no: lon E E	ialds	~ V	*****	A	approved by Er	nvironmental S	pecialist:	Mis I
					1	unuaval Data	7/30/14	Evaluation	Deta
Title: Directo	or, <b>⊵nvironn</b>	nemai			+	pproval Date:	1/20/14	Expiration	Date.
E-mail Addr	ess: jefields	@eprod.com			_	Conditions of A	pproval:		Attached
Date: 7	121/20	uf	Phone: (	713) 381-6684					
Attach Addi	itional She	ets If Neces	sary		#	1NCS 1412	11 3642	2 SAN	SAUN Facility (200)

# Enterprise Products Lateral C-7 Pipeline Release Latitude North 36.61010°, Longitude West -107.74052° Lot 1 Section 1 T27N R9W San Juan County, New Mexico July 9, 2014



### **Submitted To:**

Enterprise Products Field Environmental-San Juan Basin 614 Reilly Avenue Farmington, NM 87401

# Submitted By:

Souder, Miller & Associates 401 West Broadway Farmington, NM 87401 (505)325-7535

OIL CONS. DIV DIST. 3

JUL 2 4 2014



# **Table of Contents**

1.0	Executive Summary	1
2.0	Introduction	1
3.0	Site Ranking and Land Jurisdiction	2
4.0	Summary of Field Activities	2
5.0	Conclusions and Recommendations	3
6.0	Closure and Limitations	3

# Figures:

Figure 1: Vicinity Map

Figure 2: Site Map

Figure 3: Geoprobe Delineation Map

Figure 4: Soil Contaminant Concentration Map

### Tables:

Table 1: Release Information

Table 2: Site Ranking

Table 3: Summary of Field Screening Results

Table 4: Summary of Laboratory Analysis

# Appendices:

Appendix A: Field Notes

Appendix B: Site Photography

Appendix C: Soil Disposal Documentation Appendix D: Laboratory Analytical Reports

### 1.0 Executive Summary

On June 16 through June 24, 2014 Souder, Miller & Associates (SMA) oversaw the excavation of a hydrocarbon release associated with the Lateral C-7 pipeline initially reported on December 5, 2013. An initial excavation to repair the pipeline proceeded during the month of December, 2013, but due to permitting and access to excavate within the nearby San Juan County Road 7007, the excavation ceased. The table below summarizes information about the recent remediation activities.

	TABLE 1:	RELEASE INFOR	MATION		
Name		Lateral C-7	Pipeline F	Release	· · · · · · · · · · · · · · · · · · ·
	Latitude	e/Longitude	Se	ction, Towr	nship, Range
Location	36.61010°	-107.74052°	Lot 1	Section 1	T 27N, R 9W
Date Reported	December 5, 2	013			
Reported to	Tom Long				
Land Owner	Bureau of Land	d Management (BLI	M)	<u> </u>	*******
Reported To	BLM, NM Oil C	onservation Division	n (NMOC	D)	
Diameter of Pipeline	10 inches				
Source of Release	Internal Corros	ion, Faulty Spiral W	Velds		
Release Contents	Natural Gas Li	quids/Condensate			
Release Volume	Unknown				
Nearest Waterway	Unnamed Trib	utary Wash to Bland	co Wash		
Depth to Groundwater	Assumed to be	e less than 50 feet			
Nearest Domestic	Greater than 1	,000 feet			
Water Source					
NMOCD Ranking	40				
SMA Response Dates	12/6-12/7/13, <i>1</i>   6/24/14	12/9-12/14/13 and 1	2/16/13;	6/16-6/20/1	14 and 6/23-
Subcontractors	Energy Mainte	nance Services (EN	MS)		
Disposal Facility	Envirotech Lar	ndfarm			
Yd <sup>3</sup> Contaminated Soil Excavated and Disposed	2,218 Total: 23	34 yards³ Decembe	r 2013; 19	984 yards³	June 2014

### 2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the Lateral C-7 pipeline. The C-7 pipeline release was a result of internal corrosion of the 10-inch, steel pipeline. In all, 10 release points were identified in an approximately 30 foot section of the 10-inch steel pipeline during the December, 2013, excavation and repairs. The release was initially reported on December 5, 2013. The pipeline is located in Lot 1, Section 1, Township 27 North, Range 9

West; 36.61010°, -107.74052°, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

# 3.0 Site Ranking and Land Jurisdiction

The release site is located in an unnamed tributary wash of Blanco Wash on land managed by the Bureau of Land Management with an elevation of approximately 5,916 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs). Figure 2 depicts the site location.

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. No wells were located within 1,000 feet of the site. However, 10 wells were located within a 1 mile radius of the site. The physical location of this release is within the jurisdiction of the Bureau of Land Management.

This release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

### 4.0 Summary of Field Activities

On December 6-7, 2013, December 9-14, 2013, and December 16, 2013 SMA mobilized to the release site to oversee excavation activities during the repair of the Pipeline. On April 4, 2014, SMA employed a Geoprobe<sup>®</sup> direct push drill rig to further delineate the subsurface release. A map of the direct push delineation is illustrated in Figure 3.

On June 16, SMA oversaw and directed the excavation of hydrocarbon impacted soils by Energy Maintenance Services (EMS). SMA guided the excavation activities by collecting soil samples for field screening with a calibrated photo-ionization detector (PID). Table 3 summarizes the field screening results. Field notes are included in Appendix A.

Soil samples were initially field screened with a calibrated PID. Samples suspected of hydrocarbon contamination below regulatory standards were submitted for conformation laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Envirotech Analytical Laboratory in Farmington, New Mexico. Figure 4 illustrates the extent of the excavation and composite soil sample locations and laboratory results.

The final excavation dimensions were approximately 83 feet long by 48 feet wide and up to 33.5 feet deep, covering an area of approximately 3,800 square feet. In total, approximately 2,218 cubic yards of material were excavated. During the December, 2013 approximately 234 cubic yards of hydrocarbon contaminated soil were excavated and transported for disposal. During June, 2014 approximately 1,984 cubic yards of soil were hauled to Envirotech Land Farm near

Bloomfield, New Mexico for proper disposal and replaced with clean backfill material. Soil disposal documentation is included in Appendix C. Site photography is included in Appendix B.

### 5.0 Conclusions and Recommendations

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 40: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH.

Laboratory analytical results for all samples collected during the June, 2014 excavation indicate concentrations below NMOCD Guidelines with the exception of those collected from the east base (SC-132 Base Mid of E Wall @ 23') and east wall (E Wall Mid @ 6-23') on June 23, 2014. The locations of these two samples were further excavated on June 24, 2014, and additional samples were collected and submitted for laboratory analysis. Specifically, the base of the excavation was further excavated to 33.5 feet bgs and the east wall was excavated approximately 6 feet further to the east. The subsequent samples collected from these two locations were submitted for laboratory analysis on June 24, 2014. The subsequent sample results were below NMOCD/BLM Guidelines for benzene, BTEX and TPH. During the excavation, continued reporting of laboratory results and correspondence from Enterprise and SMA with the BLM allowed for approved backfilling as the excavation continued. The backfilling of the excavation was completed on June 27, 2014.

Soil contaminant concentrations are illustrated in Figure 4. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further activities at the Lateral C-7 site.

### 6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment, verification of release stabilization, regulatory liaison, oversight and control of remediation operations, disposal arrangements and documentation, project management, and preparation of this summary report. All work has been performed in accordance with generally accepted professional environmental consulting practices.

If there are any questions regarding this report, please contact either Steve Moskal or Reid Allan at 505-325-7535.

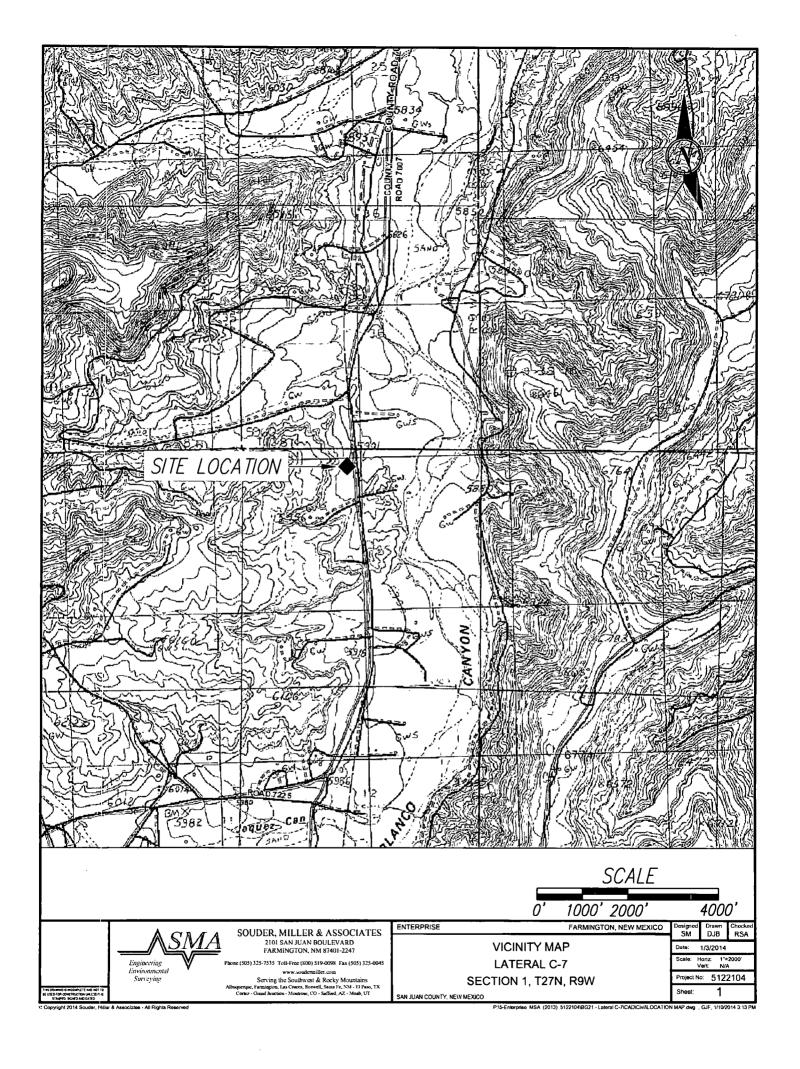
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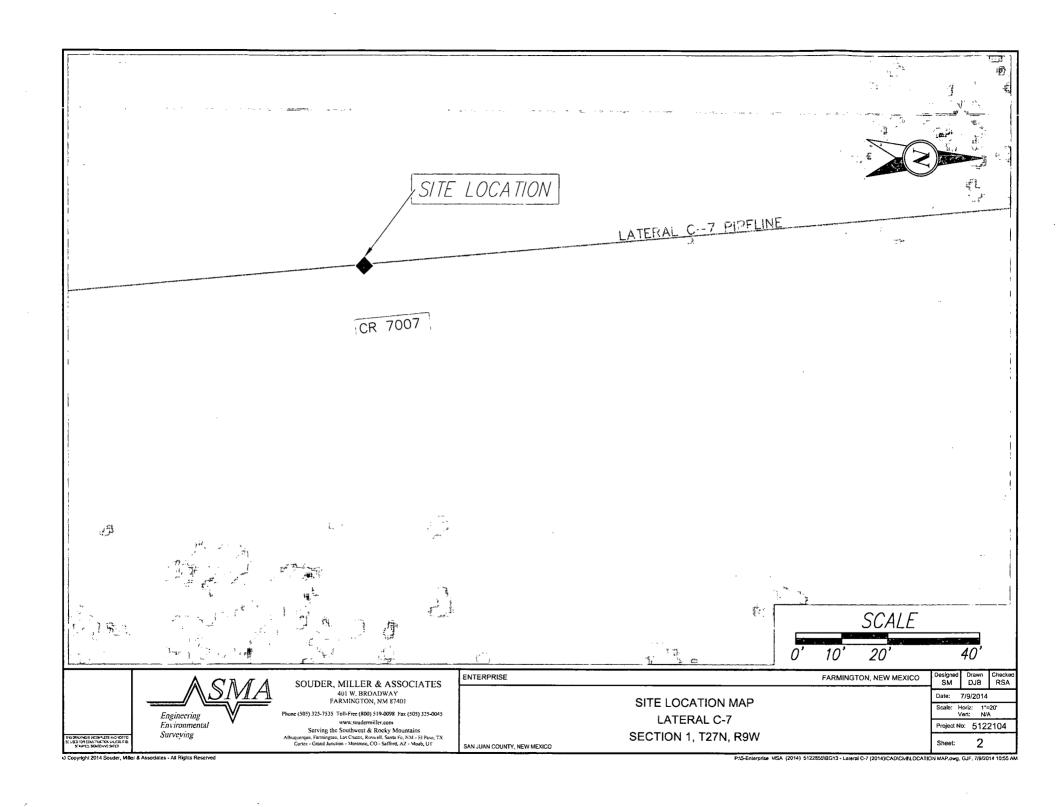
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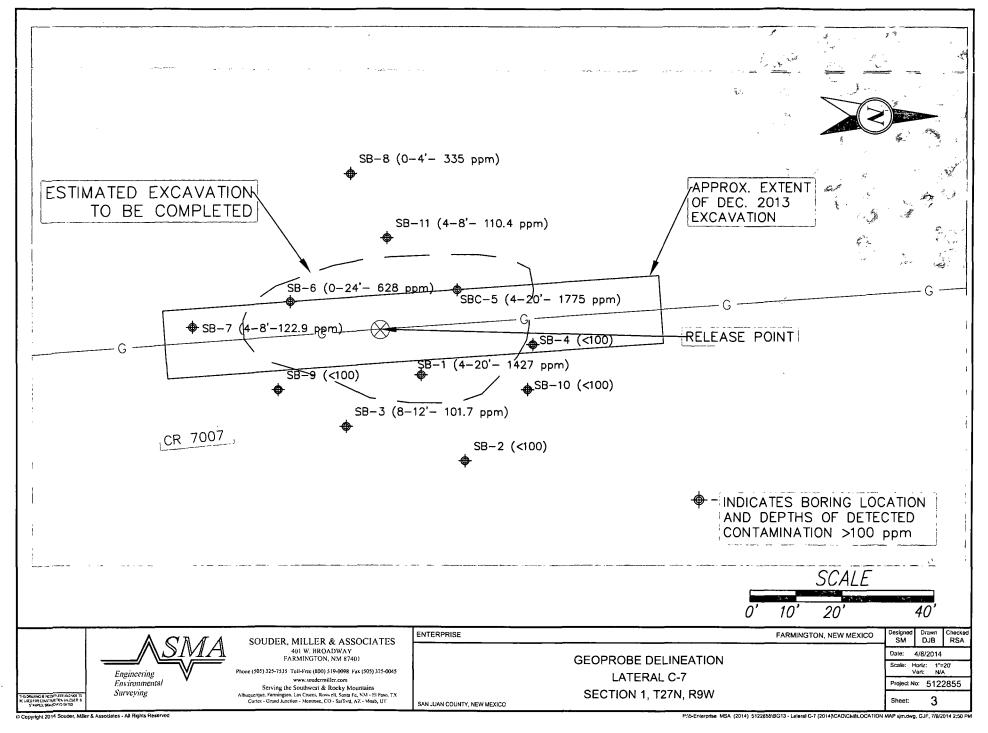
SOUDER, MILLER & ASSOCIATES

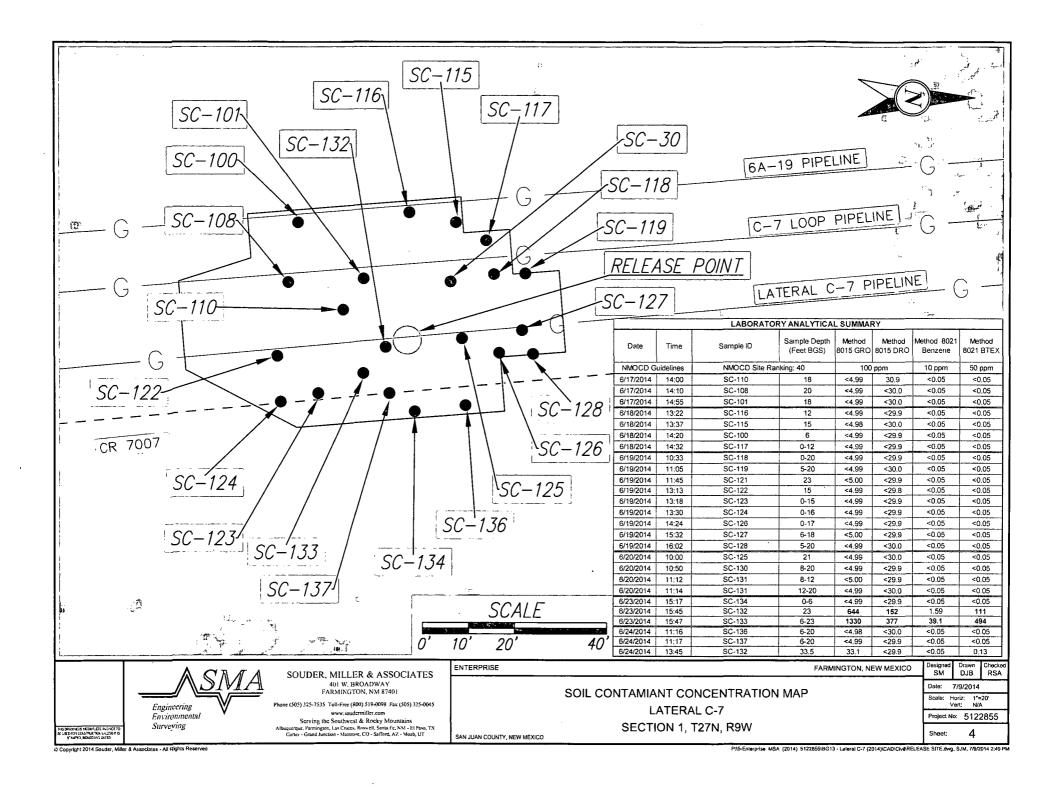
Steve Moskal Project Scientist Reid S. Allan, PG Principal Scientist











Tables

NMOCD Numeric Rank for this Site	Source for Ranking	Notes
20	Field verification that release is located within an unnamed wash.	Groundwater is assumed to be less than 50 feet below ground surface.
NMOCD Numeric Rank for this Site	Source for Ranking	Notes
20	Field verification that release is located within	Release is located within an unnamed tributary wash of Blanco Wash.
NMOCD Numeric Rank for this Site	Source for Ranking	Notes
0	NM State Engineer Water Well Database	No recorded water wells located with 1000'; Ten wells located within a 1 mile radius.
40		
0 to 9	10 to 19	>19
10 PPM 50 PPM	10 PPM 50 PPM	10 PPM 50 PPM 100 PPM
	NMOCD Numeric Rank for this Site  20  NMOCD Numeric Rank for this Site  0  40  0 to 9  10 PPM	for this Site  20 Field verification that release is located within an unnamed wash.  NMOCD Numeric Rank for this Site  20 Field verification that release is located within an unnamed wash.  NMOCD Numeric Rank for this Site  NMOCD Numeric Rank for this Site  NMOCD Numeric Rank for this Site  NMOCD Numeric Rank for this Site  10 NM State Engineer Water Well Database  40  10 to 9 10 to 19  10 PPM 50 PPM 50 PPM



# Enterprise Products Table 3: Summary of Excavation Field Screening Results (PPM)

		FIELD SCREEN	ING RESULTS SUMMARY		
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
6/16/2014	12:05	SC-100	6	24.7	N
6/16/2014	12:20	SC-101	5	18.4	N
6/16/2014	13:10	SC-102	8	364.8	N
6/16/2014	13:25	SC-103	12	242.1	N
6/16/2014	13:50	SC-103	18	64.2	N
6/16/2014	13:55	SC-101	10	92	N
6/16/2014	14:30	SC-104	8	41	N
6/16/2014	15:35	SC-105	14	1171	N
6/16/2014	16:00	SC-106	8	1365	N
6/17/2014	11:05	SC-107	16	13.1	N
6/17/2014	11:08	SC-108	10	9.4	N
6/17/2014	11:10	SC-109	12	734.6	N
6/17/2014	14:00	SC-110	18	30.4	Υ
6/17/2014	14:10	SC-108	20	176.2	Υ
6/17/2014	14:55	SC-101	18	43.8	Y
6/17/2014	15:40	SC-111	20	2367	N
6/17/2014	15:50	SC-112	0-12	1045	N
6/18/2014	10:35	SC-113	20	5160	N
6/18/2014	10:37	SC-114	0-18	458.6	N
6/18/2014	13:00	SC-115	7	22.5	N
6/18/2014	13:10	SC-115	12	226.5	N
6/18/2014	13:22	SC-116	12	42.6	Υ
6/18/2014	13:37	SC-115	15	80.6	Υ
6/18/2014	14:20	SC-100	6	29.7	Y
6/18/2014	14:32	SC-117	0-12	161.5	Y
6/19/2014	10:33	SC-118	0-20	74.6	Υ
6/19/2014	10:50	SC-119	5-18	65.4	N
6/19/2014	11:05	SC-119	5-20	184.1	Υ
6/19/2014	11:10	SC-120	5-20	366.6	N
6/19/2014	11:45	SC-121	23	181.3	Υ
6/19/2014	13:13	SC-122	15	61.1	Y
6/19/2014	13:18	SC-123	0-15	41.7	Υ
6/19/2014	13:30	SC-124	0-16	43.9	Y
6/19/2014	14:20	SC-125	18	1299	N
6/19/2014	14:24	SC-126	0-17	74.8	Y
6/19/2014	15:32	SC-127	6-18	53.9	Y
6/19/2014	16:02	SC-128	5-20	9.4	Y
6/20/2014	10:00	SC-125	20	35	Y
6/20/2014	10:12	SC-129	17	1741	N
6/20/2014	10:50	SC-130	8-20	7.1	Y
6/20/2014	11:12	SC-131	8-12	11.3	Y
6/20/2014	11:14	SC-131	12-21	22.6	Y
6/23/2014	11:20	SC-132	17	5196	N
6/23/2014	13:45	SC-133	8-20	2770	N
6/23/2014	13:47	SC-132	20	1616	N
6/23/2014	14:05 15:17	SC-132 SC-134	22.5 0-6	1171 3.4	N Y
6/23/2014	15:17	SC-134 SC-132	23	3.4 1504	Y
6/23/2014	15:47	SC-132 SC-133	6-23	1739	Y
6/24/2014	10:40	SC-135	12	1066	N
6/24/2014	11:05	SC-135 SC-135	19	176.7	N
6/24/2014	11:16	SC-136	6-20	58.3	Y
6/24/2014	11:17	SC-137	6-20	165.8	Y
6/24/2014	11:17	SC-137 SC-132	25	1793	N
6/24/2014	13:20	SC-132 SC-133	31	9691	N
6/24/2014	13:20	SC-138	0-20	1542	N
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		LABORATOR	RY ANALYTICA	L SUMMAR	Y		<del></del>
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX
NMOCD G	uidelines	NMOCD Site Ran	king: 40	100	ppm	10 ppm	50 ppm
6/17/2014	14:00	SC-110	18	<4.99	30.9	<0.05	<0.05
6/17/2014	14:10	SC-108	20	<4.99	<30.0	<0.05	<0.05
6/17/2014	14:55	SC-101	18	<4.99	<30.0	<0.05	<0.05
6/18/2014	13:22	SC-116	12	<4.99	<29.9	<0.05	<0.05
6/18/2014	13:37	SC-115	15	<4.98	<30.0	<0.05	<0.05
6/18/2014	14:20	SC-100	6	<4.99	<29.9	<0.05	<0.05
6/18/2014	14:32	SC-117	0-12	<4.99	<29.9	<0.05	<0.05
6/19/2014	10:33	SC-118	0-20	<4.99	<29.9	<0.05	<0.05
6/19/2014	11:05	SC-119	5-20	<4.99	<30.0	<0.05	<0.05
6/19/2014	11:45	SC-121	23	<5.00	<29.9	<0.05	<0.05
6/19/2014	13:13	SC-122	15	<4.99	<29.8	<0.05	<0.05
6/19/2014	13:18	SC-123	0-15	<4.99	<29.9	<0.05	<0.05
6/19/2014	13:30	SC-124	0-16	<4.99	<29.9	<0.05	<0.05
6/19/2014	14:24	SC-126	0-17	<4.99	<29.9	<0.05	<0.05
6/19/2014	15:32	SC-127	6-18	<5.00	<29.9	<0.05	<0.05
6/19/2014	16:02	SC-128	5-20	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:00	SC-125	21	<4.99	<30.0	<0.05	<0.05
6/20/2014	10:50	SC-130	8-20	<4.99	<29.9	<0.05	<0.05
6/20/2014	11:12	SC-131	8-12	<5.00	<29.9	<0.05	<0.05
6/20/2014	11:14	SC-131	12-20	<4.99	<30.0	<0.05	<0.05
6/23/2014	15:17	SC-134	0-6	<4.99	<29.9	<0.05	<0.05
6/23/2014	15:45	SC-132	23	644	152	1.59	111
6/23/2014	15:47	SC-133	6-23	1330	377	39.1	494
6/24/2014	11:16	SC-136	6-20	<4.98	<30.0	<0.05	<0.05
6/24/2014	11:17	SC-137	6-20	<4.99	<29.9	<0.05	<0.05
6/24/2014	13:45	SC-132	33.5	33.1	<29.9	<0.05	0.13



# Appendix A Field Notes

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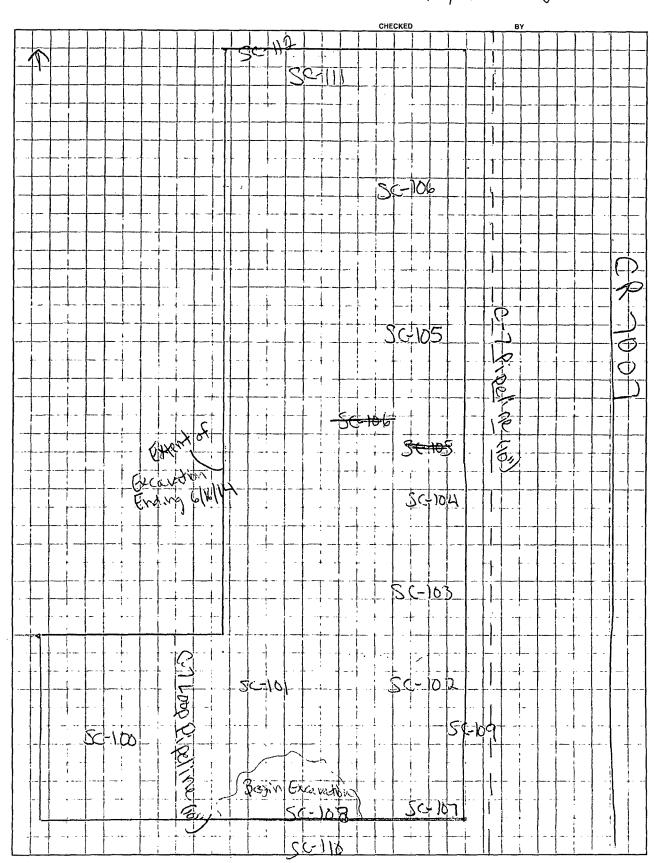
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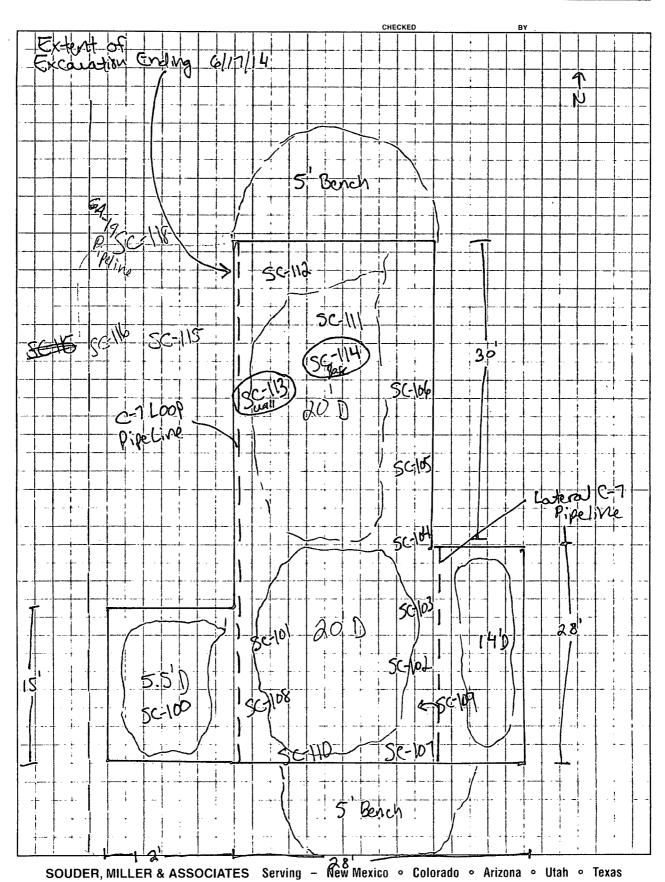
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DATE 6/19/14 BY SJM
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5/2-1-50 JC-188 15C-138 EXTERN 6/23/14 5-120 50/18 SC-29 Expry of 1 = 124/14 5e45 131 GA-19 C-7 loop.

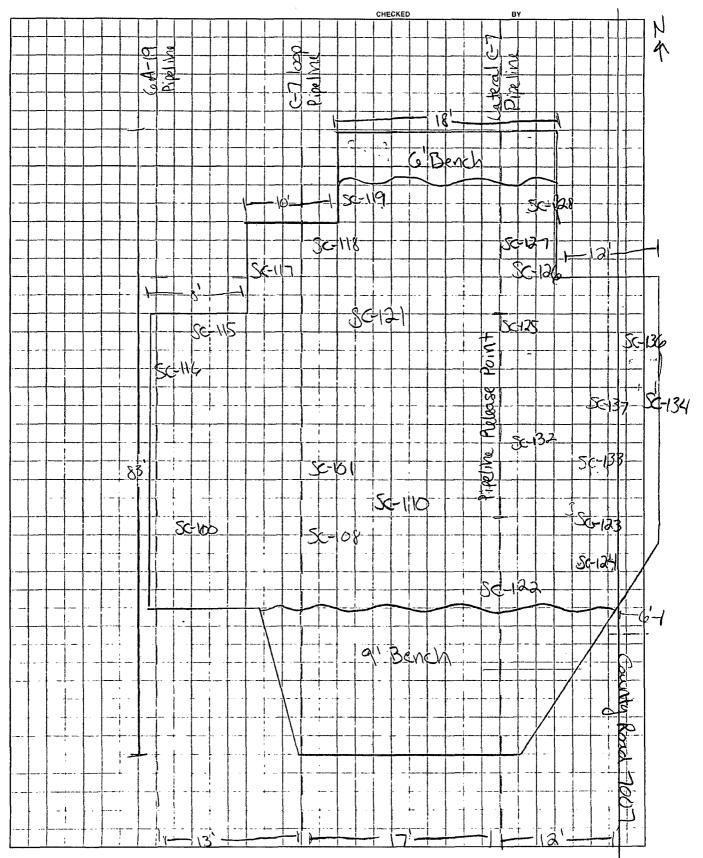
SOUDER, MILLER & ASSOCIATES Serving - New Mexico · Colorado · Arizona · Utah · Texas

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DATE (0/27/14 BY STM



SOUDER, MILLER & ASSOCIATES Serving - New Mexico · Colorado · Arizona · Utah · Texas

	Field	Screen	ing		#1
	Location Name			D	ate
Cateral (	7-7		<b>7</b>	6/16/16	\
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)
SC-100	Imidjigel 5'w of C-7 loop	m) 6'	1205	1215	247
SC-101	5' E of C-7 100p	5'	1220	1227	18.4
SC-102	5'Wof C-7pl	8,	1310	1320	364.8
36-303	5'W of CTPL	12'	13 25	1342	242.1
\i	( )	18'	1350	1356	64,2
SC-101	, , , , , , , , , , , , , , , , , , ,	10,	1355	1402	920
30-104	5' w of C-7, Clean Backfill from p	8' 1 ENUNT	1430	1436	41.0
SC-105	5' wof GTPL	143	1535	1542	1171 186
SC-106	8, my C-167	<i>გ</i> '	1600	1605	1365
SC-107	Sicial 8° EW of	16	1105	1128	13.1
SC-108	5. mall 12' wof	10'	3011	1129	9.4
50-189	Along GTPL, Not Suall = 8' S. wall 5'S of	19,	1110	1130	734.6
SC-110	s. well 5's of 50-108	181	1465	1405	30.4

5-17/14

		Field S	Screen	ing		#2	
	Lateral	Location Name			117.	ate 4	
	Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)	
	SC-108	see above	20'	1410	1420	176.2	A
	SC-101	su above	18'	1455	1500	43.8	#
	SC-III	U. Base 8'E of	20'	1540	1555	2367	
	SC-112	N. wall	0-19,	1550	1557	1045	
Collella	SC-113	Base BIT C-7 1001+ C-7@50' Nof Sual 1	201	1035	1047	5160 <del>156</del>	
	SC-114	whall 3'Ef C7	0-18'	1037	1048	458.6	
	SC-115	In botween GA-19 PL & C-7 15UP PL	7'	1300	1312	22.5	
	50 NS	11	19,	1310	1316	2265	المها
	sc-116	W. Walli ≈2.5' E of GA-19 PL	12,	1322	1329	42.6	&m
	SC-11S	de above	18'	1337	1343	30.6	B
	SC-100	See above	(۵.۵	1420	1426	29.7	A
	85-117	wof coloap PL	0.12'	1432	161.5	×	
19/14	22 6 110	NW worner 21 Esf G7100p PL	0-201	1033	1044	74.6	X

Field Screening #3  Location Name Date													
				1									
Latero	y C-1	7	<u></u>	6/19/	14	-							
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)								
SC-119	N mallie of G7	5-18	1020	1057	65.4								
Sc <del>130</del>	11 11	5-20'	1105	1118	184.]	4							
SC-130	N wall 2' W of last C-7 PL	5,30,	1110	1119	366,6								
Sc-121	N. Base	23'	1145	1201	18/3	4							
SC-122	J Bosa below Lod G7	12,	1318	1339	61.1	X							
56-123	S, portion of E wall, E of Lat G71	0.45'	1318	1340	41.7	*							
SC-124	SE corner wall	0-16'	1330	134/	43.9	K							
SC-125	E Base \$5'EOF Lat C-7PL	181	1420	1434	1299								
SC-125	E uall abor SC-125 approx 8 Edf	0-17' Lat C-7PL	1424	1434	74.8	A							
SC-127	pe wall ≈ 7' E of Lat C-7 PL	G-18'	1532	1538	53.9	A							
SC-128	5'N of Sc.120	5-20	1602	1611	4.4	A							
EC-125	Fle above	201	1000	1012	35.0	A							
50129	Below Glot C7PL Below Rount	10/2	1023	1741									

6/20/14

			Field S	creen	ing		#4	
			Location Name			D	ate	1
		Latera	107			6/20	14	
		Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)	
		SC-130	Blow Cot C-TPL N. wall	8-20'	1050	1100	7.1	4
		SC-131	E wall @ Release loted (RP) = 7/E of Late	8-12	HD	1125	11.3	X
		SC-134	1	124-21	1114	1126	22.6	A
(P)	4	SC132	mid of Evall. Base		1120	1141	5196	
		Sc- 133	mid of E wall	8-201	1345	1351	2770	
ļ		SC-132	se abrie	20'	(347	(352	1616	
 		S=-132	see a boxe	22.5'	1405	1410	1171	
		SC-134	Road	0-6'	1517	1532	3.4.	4
		SC-132	see above	23'	1242	556	1504	A
		SC-133	see above	(e-23)	1547	1557	1739	A
6/2	111	de-135	E Bash	12)	1040	1020	1066	
	- 1	SC-135	1,	191	1105	1112	176.7	
		5C-136	E hall of E exc.	(p-201	1116	1135	58.3	¥

Field Screening #5  Location Name Date													
	. Location Name				<del></del>								
lateral	C-7			6/24	<u>J</u> 3								
Location Name	Description	Depth (Feet BGS)	Time Collected	Time Screened	PID Reading (ppm)								
SC-137	Exc (Princh)	6-20	1117	1130	165.8	A							
SC-132	E. Base Below C-7	1	1130	1139	1793								
SC-133	see above	31,	1320	1:329	9691								
SC-138	N. wall of E. Exc. (no bench)	0-90,	1322	1330	1542								
SC-132	See alone	33.5	1345	1352	748.1	伙							
			.,										

# Appendix B Site Photography

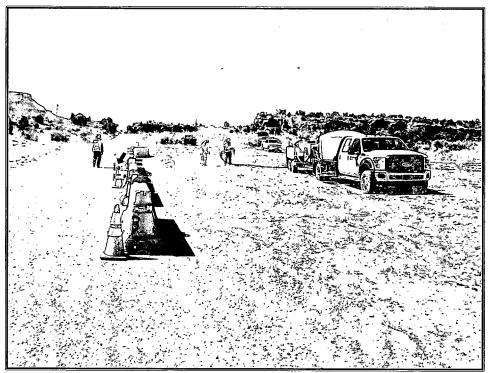


Photo 1: Potholing and setting of barricades along County Road 7007 prior to excavation of the Lateral C-7 Pipeline.

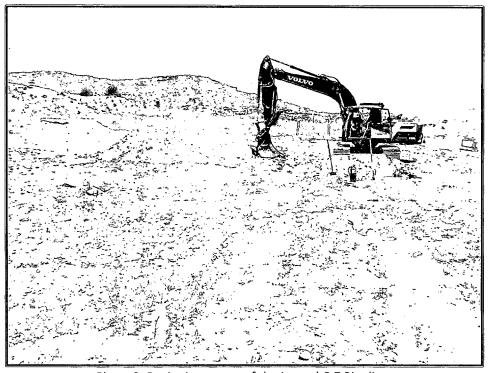


Photo 2: Beginning stages of the Lateral C-7 Pipeline.



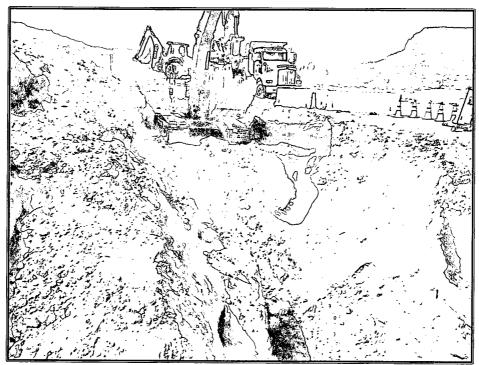


Photo 3: Beginning excavation of the adjacent C-7 Loop Pipeline.

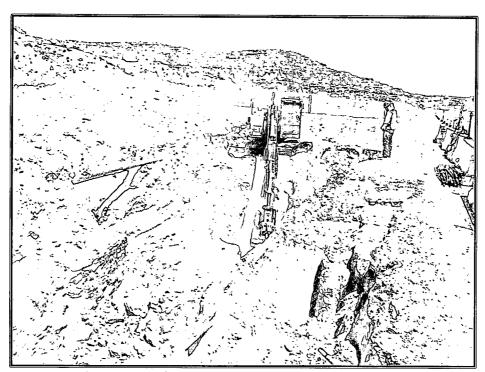


Photo 4: Continued excavation of the Lateral C-7 Pipeline. The C-7 Loop Pipeline pictured left.

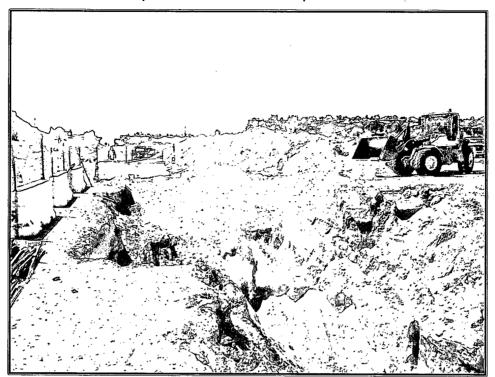


Photo 5: Backfilling of the south portion of the Lateral C-7 Pipeline excavation.

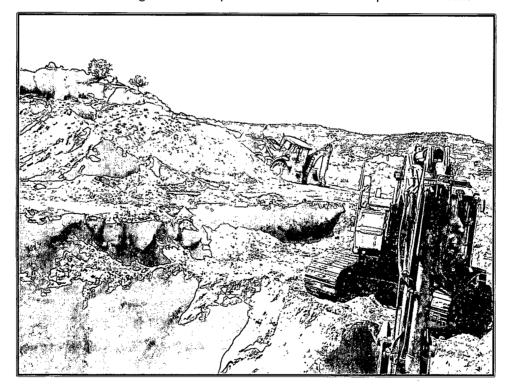


Photo 6: View of excavation equipment benched down to reach the base at approximately 25'.



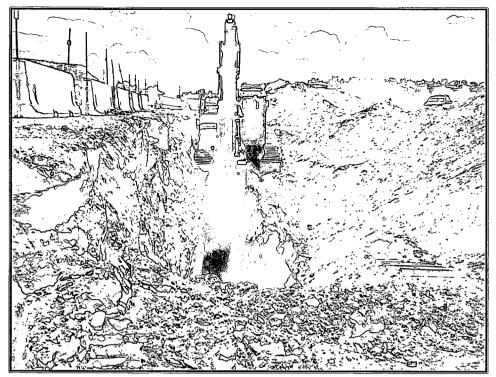


Photo 7: View of the excavation in County Road 7007 with equipment benched 6' down.

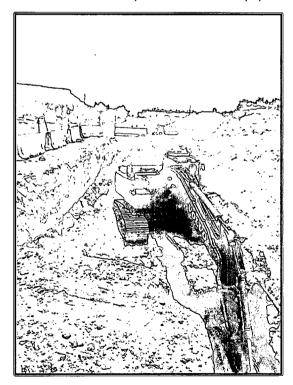


Photo 8: View of the excavation in County Road 7007 with equipment benched 9' down to reach 33' below grade.



Site Photographs
Enterprise Products Lateral C-7 Pipeline Release

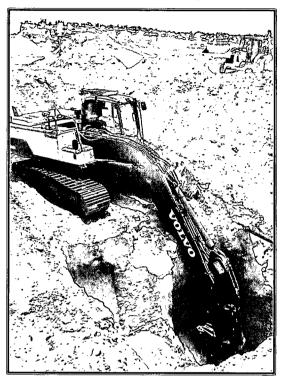


Photo 9: Excavation approximately 20' below the Lateral C-7 Pipeline.



Photo 10: Final excavation depth of the Lateral C-7 Pipeline at 33.5' below ground surface along County Road 7007.



## Appendix C Soil Disposal Documentation

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Signatures required prior to distribution of the legal document.

#### Bill of Lading

MANIFEST #

DATE 16-22N 14

JOB# 97057-0644

FILONE	. (505) 632-0615 • 5796 U	.S. HIGHWAT 64	FARMINGTON	, INCAN ME	XICO 6740	<i>)</i> (							
LOAD	COM	PLETE DESCRIPT	TION OF SHIPMEN	NT			TRANSPO	RTING	COMPA	NY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE			
1	ENVEROPECH	LATERURES	CURN		20	_	RETCHY TRANSPORATEON	L71	805	Jan Kithe			
2	Voildthis	Enterress	Lin	e-	70		ens	271	क्षा	Total Calls			
2	Envirotech	Cate 7	Clean		20		Ritchy	L71	102	Chen TReteller			
3	U V	Ч	11		20	_	۸)	L71	122	of This			
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				1									
RESULT	5:	LANDFARM	Aul -	IA	B	9.	NOTES:						
	CHLORIDE TEST	EMPLOYEE:	College of the colleg	/Ga	Up/Col	MO	Ju .						
	PAINT FILTER TEST	Certifi	cation of above per	ceival & pla	cement								
	g as the driver/transporter, I d d Generator/Point of Origin a	سيداها استسيست فيستاه استس				- 41 1 -	_1		7	material is from the above			
TRANSPO	mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.  TRANSPORTER CO. KITCHE DATA NAME EVIV TX, FCHE SIGNATURE TX, FCHE  COMPANY CONTACT MIKE PHONE 793 4426 DATE FINE OF THE LEGAL DOCUMENT.												
COMPANY	CONTACT ANK	Le_	PHONE	793 4	1426	-	DATE /		1/	14			
Signature	es required prior to distribution	n of the legal docu	ment.				- Just	-		/			



MANIFEST # 47283

DATE 6.26.19 JOB # 97057-0649

PHONE	: (505) 632-0615 • (	5/96 U	.S. HIGHWAY 64	• FARMINGTON	, NEW ME	XICO 8740	01	<b></b>			
LOAD		COM	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORK		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterpris Lat C.7	0	LFII-5	CONT	G14	20	-	MOSS	27	1050	Lee Mass
2	1, 1.	)	1 1	) )	G14	20	==	, )	27	1310	Lee Mas
3	U	١,	1)	١,	G14	20	)	11	27	1550	Lee Mass Lee Mass
						60					
						<i>Co</i> -					
		<u>-</u>									
										,	
RESULTS: LANDFARM			11	1	E2	NOTES:					
284	CHLORIDE TEST	l	EMPLOYEE:	( oug	Kobi	MZB	a p				
	PAINT FILTER TEST 1 Certification of above receival & placement										

mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. MOSS Excoustion	NAME Lee Mass	SIGNATURE Los Mos
COMPANY CONTACT	PHONE	DATE 6-26-14

Signatures required prior to distribution of the legal document.

en	V	I	0	t e	C	h

MANIFEST # 47282

DATE 6-26-14 JOB# 97057-8644

PHONE	E: (505) 632-0615 • 5796 U	I.S. HIGHWAY 64	• FARMINGTON	, NEW ME	XICO 8740	)1	DATE G ZO		_ 000	+ _ / / / / / / / /
LOAD	СОМ	PLETE DESCRIPT	NT	TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E.tech	ENTERPRISE Late. 7	RILL		20	-	M035	27	720	Lee Moss
2	2.1	١)	Soil	_	20	_	moss	27	1050	Les Mess
3	<b>\</b> ?	1)	1.7		20	1	moss	27	1310	Las Mos
					60					
			_							
										·
RESULT	S:	LANDFARM	1	0 1	ins or	EL	NOTES:	<u>.                                    </u>		
	CHLORIDE TEST	EMPLOYEE:	Can !	7						
	PAINT FILTER TEST	Certific	Certification of above receival & placement							
By signing	g as the driver/transporter, I	certify the material and that no addition	hauled from the a	bove location	on has not l	been add	led to or tampered	with. I ce	ertify the	material is from the above
	BTER CO MOSS F							Pa	M	<b>△</b> •

TRANSPORTER CO. MOSS Excovation NAME Lee MOSS SIGNATURE Lee MOSS COMPANY CONTACT MIKE ENS DATE 6-26-14 PHONE

Signatures required prior to distribution of the legal document.

(3	env	rirc	)te	ch

MANIFEST # 47281

DATE 6.26.14 JOB # 97057-0644

LOAD	COMF	COMPLETE DESCRIPTION OF SHIPMENT								IY .
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise	LFIT.5	CONT	G14	20		YUCCA	AF.	1040	Ryllan
2	14 y	17	11	G14	20		YULLA	AF6	1400	Rosha
3_	11 11	11	11	G14	20	1	VUCCA	AF	1645	Rulling
					10		/			
					00					
			,							
							AND THE RESERVE OF THE PERSON		-	
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Goy R	Oben	EL O~		NOTES:			
	PAINT FILTER TEST	Certifi	cation of above red							
mentioned	g as the driver/transporter, I od Generator/Point of Origin a	nd that no additior	nal material has be	en added o	r mixed into	the load	đ.	4		61
TRANSPO	RTER CO. Yuca		NAME	Rod	Loger	<u> </u>	SIGNATURE	J&	uf	Jhan
COMPANY Signature	CONTACT / Letty s required prior to distribution	n of the legal docu	PHONE ment.					6-2	26-1	<u>i</u>

@ envirotec	h
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MANIFEST # 47280

DATE 6-26-14 JOB # 97057-8644

LOAD	COM	PLETE DESCRIP	TION OF SHIPME	NT		TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	E. tech	Zate-7	Clesn		20		YUCCA	AF	720	Renthm
2	١)	11	l j		20	_	YUCCA	AFC	1040	Hadlern.
3	. 11	• 1,	Ŋ		20	_	YUCCA	Ar	1400	Rudhan
					1		1			
					60					
										·
									·	
RESULT	<del></del>	LANDFARM	1	\	inso	1	NOTES:			
	CHLORIDE TEST	EMPLOYEE:	(vary)			2	<del>,</del>			
	PAINT FILTER TEST	<u>i                                      </u>	cation of above re							
By signing mentioned	g as the driver/transporter, I d Generator/Point of Origin	certify the material and that no addition	hauled from the a	bove location	on has not l	peen add	led to or tampered	with. I ce	rtify the	material is from the above
	RTER CO. YUZE							12	ad	Kn
COMPANY	CONTACT HEAV	. 1	PHONE	320-	017	 २	DATE	6-	26-	14
Signature	s required prior to distribution	on of the legal docu	ment.		·	<b>_</b>			/	

( envirotech
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MANIFEST # 47279

DATE 6-26-19 JOB # 97057-0644

NO. POINT OF ORIGI		MATERIAL	GRID	YDS		TRANSPO	PRTING	COMPA	VY	
POINT OF ORIGI		<u> </u>	GRID	VDS			TRANSPORTING COMPANY			
ENHORPMIS	e LFII.5	( A A		103	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1 2 1 2		CONIC	F-14	20	-	Ritchey	471	1040	June 1 Killedin	
2 (0) (-1	1 /	1)	G-14	20	_	-11	471	1237	PL T Nife	
3 11	, , ,	1 )	G14	20		11	L 71	1538	Jan 1 8 HA	
			•	LD						
			!							
						• • • • • • • • • • • • • • • • • • •		·		
			_							
RESULTS:	LANDFARM	1		<i>F</i>	EL	NOTES:	<u> </u>			
্রেপ্তথ CHLORIDE TEST	EMPLOYEE:	/racy	164	MA	By		·			
PAINT FILTER TEST	PAINT FILTER TEST   Certification of above receival & placement									
By signing as the driver/transpormentioned Generator/Point of Or	ter, I certify the material rigin and that no addition	hauled from the almaterial has be	en added o	or mixed into	the load	led to or tampered	0	ertify the	material is from the above	

nentioned Generator/Point of Origin and that no additional mate	erial has t	peen added or mixed into the load.		1
TRANSPORTER CO. KITCHET TOZAF	NAME	FLUINT XIKKEY	SIGNATURE	TK the
COMPANY CONTACT 6 41/5	PHONE	7934426	DATE Lema 1/6	112
Signatures required prior to distribution of the legal document.		1 / 3 - 1 / 3 - 1		7

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MANIFEST # 47278

DATE 6.26.19 JOB # 97057-0644

LOAD	COM	IPLETE DESCRIPT	ION OF SHIPME	NT			TRANSPO	PRTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E.tech	Enter Prise	Cleau	_	20	_	Ritchey	71	724	The Thicks
2	1 /	LotC-7	50,2		20	_	· ·	471	1040	Clar Ritt
3	1 /	11	6 3		20	_	ι (	z 7/	1238	ThuTRIES
					60					
<del></del>										
							<u> </u>			
			- A							
RESULT	S:  CHLORIDE TEST	LANDFARM EMPLOYEE:	Cary	Colu	nggr	EL 1	NOTES:	, <u>, , , , , , , , , , , , , , , , , , </u>		
	PAINT FILTER TEST	Certific	cation of above re	ceival & pla	cement					

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the ma	terial is from the abov
mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.	
TRANSPORTER CO. Kitchey Trucks ay NAME Flyny The Likey SIGNATURE	X Holling
COMPANY CONTACT EMS MIKES PHONE 747 44126 DATE 6-26.14	
Signatures required prior to distribution of the legal document.	

MANIFEST # 47277

DATE 6-26-14 JOB# 97057-0644

LOAD	CON	MPLETE DESCRIPT	TON OF SHIPME	VT	•		TRANSP	ORTING	COMPA	ΝY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE	LFII.5	CON'T	F 14	12	/	EMS 3	309	1040	Rolf the
	•				12					, , ,
					1 05-					
							· · · · · · · · · · · · · · · · · · ·			
							***************************************			
			i							
RESULTS	S:	LANDFARM	1		11	- Es	NOTES:	. L!	<u> </u>	
«294	CHLORIDE TEST	EMPLOYEE:	Cal	MR	ALVI	W				
	PAINT FILTER TEST	_1	cation of above re	•						
	g as the driver/transporter, I d Generator/Point of Origin									material is from the above
ranspo	RTER CO. EM/	5	NAME _/	oput	touker		SIGNATURI	Kal	17/1	
COMPANY	CONTACT DMike	EMS	PHONE	Allen 1994 de martin a mais de la glilla que que la			d. SIGNATURI DATE	526-	14	
Signature	s required prior to distributi	on of the legal docu	ment.							



DATE 6-26-14 JOB# 97057-0644

LOAD	COM	PLETE DESCRIPT	ION OF SHIPMEN	VT			TRANSPO	RTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	E-tech	Enterpris Lat C-7	"Clean Fill		12		EM5 3	09	721	RATE
2	>)	1)	Fill Soil	_	12		EMS 3	107	1040	By Con Relinio
					74					
					Ø					
		×								enter Annual Control of the Control
				,						
RESULTS	<u> </u>				/ <u> </u>	\$2	NOTEO			
MEGGER	CHLORIDE TEST	LANDFARM EMPLOYEE:	(MIII	Kills	IND A	27	NOTES:			
	PAINT FILTER TEST	Certific	ation of above red	ceival & pla	cement					
	g as the driver/transporter, I d Generator/Point of Origin a	السام الماسات المساه المساه المسا					<u> </u>	1		
TRANSPO	RTER CO. EMS		NAME	Robert	Fouler		SIGNATURE	- Ko	1	fl
COMPANY	RTER CO. E P S  CONTACT E P S  Securited prior to distribution	nike 5	PHONE		•		DATE	-26	-14	
Signature	s required prior to distribution	n of the legal docur	nent							

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MANIFEST # \_\_47270

DATE 6.25.14 JOB# 97057-0644

LOAD	CON	PLETE DESCRIP	TION OF SHIPME	NT			TRANSPO	PRTING	COMPAN	1Y
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enter Prise Lat	LFII-5	Cont	E.14	12		EMS	10	1125	RHILL
2	C.7	11	11	F14	12		Ems 3	10	1350	Political
3	11 ).1	١,	1)	F14	15	1	Ems 3	0	1628	Roll
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······										
						-				
					-					
ESULTS	S:	LANDFARM	1	1	1.	56	NOTES:		]	
294	CHLORIDE TEST	EMPLOYEE:	Vary	Kol	inso	3				
	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	cement					

			LANDTARM	//			101E3.		
< 294	CHLORIDE TEST	1	EMPLOYEE:	Cary	Kolins	A3			
	PAINT FILTER TEST	1	Certific	ation of above red	ceival & placement				
mentione TRANSPC	g as the driver/transport of Generator/Point of OPRTER CO. CONTACT EMPLOY CONTACT EMPLOY to district t	rigin a	Mike S	n material has be  NAME PHONE	en added or mixed	into the load.	d to or tampered withSIGNATUREX	certify the material i	s from the above
_				White - Compar	ny Records, Yellow - Billing,	Pink - Customer			san juan reproduction 578-126

en	virc	) le	ch

MANIFEST # 47269

DATE 6.25-14 JOB # 97057-0644

PHONE: (FOE) 622 0615 - 5706 U.S. HIGHWAY 64 - EARMINGTON, NEW MEYICO 97401

PHONE	: (505) 632-0615 • 5	796 U	.S. HIGHWAY 64	• FARMING TON	, NEW ME	XICO 8740	וו				
LOAD		COMP	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIG		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterpris	ح	LFII.5	CONIT	E.14	20	_	m035	27	1106	Lee mose
2	C-7 1)		١١	17	F-14	20		moss	27	1468	Lee Moss
3	1) 1	)	۱٦	١٠)	F14	20		moss	27	1643	Les Miss
						60					
											,
		-									
RESULTS	3:		LANDFARM	À		/ , <i>e</i>	52	NOTES:	1		
L 294	CHLORIDE TEST	}	EMPLOYEE:	( au	Koli	MAGI	7				
	PAINT FILTER TEST	9	Certific	cation of above re	ceival & pla	cement					

- 1		4					
	By signing as the driver/transpor	rter, I certify the material hauled	from the above loca	ation has not been added to	o or tampered with.	I certify the material	is from the above
	mentioned Generator/Point of O	rigin and that no additional mate	erial has been added	d or mixed into the load.	<b>^</b>		
	TRANSPORTER CO. 1109	55	NAME Lee	Mos	_SIGNATURE	2 Mass	_
	COMPANY CONTACT	5 Mikes	PHONE		DATE 6	25-14	
	Signatures required prior to dist					ı	



MANIFEST # 47268

DATE 6-25-14 JOB# 97057-0644

LOAD	C	OMP	LETE DESCRIPT	ION OF SHIPME	VT			TRANSP	ORTING	COMPAI	NY	
NO.	POINT OF ORIGIN		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATU	JRE
1	Enterpris Lat	2	LFII-5	CONIT	E.14	20	_	Ritchey	71	1100	When The	ch.
2	C-7 11		11	11	F14	20	_	1)	L71	1407	De la	L
3	11 11		11/	17	F14	20		1)	171	1645	Chen The	S
						60						//
									i			
				_								
RESULTS	T		LANDFARM			EL		NOTES:	<u> </u>			
294	CHLORIDE TEST	(	EMPLOYEE:	Gay &	ofins	or						_
	PAINT FILTER TEST	l	Certific	cation of above red	ceival & pla	cement						

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. Leartify the material lisyf	from the above
mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.	1.11
TRANSPORTER CO. RITCHEY Trucking NAME Elvin TK, telegosignature fund Ki)	Kly
COMPANY CONTACT & MIKES PHONE 193 4421 DATE 6-25-14	
Signatures required prior to distribution of the legal document.	

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MANIFEST # 47267 DATE 6:25-14 JOB # 97857-8644

	COMPLETE DESCRIPTION OF SHIPMENT  TRANSPORTING COMPANY									
LOAD NO.	POINT OF ORIGIN DESTINATION MATERIAL GRID YDS BBLS							1		DRIVER SIGNATURE
	ENterprise	DESTINATION		GRID	105	BBLS	COMPANY	TRK#	TIME	UNIVER SIGNATURE
1	Lat	LFII.5	CONIT	E.14	20	_	YUCCA	AF.	1105	Readly on
3	C-7 1,	LFIT.5	11	F-14	20	_	YUCCA	AF	1411	Moulton
3	3.)	١٦	1)	F 14	20	-	YUCCA	AF	1640	Vallen
					10			6		
					-CD					
		·								
RESULTS		LANDFARM		2/	,	EL	NOTES:			
< 284	CHLORIDE TEST		EMPLOYEE: Cay Colinson							
	PAINT FILTER TEST / Certification of above receival & placement									
By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										
TRANSPORTER CO. YCCCa NAME Real Rogers SIGNATURE Week They										
	TRANSPORTER CO. YCCCO NAME Real Regers SIGNATURE Then The COMPANY CONTACT EMS MIKES PHONE DATE 6-25-14									
Signature	Signatures required prior to distribution of the legal document.									

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envallorecu

Signatures required prior to distribution of the legal document.

#### Bill of Lading

MANIFEST # \_\_ 47266

DATE 6.25-14 JOB# 97857-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DRIVER SIGNATURE POINT OF ORIGIN **DESTINATION MATERIAL GRID YDS BBLS COMPANY** TRK# Envirotech Enterprise 1 1 17 11 3 11 11 . 1 11 36 **RESULTS:** NOTES: LANDFARM CHLORIDE TEST EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter. I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. NAME Kobert tould SIGNATURE Kalf So TRANSPORTER CO. EMS. COMPANY CONTACT & M. Ke PHONE



MANIFEST # \_ 47261

DATE 6-25-19 JOB # 97057-0644

PHONE	E: (505) 632-0615 • 5	796 U.	.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	I, NEW ME	XICO 8740	)1	·			
LOAD		ION OF SHIPME		TRANSPORTING COMPANY							
NO.	POINT OF ORIG	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech		Enterprise Lot C-7	Clean Fillsoil		20	_	moss	27	800	Lee Moss
2	11 11		17	1,	_	20		1)	27	1106	Les Mass
3	V .	1	Ŋ	ι (		20		11	27	1418	Lee mas
						60					
	·										
							-				
	Andread (specific territories of the control of the										
						_					
RESULTS	RESULTS: LANDFARM 1 D 1 EL				6	NOTES:					
	CHLORIDE TEST	/	EMPLOYEE:	Gary	Kol	ins	w				
											material in from the above

By signing as the driver/transpo	orter, I certify the material	hauled from the above location has not bee	en added to or tampered with.	I certify the material	is from the above
mentioned Generator/Point of C	Origin and that no addition	al material has been added or mixed into the	ne load.	1	
TRANSPORTER CO. Mass	Excountion	NAME Lee Moss	SIGNATURE	re Moss	-

COMPANY CONTACT \_\_\_\_ PHONE \_\_\_\_ Signatures required prior to distribution of the legal document.

DATE 6-25-14

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(3	9	n	V		0		<b>3</b>	C	n

MANIFEST # 47260

DATE 2550114 JOB# 97057-6644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DESTINATION GRID YDS DRIVER SIGNATURE POINT OF ORIGIN MATERIAL **BBLS COMPANY** TRK# TIME WITTER CLUMAN PUVIROTECH 20 AF 6725 YUCCA FILL LOT C-7 AF6 1105 1 1 20 1.1 71 11 W 1 1 11 AFC 1411 VI 20 100

		1	_		
RESULT	S:		LANDFARM	A DOLLARDIT	ES:
	CHLORIDE TEST		EMPLOYEE:	Say Kal Mal	
	PAINT FILTER TEST		Certifica	ion of above receival & placement	į
nentione	d Generator/Point of O	rigin aı	nd that no additiona	material has been added or mixed into the load.	or tampered with. I certify the material is from the above
COMPAN' Signature	Y CONTACT /	-LA_I	of the legal docum	NAME Read Rogers  PHONE 320-0173	DATE 6-25-14
				White · Company Records, Yellow - Billing, Pink - Customer	san juan reproduction S78-126

Signatures required prior to distribution of the legal document.

#### Bill of Lading

MANIFEST # \_\_47259

DATE 25 5UN 14 JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DRIVER SIGNATURE** POINT OF ORIGIN **DESTINATION** MATERIAL **GRID YDS BBLS COMPANY** TRK# TIME PNTE (CALLES CLEAN BIVIROTECH RITCHOY 20 1725 FILL 1.71 DT C-7 11 11 20 11 11 ); 1100 11 1) 1 1 20 1/ 11 RESULTS: NOTES: LANDFARM **CHLORIDE TEST EMPLOYEE:** Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. KI fely TVAN NAME E/VIN TRIFORRY SIGNATURE The COMPANY CONTACT\_ 1115 PHONE\_\_\_\_\_



MANIFEST# 47247

DATE 6 24-14 JOB# 97057-0644

PHONE	E: (505) 632-0615 • 5796 U	.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	01					
LOAD	СОМ	PLETE DESCRIPT	TON OF SHIPME		TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Laterprise	LFA.5	CON'+ 5012	I.B	20		M035	27	1006	Las Moss	
2	(1 1)	17	1,	III	20	-	71	27	104	Los Moss	
3	71 11	١)	V	工-13	20	_	11	27	1500	La mos	
4	1/ 17	11	۱ (	8-14	20		1.1	27	1720	Lee Mass	
					40						
				·							
			,								
			_								
RESULTS	S:	LANDFARM		0 1	E	1	NOTES:				
4271	CHLORIDE TEST 1 EMPLOYEE: Chylolisison						•				
	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement						
3y signing	signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above										

					<u></u>		
By signing	as the driver/transporter	I certify the material haule	ed from the above lo	cation has not been ad	ded to or tampered with.	certify the material	is from the above
mentioned	Generator/Point of Origin	n and that no additional ma	iterial has been adde	ed or mixed into the loa	ıd.	,	
TRANSPOF	RTER CO. MOSS	Excovation_	NAME Lee	14055	SIGNATURE	e Moss.	
COMPANY	CONTACT & M S	Mikes	PHONE		DATE 6-24		
Signatures	required prior to distribu	tion of the legal document.					

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MANIFEST # 47246

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

LOAD	(003) 002 0010 - 510			ION OF SHIPME				TRANSPO	PRTING	COMPAI	NY
NO.	POINT OF ORIGIN	7	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
)	ENTERPRIS	5	LFII.5	Soil	I-B	20		Ritchey	71	954	Funt Litel
2	lut c./		ι,	11	I.13	20		1 (	71	1213	Chan Holes
3	11 //		1 1	1/	I.13	20		1/	471	1448	Film Thifely
4	. 1	10	l l	1 (	E.14	20	_	71	471	1712	Chan The Sex
						80					
								·			
											·
								<u> </u>			
RESULTS	S:		LANDFARM	A	11	· - 6	56	NOTES:			
4284	CHLORIDE TEST		EMPLOYEE:	Cay 1	Kull	eser	-				
	PAINT FILTER TEST	Certific	cation of above re	ceival & pla	cement						
mentioned	Generator/Point of Ori	igin an	nd that no addition	al material has be	en added o	r mixed into	the load	d.	with. I ce	ertify the	material is from the above
TRANSPO	RTER CO. RIFAC	y		NAME	LVIN	TRIT	cher	SIGNATURE	1	<u>(s)</u>	KHU
COMPANY	CONTACT EM	Ś		PHONE _	793 4	426		DATE 6'	29-	14.	

Signatures required prior to distribution of the legal document.

White · Company Records, Yellow · Billing, Pink · Customer

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MANIFEST # 47245

DATE 6 24-14 JOB# 97057-0699 MANIFEST # 47245

PHONE	: (505) 632-0615 •			<ul> <li>FARMINGTON</li> <li>TION OF SHIPMEN</li> </ul>		XICO 8740	)1				
LOAD		COMPAI	NY								
NO.	POINT OF ORK		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRIS Cut C. ]	بح	LFII.5	SOIL	H·13	12		EMS :	3/0 509	948	RITH
2	V v		61	l t	G13	12		EMS	3/0	1210	fill for
3	11 11		1)	11	E.14	12	)	EMS	3101	1443	011
4	1/	ν	13	11	E.14	12		EMS	2109	1640	RITHE
						48			3.7		
1.012									1		
		_							<del>                                     </del>		
RESULT	S:		LANDFARM	7 (	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	nso	EL	NOTES:	<u> </u>	1	
L294	CHLORIDE TEST	]-	EMPLOYEE:	Gay	Zoli	nso	て_			<del></del>	
	PAINT FILTER TES	T	Certific	cation of above re	ceival & pla						
	r signing as the driver/transporter. I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above entioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										

by signing as the driver/transporter, reciting the ma	tterial riagred from the above location has not been adde	so to or tampered with, I certify the majorial is	I HOIH HIE ADOVE
mentioned Generator/Point of Origin and that no ad	lditional material has beeд added or mixed into the load.		
TRANSPORTER CO. EMS	NAME Robel Tomber	SIGNATURE SIGNATURE	
COMPANY CONTACT EMS	PHONE	DATE 6-24-14	

Signatures required prior to distribution of the legal document.

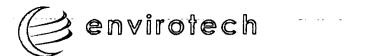


MANIFEST # - 47244

DATE 6 24-14 JOB # 97657-0644

PHONE	: (505) 632-0615	• 5796 U	.S. HIGHWAY 64	• FARMINGTON	, NEW ME	XICO 8740	)1				
LOAD		COMI	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSPORTING COMPANY			
NO.	POINT OF OF		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	ENTERPAIS Late-7	SE	LFII-5	CONIT	I.B	20	1	YUCCA	AFY	948	Hind
2	1)	U	1/	IJ	I.13	20		YUCKA	AF6	948	Bad Xin
3	V	IJ	1)	11	IB	20	U	YUCEA	AF4	1145	House
4	11	1(	11	11	I13	20	-	YUCCA	AF6	1210	Rulley
5	V	1/	11	VI	I13	20		YUCCA	AF6	1447	Really
6	1/	ij	И	IJ	€.14	20	,	YUCCA	AF6	1710	Redfor
						120		,			<u>'</u>
						g ~-					
	,	:									
RESULTS	3:		LANDFARM	10	1	É	9	NOTES:	•	<u>.</u>	
(284	CHLORIDE TEST	1	EMPLOYEE:	Gon fin	Ims	<u></u>			<del>- , ,,</del>	<del></del>	
	PAINT FILTER TE	ST [	Certific	cation of above re	ceival & pla	cement					

RESULTS	3:		LANDFARM	1 1	1	Él		NOTES:			
<254	CHLORIDE TEST	f.	EMPLOYEE:	Gan fin	lm2	~~ <u>`</u>					
	PAINT FILTER TEST	1	Certifi	cation of above re	ceival & plac	ement					
nentioned	Generator/Point of O	rigin a		nal material has be	en added o				with. I certify the	e material is from the abo	ve
TRANSPO	RTER CO. Y			NAME	enth	2m	(02)	SIGNATURE	- Min		
COMPANY	CONTACT			PHONE			-	DATE	1/2/11		
Signature	s required prior to dist	ributior	of the legal docu		V				. 0		
			•	White - Compar	ny Records, Yello	w - Billing, Pink	- Customer	•		san juan reproduction 570	3-126



Bill of Lading MANIFEST # 47240

DATE 6 24-14 JOB # 97657-0144

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

PHONE	E: (505) 632-0615 • 5796 U	.S. HIGHWAY 64	• FARMING TON	, NEW ME	XICO 8/40	)1				···			
LOAD	COMI	COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY											
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE			
	Envinoteel	ENTERPO Luc C-7	5°Clean		20	_	MOSS	27	75	Le Mas			
5	11 1/	11	F111	<u>د</u>	20	1	MOSS	27	1006	Lee mos			
3	ti ti	11	, (	_	20		moss	27	1242	La Mos			
14	L L	1(	11	ہے ا	20		pross	27	1500	Le mos			
			ŕ		40		<b>,</b>						
	·												
							-			,			
RESULT		LANDFARM	1	1 -	-	EL	NOTES:						
	CHLORIDE TEST   EMPLOYEE: Com Loberton												
	PAINT FILTER TEST	Certific	cation of above rec	ceival & pla	cement								
By signin	g as the driver/transporter, I	certify the material	hauled from the al	bove location	on has not	peen add	led to or tampered	with. I ce	rtify the	material is from the above			

mentioned Generator/Point of Origin and that no additional material		,
TRANSPORTER CO. MOSS Excaverion	NAME Lee MOSS	SIGNATURE LOS MOS
COMPANY CONTACT EMS MIKE 5		DATE 624-14
Signatures required prior to distribution of the legal document		



MANIFEST # 47239

DATE 6.24-14 JOB# 97057-0644

PHONE	: (505) 632-0615 • !					XICO 8740	01				
LOAD		COMP		ION OF SHIPMEN	!	<del></del>		TRANSPO	ORTING	COMPAI	NY
NO.	POINT OF ORK		DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENVIRote	ech	ENTERPRISE Lat C: 7	FILLSOIL	<b></b> ,	20	_	Ritchey	71.	730	Elan T. Rikely
2	IJ	kı	17	<u>† 1</u>		20		17	71	954	Chip TRixly
3	11	11	11	1(		20		1/	71	1213	Blun I Holes
4	11	11	1 (	11		20		11	471	1448	Charlet les
, 					•	80	<b>&gt;</b>				
					· 						
RESULTS	CHLORIDE TEST		LANDFARM EMPLOYEE:	Mary 1	Pall	100 1 1	EL In	NOTES:			
	PAINT FILTER TES			cation of above red	eival & pla	cement	/ (				
By signing	PAINT FILTER TEST Certification of above receival & placement  y signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above lentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										

	PAINT FILTER TEST		Certification of above	receival & plac	cement			
By signing	g as the driver/transpor	rter, I d	certify the material hauled from the	e above location	on has not been add	led to or tampered with	n. I certify the material	is from the above
	` .	-	nd that no additional material has		,		T/ 1	, /
TRANSPO	RTER CO. RItch	ray	NAME	ELVIN	TXIteha	SIGNATURE	Jan - Rit	Hay -
COMPANY	CONTACT EMS	· ′	mike PHONE	793	4421	DATE	24-14	
Signature	s required prior to disti	ributio	n of the legal document.	7 12				
			140 %					

	env	iro	10	ch
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# 

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

LOAD	COM	IPLETE DESCRIPT					TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech.	Lut c.7	Fill		12		EMS :	310 309	726	RITE
2	11 V	1/	5016		12		EMS.	310 309	948	Polit Sky
3	N D	t,	U		12		EMS	310	1210	Kelt he
4	N 1)	. 1,	1)		12		Ems ?	309	1447	Rothe
					48					
					II					
			_							
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Cary	EL			NOTES:			
	PAINT FILTER TEST	Certifi	cation of above re-	ceival & pla	cement					
mentioned	g as the driver/transporter, d Generator/Point of Origin	and that no addition	al material has be	en added o	r mixed into	o the load	1.		_	
TRANSPO	RTER CO. EMS		NAME	obut 1	-les		SIGNATURI	E_R	47	<u></u>
	CONTACT & TOS		PHONE _	505-33	3-2003	<b>&gt;</b>	DATE 6	24-	7	
Signature	s required prior to distributi	on of the legal docu	ment.						-	



MAÑIFEST#	47237	

DATE 24 50 14 JOB # 97057-0644

PHONE	E: (505) 632-0615 • 5796 U	.S. HIGHWAY 64	• FARMINGTON	, NEW ME	XICO 8740	)1	DATE	<del>7 / 7</del>	_ JOB	# 110010007
LOAD	COMI	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSPO	ORTING (	COMPAN	ΙΥ
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	ENVIROTECH	CNTERPRESE LOT C-7	CLUAN FRL		30		YUCCA	AFY	725	day
2	U	(1	V.		20	~	n	AF-6	725	The state of the s
3	N	11	1 (	_	20	_	VI		948	dull
4	14	1/	ri		26	J	1/	AFG	948	- Perform
5	1 /	IJ	1)	-	20		1/	AFL	1210	Verstan
6	11	l I	1.	_	20		1 /	AK	1443	Redlem
					120					
			·							
			·							
			· · · · · · · · · · · · · · · · · · ·							
RESULTS		LANDFARM	7111		EL		NOTES:			
	CHLORIDE TEST / EMPLOYEE: CALL									
	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement					
mentioned	g as the driver/transporter, I d d Generator/Point of Origin a	nd that no addition	al material has be	en added o	r mixed into	the loa	d.	with. No	ertify the	material is from the above
TRANSPO	RTER CO. YUCCA	and the second s	NAME_	envy A	to ma		SIGNATURE	-   N	MM	
COMPANY	RTER CO. PUCCA CONTACT CMS		PHONE	<u> </u>		_	DATE_6	24-1	<u>/                                    </u>	
Signature	s required prior to distribution	n of the legal docu	ment.						,V-	

envii	rotech
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Signatures required prior to distribution of the legal document.

### Bill of Lading

MANIFEST # 47230

DATE 6-23-14 JOB # 97857-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN DESTINATION MATERIAL GRID **YDS** BBLS COMPANY TRK# TIME DRIVER SIGNATURE ENTERRISE Clepan 310 5-tech 309 Fill CA+ C-7 11 7.1 ۲, 1/ 11 1/ 11 **RESULTS:** NOTES: **LANDFARM** CHLORIDE TEST **EMPLOYEE:** Certification of above receival & placement PAINT FILTER TEST By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. EMS

NAME Robert Fordor SIGNATURE ROLL

COMPANY CONTACT BICAT Roller PHONE 305-533-2003 DATE 6-23-1



MANIFEST # 47229 DATE <u>(6-23-14)</u> JOB # 97057-0644

PHONE	: (505) 632-0615 • 5796 L	I.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	01				
LOAD	СОМ	PLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENERFRISE Cpt C-7	LFII-5	So.L	6-13	12		EMS	310-	10:00	Rithl
2	11	, (	11	H-12	12	_	EMS 3	310	1240	folt fol
3	17	17	l/	H-13	12	_	EMS	3/0/	1500	PH
4	1/	11	y	H·13	12		EMS 3	310	1713	Rolf Al-
					48					
										:
							W ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (			
			W		***************************************					
							<del></del>			·
ESULTS つまり	CHLORIDE TEST	LANDFARM EMPLOYEE:	Da		EL		NOTES:			
	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement					
signing	as the driver/transporter, I denerator/Point of Origin a	certify the material	hauled from the a	bove location	on has not	been add	ded to or tampered	with. I ce	rtify the	material is from the abo

mentioned Generator/Point of Origin and that no addition	onal material has been added or mixed into the load.		
TRANSPORTER CO. Ems	NAME Robert Forler	SIGNATURE SIGNATURE	
COMPANY CONTACT Breat Roller	PHONE 305-333-2003	DATE 6-23-14	
Of the second se			

Signatures required prior to distribution of the legal document.

MANIFEST # 47228

DATE 6-23-14 JOB # 97057-0644

PHONE	: (505) 632-0615 • 5796 L	J.S. HIGHWAY 64 IPLETE DESCRIPT			XICO 8746	01	r			
LOAD	COM	TRANSPORTING COMPANY								
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTERPRISE CAT C-7	LFT-5	CONF Soil	H·13	20	_	11055	27	18:00	La Misa
2	17 17	1)	1)	H-13	20		m055	27	124	Leo Massa
3_	1/ 1/	1/	17	H·13	20	_	moss	27	1515	La Mos
						:				
					60					
								1		
								<del>                                     </del>		
···					<u> </u>					
									·	
RESULTS	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	De	1	2 6	4	NOTES:		<u></u>	
<u>a</u> d 37	PAINT FILTER TEST		cation of above re	ceival & pla	cement					

03.0	ч	, u			]	
	PAINT FILTER TEST	l	Certification of above	receival & placement		
mentione	d Generator/Point of Or	rigin a	certify the material hauled from the and that no additional material has	been added or mixed into the loa	ded to or tampered with. I certify the material ad.  SIGNATURE Las Moss	is from the above
COMPAN	Y CONTACT	-	PHONE n of the legal document.		DATE 6-23-14	
<b>-</b> . <b></b>				pany Records, Yellow - Billing, Pink - Customer	r	san man reproduction 570 to

	nvi	rote	ch
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MANIFEST # 47227

DATE 6-23-14 JOB# 97857-064

PHONE	: (505) 632-0615 • 5796 U	.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	01 ,	- <del> </del>			
LOAD	СОМ	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSPO	PRTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	ENTERPRISE LAYC-7	CFIT-S	Soil	GB	20		YUCKA	AFG	9:55	- Readflow
2	11	1 '	11	H-13	20	_	YUCCA	AFG	1240	Realles
3	1(	10	11	H13	20	_	YUCCA	AFG		- Thathy
4	1.	4	17	H13	20	_	YUCCA	4F6	1715	Red Muy
					50		,			
RESULTS	<del></del>	LANDFARM	6)	. /	EL		NOTES:	•	··	
4299	CHLORIDE TEST 1	EMPLOYEE:	X Five	La		·				
	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	cement					
Dunianing	as the driver/transporter 1	antifutha matarial	baulad from the a	have landi			dad to an temperad	مما طفنده	-4:6 41	

HESULIS	5: 		LANDFARM	8 /		EL	NOTES:		
×299	CHLORIDE TEST	<b>g</b> .	EMPLOYEE:	Low	e La				
	PAINT FILTER TEST	l	Certific		receival & place	ment .			
mentioned	g as the driver/transport d Generator/Point of O				been added or n		ded to or tampered with. I ad.  SIGNATURE	certify the material is	s from the above
	CONTACT		of the legal docu	ment.	•	0.173Billing, Pink - Customer		23-14	

	enviro	ech
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MANIFEST #	47226	 -		 
MICHAIL FOL M		 	 	 

DATE (0-23-14 JOB # 97057-6644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DESTINATION **DRIVER SIGNATURE** POINT OF ORIGIN **MATERIAL GRID YDS BBLS COMPANY** TRK# TIME EMERICISE Conf IFE-5 G13 20 271 Soil 6A+ C-7 11 H-13 11 11 11 11 11 U H 13 17 RESULTS: EL NOTES: **LANDFARM** CHLORIDE TEST **EMPLOYEE:** PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

NAME Fluin The Leter SIGNATURE Colonis TRANSPORTER CO. Kitch PHONE 795 COMPANY CONTACT Signatures required prior to distribution of the legal document. White - Company Records, Yellow - Billing, Pink - Customer san man reproduction 578-126

(	envirotec	h-
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MANIFEST # 47224

DATE 23 JUN 14 JOB # 97057-0644

PHONE	: (505) 632-0615 • 5	796 U	.S. HIGHWAY 64	<ul> <li>FARMINGTON,</li> </ul>	, NEW ME	XICO 8740	01					
LOAD		COM	PLETE DESCRIPT	TON OF SHIPMEN	NT			TRANSPO	ORTING	COMPA	NY	
NO.	POINT OF ORIG	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
ì	ENVEROTECH		ENTERARIZE LOT C-7	<b>-</b>	-	೩೦		moss	27	755	Leamosa	
2	e 	e	æ æ	( 4		20		MOSS	27	10:00	Les Moss Les Moss	
3	١/	1/	1/ /1	4		20	_	M055	27	1245	Lea Mess	
						60						
				·	_							
								-				
					-							
RESULTS	RESULTS: LANDFARM			Me		7.	NOTES:					
	CHLORIDE TEST	P	EMPLOYEE:	SAIA	G	ver 1	Col	inser				
	PAINT FILTER TEST			cation of above red								
mentioned	Generator/Point of O	rigin a	nd that no addition	al material has be	en added o	r mixed into	o the load	d.		•	material is from the above	
TRANSPO	RTER CO. MOSS	E	xcovairon	NAME(	REN	10 55		SIGNATURE	Lee	m		
COMPANY	CONTACT EM	5_		PHONE				DATE 6	-23	-14_		
Sianature	s reauired prior to disti	ributioi	n of the legal docu	ment.				_	-	-		

	envirotech
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MANIFEST # 4/223

DATE 23 JUN 14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 TRANSPORTING COMPANY COMPLETE DESCRIPTION OF SHIPMENT LOAD NO. **DRIVER SIGNATURE YDS** POINT OF ORIGIN **DESTINATION GRID BBLS COMPANY** TRK# **MATERIAL** TIME SURFRARISS CLEAN 30 RITCHEY ENVERDTECH FILL u 20 1 11 11 20 11 +1 11 RESULTS: EL NOTES: LANDFARM CHLORIDE TEST EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above

mentioned Generator/Point/pt Origin and that no additional ma	terial has been added or mixed into the load.		
TRANSPORTER CO. KITCHEY THAN	NAME Flustately	SIGNATURE T	litelia
	PHONE 793 4424	DATE 1 7 3 /4	
Signatures required prior to distribution of the legal document.	•		
	White - Company Records, Yellow - Billing, Pink - Customer	•	san wan reproduction 578-1



MANIFEST # 47222

DATE 23 JUN 14 JOB# 97057-0644

OAD		COM	PLETE D	ESCRIPT	ION OF SHIPMEN	TV			TRANSPO	DRTING	COMPA	NY
NO.	POINT OF ORI	GIN	DESTI	NATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
(	ENVIRO TEC	Н	CNTER	PRISE C-7	CLJAN FILL		ಎ೦		40 ccA	AF6	795	Rolling
2.	ıl	11	1 '	L!	L l	_	20	)	u a	AFCO	9:55	Though
3	11	1.5	1 (	vl	ι )		20	_	VI U	AFG	1240	Mand Dam
4	T.C	ŋ	11	l/	IJ	_	20	•	11 /1		1505	- Real R
							80					
		_										
							_					
SULTS	):		LAND	FARM	NIV	,	EL		NOTES:	<u> </u>		
	CHLORIDE TEST		EMPL	OYEE:	Alex						<u>-</u>	
	PAINT FILTER TES	T		Certific	cation of above red	ceival & pla	cement					

mentioned Generator/Point of Origin and that no additional mate	erial has been added or mixed into the load.	/) //
TRANSPORTER CO. YUCEA	NAME Read Rogers	SIGNATURE Kendflow
COMPANY CONTACT	PHONE	DATE 6-23-14
Signatures required prior to distribution of the legal document		

@ e	nviro:	iech
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MANIFEST # 47202

DATE 6 20.14 JOB # 97257-0 44

PHONE	E: (505) 632-0615 • 5796	U.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	01				
LOAD	CON	IPLETE DESCRIP	TION OF SHIPME	NT			TRANSP	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE Lot C. 7	LFII.5	CONT	F13	20		m055	27	1003	Les mos
2	11	1 1	11	G13	20	-	M055	27	1234	La mos
3	11 11	1)	V	G-13	20	_	moss	27	1500	^ <i>/</i> 1
					100					
										·
RESULT	TS: LANDFARM TO LANDFARM TO LANDFARM				EL	NOTES:	······································	<del></del>		
L291	CHLORIDE TEST	EMPLOYEE:	Gay	Kohr	nson					
	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	cement					
By signing	g as the driver/transporter,	certify the material	hauled from the a	bove location	on has not	been ad	ded to or tampered	with. I ce	rtify the	material is from the above

RESULTS	3:		LANDFARM	A	1	1	EL	NOTES:	•
<291	CHLORIDE TEST	8.	EMPLOYEE:	Cary	Koh	INSO	7		
	PAINT FILTER TEST	1	Certific	ation of above re	ceival & p	lacement			
mentioned	g as the driver/transpord Generator/Point of O RTER CO. MOSS	rigin ai	nd that no additiona	al material has be	een added	or mixed	into the loa	ded to or tampered with. I certify the material id.  SIGNATURE Las Moss DATE (2-2014	is from the above
	CONTACT EMS							DATE 6-2014	
Signature	s required prior to distr	ributior	of the legal docum		ny Records, Y	ellow - Billing,	Pink - Customer	r	83h Hish Maradinstina Earl i ar



MANIFEST # 47201 DATE 6 · 20 - 14 JOB # 97057-0645

LOAD	E: (505) 632-0615 • 5		.S. HIGHWAY 64 PLETE DESCRIPT			XICO 8740	)1	TRANSPO	ORTING (	COMPAN	
NO.	POINT OF ORIG	ain	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRI Lat C.7	'se	LFIT-5	SOL	F13	20		Yucau	AF6	942	Kerthy
2		t (	1(	17	F13	20		YUCCA	AF4	942	MMX
3	V(	1 (	11	11	G13	20		YUCCA	AF6	1220	And
4	16	ι(	17	1 /	G13	20		YUCER	AF4	122	House
5	11	11	1 (	1 1	G13	20		YUCCA	AF6	1445	- Kindle
6	11	11	l (	1.1	G13	20	-	YUCCA	AFY	1445	May
						120		/			
											<b>-</b>
						i					
RESULTS	CHLORIDE TEST	2	LANDFARM EMPLOYEE:	Coup R		- E	-	NOTES:			ļ
4291	PAINT FILTER TEST	+ - 1		cation of above re-	ceival & pla	cement					
	as the driver/transpo Generator/Point of C	orter, I c								rtify the r	material is from the above

	as the driver/transporter, I c				r tampered with. I certif	y the material	is from the above
mentioned	I Generator/Point of Origin a			nixed into the load.	Par		
TRANSPOR	RTER CO. YUCCA	and the second s	NAME_ Herry		SIGNATURE Nonry	By Coy	Rulinse
COMPANY	CONTACTEMS M	ike S.	PHONE		DATE 6-201	4.	
	s required prior to distribution					1	

(3)	nv	irot	ech
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MANIFEST # 47200 DATE 6-20-14 JOB# 97857-0634

PHONE	E: (505) 632-0615 • 5796 U	.S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	)1				
LOAD	СОМ	PLETE DESCRIPT	TON OF SHIPME	NT			TRANSPO	PRTING	COMPA	VY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Enterprise	LFII-5	CON'T SOIL	FIS	20		Ritchey	71	1023	Elin TK. Ide
2	1 /	11	1)	G13	20	-	17	71	124	Chu T Ditch
3	1/	1 )	' 3	G13	20	•	11	71	1500	Mont XH
					60					
RESULTS		LANDFARM	1	Da 1		EL	NOTES:			
1291	CHLORIDE TEST	EMPLOYEE:	vary	Why	MSO			<del></del>	1	
	PAINT FILTER TEST		cation of above re	·						
	g as the driver/transporter, I define a definition of Origin a	nd that no addition		en added o	r mixed into	the load		with. I ce	rtify the	material is from the above

by signing as the unvertiansporter, i certify the material nation		or tampered with, i certify the material is from the above
mentioned Generator/Loint of Origin and that no additional mate	rial has been added or mixed into the load.	
TRANSPORTER CO. Kitchey	NAME ELININTER	SIGNATURE From TRILCHEY
COMPANY CONTACT EMS MIKES	PHONE	DATE 6.50.14
Signatures required prior to distribution of the legal document.		

Signatures required prior to distribution of the legal document.

### Bill of Lading

MANIFEST # 47199

DATE 6.20.14 JOB # 97057-6644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN DESTINATION **MATERIAL GRID** YDS **BBLS COMPANY** TRK# TIME **DRIVER SIGNATURE** ENterprise Clean **ENVIrotech** 20 Ritchey Lat C-7 Lot: Fill Soil 11 1 1 11 VI 11 11 50 11 RESULTS: NOTES: **LANDFARM** CHLORIDE TEST EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. RITCHEY SIGNATURE COMPANY CONTACT PHONE PHONE



MANIFEST # 47197

DATE 6-20-14 JOB# 97057-0644

LOAD		COMF	PLETE DESCRIPT	TON OF SHIPME	NT		l	TRANSP	ORTING	COMPA	NY
NO.	POINT OF ORIGI	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
l	ENVIROTECH		COTC-7	CUSAN	-	20		moss	27	730	Lee mos
2	1 (	17	11	į į		20	_	moss	27	1003	Lee Mass
3	9 (	11	! (	1,	_	20	_	moss	27	123	Lee Mos Lee Mos
		_				60					
						ODV					
			·								
ESULT	1		LANDFARM	Allel	, El	•	//	NOTES:	<u> </u>		
	CHLORIDE TEST		EMPLOYEE:	GR US	60	rey for	MPO				
	PAINT FILTER TEST		Certific	cation of above re	ceival & pla	cement					

mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. MOSS EXCENTATION NAME LEE MOSS SIGNATURE LEE MOSS

COMPANY CONTACT EMS PHONE DATE 6-20-14

Signatures required prior to distribution of the legal document.



Signatures required prior to distribution of the legal document.

# envirotech Bill of Lading

MANIFEST # \_\_ 47196

DATE 20 TUN 14 JOB # 97857-8644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. **DRIVER SIGNATURE** DESTINATION **MATERIAL GRID YDS** POINT OF ORIGIN **BBLS COMPANY** TRK# TIME IN TERPLISE CLEAN YUCCA AFY 723 ENVIROTECH LOT C-7 EDU 11 N TUCCA AF 6 11 720 3 1.1 , ( 11 20 11 11 11 10 11 11 11 11 11 11 11 20 11 **RESULTS:** NOTES: **LANDFARM** CHLORIDE TEST **EMPLOYEE:** PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. COMPANY CONTACT EMS PHONE



MANIFEST # 47183

DATE 6-19-14 JOB# 97057-0645

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

PHONE	E: (505) 632-0615 • 5796	U.S. HIGHWAY 64	• FARMING ION	, NEW ME	XICO 8740	)1				
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	Entenpris Cat C-7	LFII.5	CONT	E-13	20	-	mass	27	1017	Lee Mass
2	4	1 )	13	£.13	20	_	M055	27	1310	\ <b>/</b> /
3	11 11	11.	1/	F13	20		Moss	27	155	Les Mass
4	11	, ,	11	F13	20	_	Moss	27	1805	Loo Mass
					80					
								,		
					-		***************************************			
RESULT	SULTS: LANDFARM A O A NOTES:									
4291	CHLORIDE TEST	EMPLOYEE:	Vary	Koli	me	911				
	PAINT FILTER TEST   Certification of above receival & placement									
3y signing	as the driver/transporter	I certify the material	hauled from the a	bove location	on has not	been add	ded to or tampered	with. I ce	rtify the	material is from the above

by signing do the divisional control in the material material		or tamperous with a cortally the material lie from the above
mentioned Generator/Point of Origin and that no additional mater	rial has been added or mixed into the load.	, a
THANSPORTER CO. MOSS Excavation	NAME LERMOSS	SIGNATURE Las Moss
6 me		DATE 6-19-14
O' t		The state of the s

Signatures required prior to distribution of the legal document.

(3e	n-v-i-ro-1	ech

Signatures required prior to distribution of the legal document.

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

### Bill of Lading

MANIFEST # 47182

DATE 6-19-14 JOB# 97057-0644

COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DESTINATION POINT OF ORIGIN **MATERIAL GRID** YDS **COMPANY** TIME DRIVER SIGNATURE **BBLS** TRK# CONT Entren Prise 20 501 7) ) ) ) ( 20 11 1) 57 11 F13 20 20 11 F-13 11 11 RESULTS: NOTES: LANDFARM CHLORIDE TEST **EMPLOYEE:** PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Challes NAME + an es signature TRANSPORTER CO. 😽 🐍 COMPANY CONTACT PHONE //

(3	env	'irot	ec	h

MANIFEST # \_

DATE 6-19-14 JOB# 97057-0644

PHONE	E: (505) 632-0615 • 57	96 U.	S. HIGHWAY 64	<ul> <li>FARMINGTON</li> </ul>	, NEW ME	XICO 8740	)1				
LOAD		COMP	LETE DESCRIPT	TRANSPORTING COMPANY			NY				
NO.	POINT OF ORIGIN	1	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	ENTERPRISE		LFII5	CONT	2.13	20	-	Yucca	AF6	956	Beathe
2	Cont C /	,,	1)	\ (	E-13	20	-	Yocca	AF4	956	(John May)
3	(1	11		17	È·13	20	_	yucca	AF6	1235	Bullin
4	11	'	1 (	) ;	2.13	20		YUCCOL	AFY	1240	March
5	1 (	1	11	(1	E.13	20		Yucza	AFC	152	Strong
6	11	1,	1,	1,	E.13	20		Yucca	AF4	152	3 Marsh
						120	<b></b>				Po //:
						0 84					3
								 			·
RESULT			LANDFARM	1	01	- E	16	NOTES:			
4291	CHLORIDE TEST	2	EMPLOYEE:	Jay K	oll of the	2000	, 				
	PAINT FILTER TEST	2,		cation of above re				1-444		-116 - 11 -	
	g as the driver/transport d Generator/Point of Ori								with. I ce	the	material is from the above
TRANSPO	ORTER CO. YUCC			NAME	Kead 1	Kogers	<u> </u>	SIGNATURE		ud	1hm
COMPANY	CONTACT EN	7.5	· · · · · · · · · · · · · · · · · · ·	PHONE				DATE 6	19	-14	,

Signatures required prior to distribution of the legal document. White - Company Records, Yellow - Billing, Pink - Customer

		-			_			w	-
MANIFEST	#		A	7	1	7	7		
			-			-			

DATE 1950/14 JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DESTINATION DRIVER SIGNATURE POINT OF ORIGIN MATERIAL **GRID YDS BBLS COMPANY** TRK# TIME IN TOPPESSE CLUAN MOSS GNUERONICH 20 LARSRAL CT FILL EXCAVATEON 1) 1/ U 20 11 11 11 11 11 1, 20 1;  $H^{-1}$ 11 11 11 11 20 40 **RESULTS:** EL NOTES: LANDFARM CHLORIDE TEST EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. MOSS EXCOUNTING NAME LEE MOSS SIGNATURE LEE MOSS

COMPANY CONTACT EMS PHONE DATE 6-19-14

Signatures required prior to distribution of the legal document. White - Company Records, Yellow - Billing, Pink - Customer



MANIFEST # 47176

DATE 19 JUN 14 JOB# 97057-0694

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

LOAD	E: (505) 632-0615 • 5		PLETE DESCRIPT	TRANSPORTING COMPANY			NY				
NO.	POINT OF ORIG	IN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
١	たれていていてい		ENTERPLIESS LATURAL ()	CUEAN FILL		20		RETCHEY	271	725	Popular Rikely
2	1)	11	1 3	1 /		20	_	( )	171	1015	Jan Hill
3	u	1	( )	11	_	20		<b>)</b> -)	L71	1300	Flom TKHON
4	11	11	( (	11		20		11	471	1539	Day XHOL
						40					
							1				
							-				
				· · · · · · · · · · · · · · · · · · ·							
RESULT	S:		LANDFARM		0	EL		NOTES:		<u>.                                    </u>	
	CHLORIDE TEST	1	EMPLOYEE:	Sold							
	PAINT FILTER TEST		Certific	cation of above re	ceival & pla	cement					•

By signing as the driver/transporter, I certify the material hauled		
mentioned Generator/Point of Origin and that no additional mate	erial has been added or mixed into the load.	$GI = G \times I$
mentioned Generator/Point of Origin and that no additional mate	NAME ENVINTAITED BY	SIGNATURE CARM / KITCHY
_ / ·		DATE June 1914
Signatures required prior to distribution of the legal document.		



MANUEEOE #	471	フェ	•
MANIFEST #	417	13	 

DATE 19 JULI 14 JOB# 97057-0649

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

LOAD	СОМ	PLETE DESCRIPT	TON OF SHIPMEN		TRANSP	ORTING	COMPAI	NY		
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	PRIVER SIGNATURE
1:	EMVIROTECH	SNITSPRISS LATURAL CO	CLUS AN FILL		30		quen	AFH	725	1 Paris
2	1,	u .	11	-	20	-	V	AFLO	725	Neadla
3	( (	11	1/		20	~	10		955	Bull
4	11	1(	10	_	20	_	LI	AFY	953	Kingh
5	11	i /	11		20	_	11	ARG	1235	Aug Standard
9	1 (	1/	1 1		20	_	17	AFY	1240	Mark
					120					10 (1
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	JA 124		EL		NOTES:			
	PAINT FILTER TEST	Certific	cation of above red	eival & pla	cement					
	as the driver/transporter, I denerator/Point of Origin a							with I ce	ertify the	material is from the above
TRANSPO	RTER CO. YUCA	· when were the contract to th	_ NAME He	nry Ar	nuta		SIGNATURE	<i>  </i>	Will	
COMPANY Signature:	CONTACT s required prior to distributio	n of the legal docu	PHONE ment.				DATE			

MANIFEST # 47159

DATE 6.18.19 JOB# 97057-0694

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. YDS DESTINATION **GRID** DRIVER SIGNATURE POINT OF ORIGIN MATERIAL **BBLS COMPANY** TRK# TIME ONT ENTERPRISE 20 LFII MOSS SOIL 11 20 )( 10 11 moss 11 A 4 20 M055 11 11 11 60

RESULTS	S:		LANDFARM	1	<i>^ ^ - -</i>	EL	NOTES:	
€291	CHLORIDE TEST	1-	EMPLOYEE:	Cary	Robins	on		·
	PAINT FILTER TEST	l	Certific	cation of above i	receival & placement			
mentioned	g as the driver/transport Generator/Point of O RTER CO. MOS	rigin a		ial material has l	been added or mixed	into the load	led to or tampered with. I certify the m d. SIGNATURE Lee Muse	
COMPANY	CONTACTEMS s required prior to disti	š	of the legal docu	ment.	793-4		SIGNATURE Les MAS DATE 6-18-14	. san kian rannoburum 578,128
				winte - Com	pany necolus, fellow - Billing,	rink - Customer		san kian renochision 478.136

	envirote	ch
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MANIFEST #	47158	 
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DATE 6-18-14 JOB# 97057-0644

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

PHONE	<del>:: (505) 632-0615 • 5/96</del>	U.S. HIGHWAY 64	• FARMING TON	I, NEW ME	XICO 8/40	J1				
LOAD	cc	MPLETE DESCRIP	TION OF SHIPME	NT			TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
/	ENJERPINSE Lot C. 7	LFII	CONT	A3	20		Ritch	171	1000	Em This
2	11	11	11	A3	20		11	L71	1246	Short fill
3	1)	1 1	) )	A.4	20		1)	271	153	The Thisty
					LD					Jan-1-Cy D
									_	
RESULT	S: LANDFARM 1 . D 1 EL NOTES:									
4291	CHLORIDE TEST	EMPLOYEE:	baus	Kal	mag	~				
	PAINT FILTER TEST   Certification of above receival & placement									
Av signing	n as the driver/transporter	I certify the material	hauled from the a	hove location	on has not	heen add	ded to or tampered	with I ce	rtify the	material is from the above

HESULIS	o:		LANDFARM	// .	$\rho$	_ EL	NOTES:
4291	CHLORIDE TEST		EMPLOYEE:	(20)	Kalin	won	
	PAINT FILTER TEST	<u> </u>	Certific	ation of above r	eceival & placem		
mentioned	g as the driver/transpo d Generator/Point of C RTER CO. RILLE	rigin aı	nd that no additiona	al material has b		ixed into the lo	added to or tampered with. I certify the material is from the above load.  SIGNATURE
COMPANY	CONTACT EMS	<i>ç</i> >		PHONE	793-		DATE 6-18-14
Signature	s required prior to dist	ridutior	or the legal docum		any Records, Yellow - E	illing, Pink - Custon	OMO/ San iuan rannoluction 578.195



MANIFEST # 47157

DATE 6.18-14 JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DRIVER SIGNATURE POINT OF ORIGIN DESTINATION **MATERIAL GRID YDS BBLS COMPANY** TIME TRK# CONT ENterprise SOIL ムドフ 20 VUCCA 11 2 " 11 11 11 1/ 11 11 11 11 11 11 11 11 11 11 11 1*TD* **RESULTS:** NOTES: LANDFARM (29) CHLORIDE TEST **EMPLOYEE:** PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. YUC CA NAME Read Rogers SIGNATURE The SIGNATURE TO DATE 6 18.14

Signatures required prior to distribution of the legal document.



Signatures required prior to distribution of the legal document.

### Bill of Lading

MANIFEST#	4715	5		·
DATE 6-1	8-14	JOB#_	9705	7-0644

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

LOAD	COMI	PLETE DESCRIPT					TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	PRIVER SIGNATURE
I	Envirotech.	Entenprise Lat C-7	Clean Fill		20	_	YUCCA	AF4	725	Mary 6
2	D.L	17	17		20		Yucza	AF1	725	- Kear Jan
3	(1	11	1 1	_	,,		11	AF6	1013	Headh
4	11	11	1/		, i		11	AFY	1018	1112
X								AF4	1257	
5	l (	11	1(	j	, ,	(	1/	AF6	125	Benefit
				-	100	<u>.</u>				,
		,							· .	
RESULTS	S:	LANDFARM	Λ	1	, ^	EL	NOTES:	<u>                                     </u>	l	
	CHLORIDE TEST	EMPLOYEE:	Caus,	Kobi	MDG	M				
	PAINT FILTER TEST	Certific	ation of above red	ceival & pla	cement					
By signing mentioned	g as the driver/transporter, I d I Generator/Point of Origin a	certify the material nd that no addition	hauled from the a al material has be	bove location	on has not lor mixed into	been add	led to or tampered i.	with. I ce	rtify the	material is from the above
TRANSPO	CONTACT		NAME	Read	1_Rog	e-/-S	SIGNATURE	1	easy	Ny
COMPANY	CONTACT		PHONE				DATE 6-	18-1	14	



Signatures required prior to distribution of the legal document.

MANIFEST # 47154

DATE 6-18-14 JOB # 97057-06-94

LOAD	E: (505) 632-0615 • 5796 COM	IPLETE DESCRIPT			<u> </u>	<u> </u>	TRANSPO	ORTING	COMPAI	NY
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	SIVIROZEA	ENTERPRESS LATERAL ET	CLOAN FOL		20	_	MOSS OXCAVATION	27	735	Lemos
2	u	17 11	t i		20			27	1028	La moss
3	N	u u	11		20	_	11	27	1310	La Moss La Moss
					60					
<del></del>										
<del></del>										
ESULTS	<u> </u> 	LANDFARM			EL		NOTES:	<u> </u>		
	CHLORIDE TEST	EMPLOYEE:	GARIS	- (H	am R	nde'	NOTES:			
	PAINT FILTER TEST	Certific	ation of above red		cement					
entioner	g as the driver/transporter, I d Generator/Point of Origin	and that no addition:	al material has be	en added o	r mixed into	the load	4		•	
ANSPO	RTER CO. MOSS E	Xeovotion	$\chi$ NAME $\_\ell$	ReM	220	+	SIGNATURE	Lac	mo	<u> </u>
OMPANY	RTER CO. MOSS E CONTACT EMS	on of the legal docur	PHONE_	793-	4426		DATE 6	-18-	14	



MANIFEST# 47153

DATE 18 JUN 14 JOB # 9 7057-0694

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

PHONE	:: (505) 632-0615 • 5796 U	1.5. HIGHWAT 64	• FARIVING TON	, INEVA INE	VICO 9140	J i					
LOAD	СОМ	PLETE DESCRIPT	TION OF SHIPME	NT			TRANSP	TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	ENVIROTECH	CATERAL CT	CLISAN		22	_	RITCHEY	An	725	Elm Hitchy	
2	\1	11	11		20		RITCHEY	634	1000	The state of the s	
3	11	(1	11		20		RITCHEY	576	045	Very Miller	
4					60						
					611						
RESULTS	CHLORIDE TEST	LANDFARM EMPLOYEE:	All	1/30	uj Ro	lmo	NOTES:				
	PAINT FILTER TEST	<u> </u>	cation of above red								
By signing mentioned	as the driver/transporter, I deleted the driver/transporter, I deleted the driver as t	certify the material and that no addition	al material has be	en added o	r mixed_into	the load	d.	1	ertify the	material is from the above	
TRANSPO	RTER CO. KItchy	Truf	NAME _	FluiV	TKL	he)	SIGNATURE	1/1	112/	Kikhy_	
	CONTACT EMI		PHONE	773	4424		DATE	ene			
Signatures	s required prior to distribution	n of the legal docu	ment.				$\mathcal{U}$			,	



MANIFEST # 47141 DATE 6-17-14 JOB # 97057-0644

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

LOAD	COM		TION OF SHIPMEN				TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVE	R SIGNATURE
7	E-tech	ENFERFRISE LAFE-7	elcar Fill	_	20		p1055	27	11:45	Lea	Mass
2	c a	q ce	e e		20		M055	27	14:10	Las	Mass
					40						
								1.			
				-						<del></del> -	
RESULT	S:	LANDFARM 6 / EV		~	NOTES:				——————————————————————————————————————		
	CHLORIDE TEST	EMPLOYEE:	Deline	2							
	PAINT FILTER TEST	Certifi	fication of above receival & placement			_					

By signing as the driver/transporter, I certify the material nauled	from the above location has not been added to	or tampered with. I centify the material	is from the above
mentioned Generator/Point of Origin and that no additional mate	erial has been added or mixed into the load.	0	
TRANSPORTER CO. MOSS EXCOUNTION	NAME Lee MOSS	SIGNATURE Les Misse	
COMPANY CONTACT	PHONE	DATE 6-17-14	
Signatures required prior to distribution of the legal document			

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Signatures required prior to distribution of the legal document.

### Bill of Lading

MANIFEST #	47140	-	<u> </u>

DATE 6-17-14 JOB# 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DRIVER SIGNATURE POINT OF ORIGIN DESTINATION **MATERIAL GRID YDS BBLS** COMPANY TIME TRK# ENTEL MEISC CONF LAFC-7 4 8-3 RESULTS: EL NOTES: LANDFARM CHLORIDE TEST 4291 EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. MCSS EXCOVODION NAME LEE MOSS SIGNATURE LOS MOSS

COMPANY CONTACT \_\_\_\_\_ PHONE \_\_\_\_\_ DATE 6-17-14

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	envirotect	D

Signatures required prior to distribution of the legal document.

# Bill of Lading

MANIFEST # 47136

DATE 6-17-14 JOB # 97057-0644 PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. POINT OF ORIGIN DESTINATION MATERIAL **GRID** YDS **BBLS COMPANY** TRK# TIME DRIVER SIGNATURE ENTERPRISE CONF 20 YUCCA SOIL X Le & C 5 ca 4 Co 120 RESULTS: EL NOTES: LANDFARM 4291 CHLORIDE TEST EMPLOYEE: PAINT FILTER TEST Certification of above receival & placement By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. TRANSPORTER CO. NAME Read Regers SIGNATURE Thank COMPANY CONTACT PHONE DATE

# Bill of Lading

MANIFEST # 47135

DATE 6-17-14 JOB # 97057-0644

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401 COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY LOAD NO. DRIVER SIGNATURE **DESTINATION MATERIAL** GRID YDS **COMPANY** POINT OF ORIGIN **BBLS** TRK# TIME Conf 20 all 3 RESULTS: NOTES: LANDFARM CHLORIDE TEST **EMPLOYEE:** PAINT FILTER TEST / Certification of above receival & placement

1			
	By signing as the driver/transporter, I certify the mater	rial hauled from the above location has not been added to	or tampered with. I certify the material is from the above
	mentioned Generator/Point of Origin and that no addit	tional material has been added or mixed into the load.	$C \setminus \{ \}$
	TRANSPORTER CO.	NAME ELWINT X, tope	SIGNATURE TO THE SIGNATURE
	COMPANY CONTACT	PHONE 17934424	DATE
	Signatures required prior to distribution of the legal do	ocument.	percel 117
	•	White - Company Records, Yellow - Billing, Pink - Customer	San juan reproduction 578-126

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	en	Vir	OTE	ech

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

# Bill of Lading

MANIFEST # 47134 DATE 6-17-14 JOB # 77857-0644

	(000)			,			·			
LOAD	СОМ	ION OF SHIPME	TRANSPORTING COMPANY							
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
l	Envirotech	Lat C-7	Clean	-	20		YUCCA	AFY	\$25	( Constant
2	<b>v</b> )		SOIL		20	1	1 1)	AF6	825	Pulp
3	u u	d d	9 4	_	20	- Carlina	u e	AFG	11:30	Haddle
4	e ce-	u a	4 4		20	-	u	AF Y	11:40	Marsh
5	K Z	g u	u y		20		q u	AFIO	14:55	La de
~	Vois	Phis	live					454	1995	
Ce	s u	u u	c ce		20		u u	AFY	14:55	Marsh
				•	120					
			·							
RESULTS	S:	LANDFARM	1		1 ~		NOTES:			
	CHLORIDE TEST	EMPLOYEE:	Gay	to	ben.	Los	7	<del></del>		
	PAINT FILTER TEST	Certific	cation of above per	ceival & pla	cement					
By signing mentioned	g as the driver/transporter, I de Generator/Point of Origin a	certify the material and that no addition	hauled from the a	bove locati en added d	on has not l	peen add	ded to or tampered v	with. I ce	ertify the	material is from the above
	RTER CO. YUCCIA		1.1		troneta		SIGNATURE	1%	Maj	
	COMPANY CONTACT_HOCKY PHONE DATE 6-17-14									
	s required prior to distribution	n of the legal docu					, = ··· <b></b>	· · · · · · · · · · · · · · · · · · ·	·\	

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Ι,						

# Bill of Lading

MANIFEST # <u>47133</u>

DATE 6-17-14 JOB# 97057-0644

PHONE: (FOE) 600 0615 - 5706 II C HIGHWAY 64 - EADMINGTON NEW MEYICO 97401

LOAD	: (505) 632-0615 • 5796 U COMI	PLETE DESCRIPT			XICO 8740	<i>)</i>	TRANSPO	RTING	COMPAN	
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Envirotech	Enterpris Late 7	FIII	-	20		Ritchy	71.	8/25	Man Thi Jekin
2	e a	¢ ø	5016		20		a la	L71	11:20	Elm TRHERY
3	e u	uu	o u	-	20		U U	271	13:40	from Thekey
					COD					
<u> </u>										
										· · · · · · · · · · · · · · · · · · ·
<u></u>										
		·								
RESULTS	S:  CHLORIDE TEST	LANDFARM EMPLOYEE:	Conus	(l <sub>1</sub> L	inDA	EL	NOTES:			
	PAINT FILTER TEST	Certific	cation of above red	ceival & pla	cement	<u></u>				
	g as the driver/transporter, I of Generator/Point of Origin a	nd that no addition		en added o				with. I ce	<i>Pi</i>	material is from the above

By signing as the driver/transporter, I certify the material hauled		or tampered with. I certify the material is from the above
nentioned Generator/Point of Origin and that no additional mat	erial has been added or mixed into the load.	$C_{1}$ $-\lambda(0)$
TRANSPORTER CO. Litching Treas	NAME ElVIN Tritalier	SIGNATURE home TXI Killey
COMPANY CONTACT 217 5	17/1-	DATE June 14 14
Signatures required prior to distribution of the legal document.		

# Bill of Lading

MANIFEST # 47128

DATE 6-16-14 JOB# 97057-0644

PHONE	: (505) 632-0615 • 5/96 U	.S. HIGHWAY 64	• FARMING ION	, NEW ME.	XICO 8740	<u>)1</u>				
LOAD	. COM	PLETE DESCRIPT	ION OF SHIPME		TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	ENTERPRISS Cat C 7.	LFII	Cont.	D-3	20		Ritchy	L 71	143	o Col Thicke
					20		,			July
1										
										·
-										
							,			
RESULT	<u>                                     </u>	LANDFARM		11	- 1	EL	NOTES:			
<291	CHLORIDE TEST	EMPLOYEE:	bank	alin	200	-				
	PAINT FILTER TEST	Certification of above receival & placement								
By signing	g as the driver/transporter, I d	ertify the material	hauled from the a	bove location	on has not b	been add	led to or tampered	with. I ce	rtify the	material is from the above

2291	CHLORIDE TEST	-1	EMPLOYEE:	(Mugh	Calinso				
	PAINT FILTER TEST	1	Certific		receival & placement				
RANSPO		rigin a	nd that no addition	nal material has  NAME  PHONE  ment.	be above location has not be been added or mixed into the second of the	the load.	SIGNATURE DATE	the material is from	n the above

# Appendix D Laboratory Analytical Reports



# **Analytical Report**

#### **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17098
Samples Received: 6/17/2014 4:55:00PM

Job Number: 03117-0014 Work Order: P406068

Project Name/Location: Lateral C-7

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date:

6/19/14

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.





2101 San Juan Blvd.

Farmington NM, 87401

Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014

Steven Moskal

Reported: 19-Jun-14 09:30

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-110@ 0-18' bgs	P406068-01A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.
SC-108 Base @ 20' bgs	P406068-02A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.
SC-101 @ 0-18' bgs	P406068-03A	Soil	06/17/14	06/17/14	Glass Jar, 4 oz.





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 19-Jun-14 09:30

Farmington NM, 87401

SC-110@ 0-18' bgs

P406068-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021		_							
Benzenc	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		103 %	80-12	20	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: 1,3-1)ichlorobenzene		99.5 %	80-12	20	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	30.9	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager: Steven Moskal

Reported: 19-Jun-14 09:30

## SC-108 Base @ 20' bgs P406068-02 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021						***			
Benzene	ND	0.05	mg/kg	ı	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogale: Bromochlorobenzene		92.8 %	80-	120	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogațe: 1,3-Dichlorobenzene		89.3 %	80-	120	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager: Steven Moskal

Reported: 19-Jun-14 09:30

# SC-101 @ 0-18' bgs P406068-03 (Solid)

		Reporting					-		
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	. <u> </u>								
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogațe: 1,3-Dichlorohenzene		91.2 %	80-1	120	1425015	06/18/14	06/18/14	EPA 8021B	
Surrogate: Bromochlorobenzene		94.8 %	80-1	120	1425015	06/18/14	06/18/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/18/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/18/14	EPA 8015D	





2101 San Juan Blvd. Farmington NM, 87401

Analyte<sup>1</sup>

Project Name:

Lateral C-7

Project Number: Project Manager:

Reporting

Limit

Result

49.3

50.6

03117-0014 Steven Moskal

Spike

Level

Source

Result

%REC

98.6

101

80-120

80-120

%REC

Limits

RPD

Reported: 19-Jun-14 09:30

RPD

Limit

#### Volatile Organics by EPA 8021 - Quality Control

#### **Envirotech Analytical Laboratory**

Units

Blank (1425015-BLK1)		·		Prepared &	Analyzed:	18-Jun-14		
Benzene <sup>1</sup>	ND	0.05	mg/kg					
Toluene ,	ND	0.05	"					
Ethylbenzene	ND	0.05	н					
p,m-Xylene	ND	0.05	n					
o-Xylene	ND	0.05	"					
Total Xylenes	ND	0.05	u					
Total BTEX	ND	0.05	**		•			
Surrogaie: 1,3-1)ichlorobenzene	50.0		ug/I.	50.0	-	100	80-120	
Surrogate: Bromochlorobenzene	51.1		"	50.0		102	80-120	
Duplicate (1425015-DUP1)	Sourc	e: P406068-	01	Prepared &	Analyzed:	18-Jun-14		
Benzene	ND	0.05	mg/kg		ND			30
Toluene <sup>-</sup>	ND	0.05	н		ND			30
Ethylbenzene	ND	0.05	"		ND			30
p,m-Xylene	ND	0.05	**		ND	,		30
o-Xylene	ND	0.05	**		ND	•		30
Surrogațe: 1,3-Dichlorobenzene	47.6		ug/l.	50.0		95.3	80-120	
Surrogate: Bromochlorobenzene	48.6		"	50.0		97.1	80-120	
Matrix Spike (1425015-MS1)	Sourc	e: P406068-	01	Prepared &	Analyzed:	18-Jun-14		
Benzene	45.0		ug/L	50.0	ND	90.0	39-150	
Toluene	45.1		**	50.0	ND	90.3	46-148	
Ethylbenzene	44.7		**	50.0	ND	89.5	32-160	
p,m-Xylene	89.9		ч	100	ND	89.9	46-148	
o-Xylene	45.2		"	50.0	ND	90.4	46-148	

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5796 US Highway 64, Farmington, NM 87401

Surrogate: 1,3-Dichlorohenzene

Surrogate: Bromochlorobenzene

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

50.0

50.0

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

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





2101 Şan Juan Blvd.

Farmington NM, 87401

Project Name:

Lateral C-7

Project Number:

03117-0014

Reported:

Project Manager:

Steven Moskal

19-Jun-14 09:30

## Nonhalogenated Organics by 8015 - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425015 - Purge and Trap EPA 5030A										
Blank (1425015-BLK1)				Prepared &	z Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg							
Duplicate (1425015-DUP1)	Soui	rce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	-	ND				30	
Matrix Spike (1425015-MS1)	Soui	rce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	0.42		mg/L	0.450	ND	93.1	75-125			





2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number:

03117-0014

Reported:

Project Manager:

Steven Moskal

19-Jun-14 09:30

#### 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 1425016 - DRO Extraction EPA 3550C										
Blank (1425016-BLK1)				Prepared &	: Analyzed:	18-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425016-DUP1)	Sour	e: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		30.9				30	
Matrix Spike (1425016-MS1)	Sour	e: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Diesel Range Organics (C10-C28)	230		mg/L	250	29.3	80.2	75-125			





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal Reported:

19-Jun-14 09:30

#### Notes and Definitions

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference



# **CHAIN OF CUSTODY RECORD**

Client:			ject Name / Location	on:									Α	NALY	/SIS	/ PAF	RAME	ETER	3			
Saule miller & ASSD Email results to: Steven moskalesaul	clates_		teal C-7	· · · · · · ·							1							<u>-</u> -		<del></del>		
Email results to:		Sar	•	A					(E)	021	6											
steren moskalpsonde	millerc	ow 5	tere mosk	<u>ul</u>					8	8 9	8	sls	ا ا		۵.	7						_
Client Phone No.:		Cité	ent No.:						일	ag.	[울	/letz	nioi		Ήι	910	<del>-</del>	w			00	ıtac
(505) 215-9812/1505	325-75	35 5	122855 BC	312					Met	Ž	Me	8	\ \		with	ple	418	문			e C	e L
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume ntainers	Pr HNO <sub>3</sub>	eservat HCI	ive	TPH (Method 8015)	RTEX (Method 8021	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
5C-110@0:18'bys	6/17/14	1400	P406068-01	1×L	tor				X	X											Y	Y
5C-110@0:18' bys SC-108 Base@20' bys SC-101 @0-18' bys		1410	P406068-02						X	X											1	
SC-101@0-18'695	4	1455	P406068-03	A	<i></i>				X	X											4	7
7																						
					·																	
Relinquished by: (Signature)				Date	Time	Recei	ved b	y: (S	ignati	ure)									<u>'</u>	Date	Ti	me
Relinquished by: (Signature)				6/17/14	1655	Recei	ved b	y: (Si	ignatr	ure)				<i>                                     </i>	7					6/17/1	416	55
Sample Matrix									•												+	
Soil Solid Sludge	Aqueous [	Other 🗆																				
Sample(s) dropped off after					P N S																	



# **Analytical Report**

#### **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17101
Samples Received: 6/18/2014 4:05:00PM

Job Number: 03117-0014 Work Order: P406070

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

Date: 6/20/14

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2101 San Juan Blvd.

Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 20-Jun-14 12:03

Farmington NM, 87401

# **Analyical Report for Samples**

Client	Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-11	6 W Wall @ 8-12'	P406070-01A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-11	5 @ 15' bgs (base)	P406070-02A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-10	0 @ 6' bgs (base)	P406070-03A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.
SC-11	7 NW Wall @ 0-12'	P406070-04A	Soil	06/18/14	06/18/14	Glass Jar, 4 oz.





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 20-Jun-14 12:03

Farmington NM, 87401

Project Manager: Steven Moskal

# SC-116 W Wall @ 8-12' P406070-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg.	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	ı	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	I	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.6 %	80-1	20	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogale: 1,3-Dichlorobenzene		97.4 %	80-1.	20	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

20-Jun-14 12:03

# SC-115 @ 15' bgs (base) P406070-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021						<u> </u>			
Benzene Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	t	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.7 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.0 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401

Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 20-Jun-14 12:03

SC-100 @ 6' bgs (base) P406070-03 (Solid)

	D (	Reporting	** *	5.11 ·					
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		91.4 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		90.0 %	80-	120	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015		-	1011-011-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					T	
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported: 20-Jun-14 12:03

# SC-117 NW Wall @ 0-12' P406070-04 (Solid)

1 1									
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
p,m-Xylene .	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.2 %	80-12	20	1425015	06/18/14	06/19/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		91.7%	80-1.	20	1425015	06/18/14	06/19/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425015	06/18/14	06/19/14	EPA 8015D	_
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425016	06/18/14	06/19/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

20-Jun-14 12:03

#### Volatile Organics by EPA 8021 - Quality Control

#### **Envirotech Analytical Laboratory**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Satch 1425015 - Purge and Trap EPA 5030A										
Blank (1425015-BLK1)				Prepared &	Analyzed:	18-Jun-14				
Benzene	ND	0.05	mg/kg							
oluenc	ND	0.05	*							
thylbenzene	ND	0.05	•							
m-Xylene	ND	0.05	•							
-Xylene	ND	0.05								
otal Xylenes	ND	0.05	"							
otal BTEX	ND	0.05								
urrogule: 1,3-Dichlorobenzene	50.0		ug/L	50.0		100	80-120			
urrogule: Bromochlorobenzene	51.1		"	50.0		102	80-120			
Puplicate (1425015-DUP1)	Sou	rce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
enzene .	ND	0.05	mg/kg		ND				30	
oluene	ND	0.05	"		ND				30	
thylbenzene	ND	0.05	**		ND				30	
m-Xylene	ND	0.05	17		ND				30	
-Xylene	ND	0.05	**		ND				30	
urrogate: 1,3-Dichlorobenzene	47.6		ug/L	50.0		95.3	80-120			
urrogate: Bromochlorobenzene	48.6		"	50.0		97.1	80-120			
1atrix Spike (1425015-MS1)	Sou	rce: P406068-	01	Prepared &	. Analyzed:	18-Jun-14				
enzene	45.0		ug/L	50.0	ND	90.0	39-150		-	
oluene	45.1		n	50.0	ND	90.3	46-148			
thytbenzene	44.7		"	50.0	ND	89.5	32-160			
m-Xylene	89.9		**	100	ND	89.9	46-148			
-Xylene	45.2		**	50.0	ND	90.4	46-148			
urrogate: 1,3-Dichlorohenzene	49.3		"	50.0		98.6	80-120			
lurrogate: Bromochlorobenzene	50.6		"	50.0		101	80-120			

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager:

Steven Moskal

Reported:

20-Jun-14 12:03

# 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 1425015 - Purge and Trap EPA 5030A										
Blank (1425015-BLK1)				Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg							
Duplicate (1425015-DUP1)	Sour	rce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425015-MS1)	Sour	rce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Gasoline Range Organics (C6-C10)	0.42		mg/L	0.450	ND	93.1	75-125			





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported:

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20-Jun-14 12:03

# 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 1425016 - DRO Extraction EPA 3550C										
Blank (1425016-BLK1)				Prepared &	z Analyzed:	18-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425016-DUP1)	Sou	rce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		30.9			-	30	
Matrix Spike (1425016-MS1)	Sour	rce: P406068-	01	Prepared &	Analyzed:	18-Jun-14				
Diesel Range Organics (C10-C28)	230		mg/L	250	29.3	80.2	75-125			





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 20-Jun-14 12:03

Notes and Definitions

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference



# CHAIN OF CUSTODY RECORD

Client:			oject Name / Location	on:			•	-					Α	NALY	SIS.	/ PAF	RAME	TER	s	-		
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	Sample	Sample	,	1	Volume	Pi	reservati	ive	TPH (Method	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	_	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Sample No./ Identification	Date	Time	Lab No.		ntainers	HNO <sub>3</sub>	HCI	<u>رت</u> ک	IF	ВТ	OA	RC	Sa	泛	2	8	且	공			Sar	Sar
ix-116 m mall 212	61814	1322	P406070-01	1x	403			1								:					Y	Y
S-115 @ 15' bgs (base)		1337	P406070-02			_		1	$\prod$											_		
SC-100 @6' bys (base)		1420	P406070-03			_		$\perp$													1	
SC-117 NO UNITED-12'		1432	P406070-0	<u> </u>	<u> </u>			4	1	V												
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Page 11 of 11



# **Analytical Report**

## **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17107

Samples Received: 6/20/2014 7:05:00AM

Job Number: 03117-0014 Work Order: P406076

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

\_\_\_\_

6/24/14

Date:

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 6/24/14 11:11 am

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.





2101 San Juan Blvd. Farmington NM, 87401 Proj

Lateral C-7

Project Name: Project Number: Project Manager:

03117-0014 Steven Moskal

**Reported:** 24-Jun-14 11:12

# **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-118 NW Corner @ 0-20'	P406076-01A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-119 N. Wall Corner @ 5-20'	P406076-02A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-121 N. Base @ 23'	P406076-03A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-122 S. Base @ 15'	P406076-04A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-123 S. Of E. Wall 0-15'	P406076-05A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-124 SE Wall Corner @ 0-16'	P406076-06A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-126 E Wall @ 0-17'	P406076-07A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-127 NE Wall @ 6-18'	P406076-08A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.
SC-128 N. Wall @ 5-20'	P406076-09A	Soil	06/19/14	06/20/14	Glass Jar, 4 oz.





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 24-Jun-14 11:12

SC-118 NW Corner @ 0-20' P406076-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg l	ı	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg 1	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg 1	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg 1	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg 1	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogaie; Bromochlorobenzene		100 %	80-12	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %	80-12	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg 1	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/20/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal Reported: 24-Jun-14 11:12

# SC-119 N. Wall Corner @ 5-20' P406076-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution -	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	I	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	. ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-1)ichlorobenzene		99.5 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.9 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/20/14	EPA 8015D	

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014

**Reported:** 24-Jun-14 11:12

Steven Moskal

\_\_\_\_

# SC-121 N. Base @ 23' P406076-03 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	<u> </u>								
Benzene	ND	0.05	mg/kg	l	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	I	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	I	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		100 %	80-12	20	1425028	06/20/14	06/20/14	EPA 8021B	·
Surrogate: Bromochlorobenzene		99.5 %	80-12	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015				ė					
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	I	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	ı	1425029	06/20/14	06/20/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported: 24-Jun-14 11:12

Farmington NM, 87401

Project Manager:

Steven Moskal

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# SC-122 S. Base @ 15' P406076-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes ,	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.8 %	80-	-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		96.2 %	80-	-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.8	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014

Steven Moskal

Reported: 24-Jun-14 11:12

# SC-123 S. Of E. Wall 0-15' P406076-05 (Solid)

	n t	Reporting	** **	D21 - 2	D . I	D 1			N
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	. 06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.3 %	80-1.	20	1425028	06/20/14	06/20/14	EPA 8021B	<u>.</u>
Surrogate: 1,3-Dichlorobenzene		98.5 %	80-1.	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015	. <u> </u>								
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal-

**Reported:** 24-Jun-14 11:12

SC-124 SE Wall Corner @ 0-16' P406076-06 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	l	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	i	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1.	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	. 0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	_
Surrogate: Bromochlorobenzene		98.2 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorohenzene		99.6 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015				TIME I					
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager:

Steven Moskal

Reported: 24-Jun-14 11:12

# SC-126 E Wall @ 0-17' P406076-07 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluenė ,	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	i	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		106 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %	80-	120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

24-Jun-14 11:12

## SC-127 NE Wall @ 6-18' P406076-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
				·			,		
Volatile Organics by EPA 8021 Benzene	ND	0.05	nıg/kg		1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	i.	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		109 %	80-1	120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		110 %	80-1	120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	i	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	ŧ	1425029	06/20/14	06/23/14	EPA 8015D	

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5796 US Highway 64, Farmington, NM 87401

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

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





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal **Reported:** 24-Jun-14 11:12

## SC-128 N. Wall @ 5-20' P406076-09 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		105 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		108 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015						····			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number:

03117-0014

Project Manager:

Steven Moskal

**Reported:** 24-Jun-14 11:12

## **Volatile Organics by EPA 8021 - Quality Control**

#### **Envirotech Analytical Laboratory**

Analyte	Danile	Reporting Limit	Maria.	Spike	Source	0/DEC	%REC	DDD	RPD	N
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1425028 - Purge and Trap EPA 5030A										
Blank (1425028-BLK1)				Prepared: 2	20-Jun-14 A	Analyzed: 2	23-Jun-14			
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	**							
Ethylbenzene	ND	0.05	"							
o,m-Xylene	ND	0.05								
p-Xylene	ND	0.05	н							
Total Xylenes	ND	0.05	*							
Total BTEX	ND	0.05								
Surrogale: 1,3-Dichlorobenzene	-18.5		ug/L	50.0		96.9	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.5	80-120			
Ouplicate (1425028-DUP1)	Sou	rce: P406076-	01	Prepared: 2	20-Jun-14 A	Analyzed: 2	23-Jun-14			
Benzene	ND	0.05	mg/kg		ND				30	
Foluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	h		ND				30	
p,m-Xylene	ND	0.05	*		ND				30	
o-Xylene	ND	0.05			ND				30	
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		97.1	80-120			
Surrogale: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			
Matrix Spike (1425028-MS1)	Sou	rce: P406076-	01	Prepared: 2	20-Jun-14 A	Analyzed: 2	23-Jun-14			
Benzene	50.2		ug/L	50.0	ND	100	39-150			
<b>Toluene</b>	50.2		Ħ	50.0	ND	100	46-148			
Ethylbenzene	50.4		"	50.0	ND	101	32-160			
o,m-Xylene	101		11	100	ND	101	46-148			
o-Xylene	50.4		**	50.0	ND	101	46-148			
Surrogale: 1,3-Dichlorohenzene	49.2		"	50.0		98.5	80-120			
Surrogate: Bromochlorobenzene	50.9		"	50.0		102	80-120			





2101 San Juan Blvd.

Project Name: Project Number: Lateral C-7

Farmington NM, 87401 Project Manager:

03117-0014 Steven Moskal

Reported:

24-Jun-14 11:12

### 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 1425028 - Purge and Trap EPA 5030A								_		
Blank (1425028-BLK1)				Prepared: 2	20-Jun-14	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1425028-DUP1)	_Sour	ce: P406076-0	1	Prepared: 2	20-Jun-14	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425028-MS1)	Sour	ce: P406076-0	1	Prepared: 2	20-Jun-14	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	0.51		mg/L	0.450	ND	113	75-125			-





210 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014

Steven Moskal

**Reported:** 24-Jun-14 11:12

#### Nonhalogenated Organics by 8015 - Quality Control

#### **Envirotech Analytical Laboratory**

1 '										
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
D . 1 1425020 DDO F										
Batch 1425029 - DRO Extraction EPA 3550C					_					
Blank (1425029-BLK1)				Prepared &	Analyzed:	20-Jun-14				
Diesel Range Organics (C10-C28)	ND	30,0	mg/kg							
Duplicate (1425029-DUP1)	Sour	ce: P406076-	01	Prepared &	: Analyzed:	20-Jun-14				
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	
	_									
Matrix Spike (1425029-MS1)	Sour	e: P406076-	01	Prepared: 2	20-Jun-14 /	Analyzed: 2	3 <b>-J</b> un-14			
Diesel Range Organics (C10-C28)	454		mg/L	250	6.00	179	75-125			SPK1

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5796 US Highway 64, Farmington, NM 87401

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

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





Project Name:

Lateral C-7

210] San Juan Blvd.

Project Number:

03117-0014

**Reported:** 24-Jun-14 11:12

Farmington NM, 87401

Project Manager:

Steven Moskal

#### Notes and Definitions

SPK.1

The spike recovery for this QC sample is outside of control limits.

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference



# CHAIN OF CUSTODY RECORD

Client:	t: Project Name / Location:  Lateral C-7  Location: Sampler Name:													Al	NALY	'SIS	/ PAF	RAME	TER	s			
Sorger Will EX	ROS		1 295	notered Co	-7_						$\overline{a}$				1					<del>-</del> -		<del></del>	
i Ellian results to.			Jai	npier Hame.		٨				8015)	8021)	8260)											
Steven moskes (25)	sull	mil		Stere M	los Kor	<u></u>		<del></del>			8 pg	9 p	als	ڃ		٩	910-1					_	5
				ent No.:		,				(Method	(Method	(Method	8 Metals	Anion		with H/P		8.1)	DE	1		8	Intact
505 2159812	Sam	nla	Sample	122855			Pr	eservativ		\$		Ž	A 8	\ N			Table	ГРН (418.1)	ORI			be d	be
Sample No./ Identification	Da		Time	Lab No.		Volume ntainers	нио3			TPH	ВТЕХ	00 00 00 00 00 00 00 00 00 00 00 00 00	RCRA	Cation /	<u>2</u>	TCLP	CO Table	TPH	CHLORIDE			Sample Cool	Sample
8-118 NM comes @030'	4/10	44	1038	P406076-01	1 x	407				X	X											V	ı
SC-19 N. May @ 5-20'		<u> </u>	1105	P406076-02			ļ			X	X									$\perp$		V	
SC-121 N. Bose @23			1145	P40100710-03	i		_			X	X											V	
SC-122 S. Brog 015'			1315	240100710-04						X	X										_	V	
SC-123 S. of E. wall 05	•		1318	P406076-05					/	X	X											~	
SC-124 SE WALLOWAY	10-16	-	<u>1330</u>	P4010716-06						X	X											V	
8-126 Euall-0-17		<del> </del>	1424	2404074-07	_		<u> </u>			X	X											V	
SC-127 NE WALLEGE18'		<u> </u>	153३	P406016-08			-			X	X										$\perp$	v	1
SC-128 N. vall \$5.20'		V	1602	P406016-09		<del></del>				X	X											<u> </u>	
Relinquished by: (Signature)					Date	Time	Rece	ived by	v: (Sic	nati	ıre)										T Dat	te   7	ime
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Relinquished by: (Signature)							Recei	ived by	y: ( <del>Si</del> g	majr	Ire)												
Sample Matrix														. <del></del>						-			$\neg$
Soil																					<u> </u>		
Sample(s) dropped off after $\mathbb{R} \mathbb{R} \mathbb{R} \mathbb{R}$	hours	to sed	cure drop of	f area.	3	V ¶ € And	/       (	) } €	€ C	tory	)	I	1.7	_		]/	.9		1	1.2	-		
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## **Analytical Report**

### **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17110

Samples Received: 6/20/2014 2:20:00PM

Job Number: 03117-0014 Work Order: P406079

Project Name/Location: Lateral C-7

		,			
Entire Report Reviewed By:			Date:	6/24/14	
	Tim Cain Lab	oratony Managor			

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.



2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 24-Jun-14 12:05

## **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
SC-125 E Base @ 21'	P406079-01A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.	
SC-130 N Wall @ C-7 8-20'	P406079-02A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.	
SC-131 E Wall @ RP 8-12'	P406079-03A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.	
SC-131 E Wall @ RP 12-20'	P406079-04A	Soil	06/20/14	06/20/14	Glass Jar, 4 oz.	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

24-Jun-14 12:05

## SC-125 E Base @ 21' P406079-01 (Solid)

		Reporting			•				
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021			7.0.0						
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	ı	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorohenzene		104 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager: Steven Moskal

**Reported:** 24-Jun-14 12:05

## SC-130 N Wall @ C-7 8-20' P406079-02 (Solid)

,		Reporting				,			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Велгене	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		104 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-Dichlorohenzene		103 %	80-1	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 24-Jun-14 12:05

Farmington NM, 87401

Project Manager:

Steven Moskal

## SC-131 E Wall @ RP 8-12' P406079-03 (Solid)

		Reporting						
Analyte	Result	Limit	Units Dil	ution Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021		<u></u> _						
Benzene	ND <sup>*</sup>	0.05	mg/kg l	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg 1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg l	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg l	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg l	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg 1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg l	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.4 %	80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: 1,3-1)ichlorobenzene		94.5 %	80-120	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015								
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg I	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg 1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager:

Steven Moskal

**Reported:** 24-Jun-14 12:05

# SC-131 E Wall @ RP 12-20' - P406079-04 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021								···- <u>-</u>	
Benzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	l	1425028	06/20/14	06/20/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8021B	
Surrogate: Bromochlorobenzene		101 %	80-12	20	1425028	06/20/14	06/20/14	EPA 8021B	·
Surrogale: 1,3-Dichlorobenzene		101 %	80-12	20	1425028	06/20/14	06/20/14	EPA 8021B	
Nonhalogenated Organics by 8015	·								
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1425028	06/20/14	06/20/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1425029	06/20/14	06/23/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported:

24-Jun-14 12:05

## Volatile Organics by EPA 8021 - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte Batch 1425028 - Purge and Trap EPA 5030A	Result	Limit							RPD	
Batch 1425028 - Purge and Trap EPA 5030A			Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Blank (1425028-BLK1)				Prepared: 2	20-Jun-14 A	nalyzed: 2	3-Jun-14		-	
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	•							
o-Xylene	ND	0.05	н							
Total Xylenes	ND	0.05	•							
Total BTEX	ND	0.05	п							
Surrogate: 1,3-Dichlorobenzene	48.5		ug/L	50.0		96.9	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.5	80-120			
Duplicate (1425028-DUP1)	Sou	rce: P406076-	01	Prepared: 2	20-Jun-14 A	nalyzed: 2	3-Jun-14			
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	n		ND				30	
Ethylbenzene	ND	0.05			ND				30	
p,m-Xylene	ND	0.05			ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-1)ichlorobenzene	48.5		ug/l.	50.0		97.1	80-120			
Surrogate: Bromochlorobenzene	49.8		"	50.0		99.6	80-120			
Matrix Spike (1425028-MS1)	Sou	rce: P406076-	01_	Prepared: 2	0-Jun-14 A	nalyzed: 2	3-Jun-14		<u>.                                    </u>	
Benzene	50.2		ug/L	50.0	ND	100	39-150			
   Foluene	50.2		"	50.0	ND	100	46-148			
Ethylbenzene	50.4		47 *	50.0	ND	101	32-160			
o,m-Xylene	101		**	100	ND	101	46-148			
-Xylene	50.4		н	50.0	ND	101	46-148			
Surrogate: 1,3-Dichlorohenzene	49.2	····	"	50.0	<del>.</del>	98.5	80-120		· · · · · ·	
Surrogate: Bromochlorobenzene	50.9		,,	50.0		102	80-120			

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5796 US Highway 64, Farmington, NM 87401

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





2101 San Juan Blvd.

Project Name:

Lateral C-7

Project Number:

03117-0014 Steven Moskal

**Reported:** 24-Jun-14 12:05

Farmington NM, 87401 Project Manager:

## 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 1425028 - Purge and Trap EPA 5030A									_	
Blank (1425028-BLK1)				Prepared: 2	20-Jun-14	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1425028-DUP1)	Source: P406076-01 F			Prepared: 2	20-Jun-14	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
Matrix Spike (1425028-MS1)	Source: P406076-01 Pr			Prepared: 2	20-Jun-14	Analyzed: 2	3-Jun-14			
Gasoline Range Organics (C6-C10)	0.51		mg/L	0.450	ND	113	75-125			

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2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014

Steven Moskal

**Reported:** 24-Jun-14 12:05

## Nonhalogenated Organics by 8015 - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike - Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1425029 - DRO Extraction EPA 3550C										
Blank (1425029-BLK1)				Prepared &	: Analyzed:	20-Jun-14			_	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1425029-DUP1)	Sour	ce: P406076-	01	Prepared &	Analyzed:	20-Jun-14		_		
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg		ND				30	
Matrix Spike (1425029-MS1)	Sour	ce: P406076-	01	Prepared: 2	0-Jun-14	Analyzed: 2	3-Jun-14	_		
Diesel Range Organics (C10-C28)	454		mg/L	250	6.00	179	75-125			SPKI





2101 San Juan Blvd. Farmington NM, 87401 Project Name: Project Number: Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 24-Jun-14 12:05

**Notes and Definitions** 

SPK1 The spike recovery for this QC sample is outside of control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



# CHAIN OF CUSTODY RECORD

Client:			oject Name / Location						Α	NALY	'SIS	/ PAF	RAME	ETER	s							
SMM			steal C-	<u>. ]</u>						ļ			,									]
Email results to:			mpler Name:	٨					2)	21)	(g											
Heren Moskal Bouder	nillericon		Here mosk	<u>rel</u>					80	98 p	82(	<u>s</u>	_		_	5						
Client Phone No.: 505 205 9812		Clie	ent No.: 5122855	0311	7-00	4			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CÓ Table 910-1	118.1)	RIDE			e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume ntainers	Pr HNO <sub>3</sub>	eservat HCI	ive	трн (Л	втех	VOC (	RCRA	Cation	RCI	TCLP	CÒ Tai	TPH (418.1)	снговіре			Sample Cool	Sample
8C-125 E. Base @ 21'	<i>612011</i> 4	1000	P404079-01	1-4	zjar				Χ	K											<b>✓</b>	M
SC-130 W. WALLOC-7 820		1050	P406079-02						K	X											\ <u>\</u>	V
36131 Eurli QRP 8-12'		1112	P406079-03						X	X										_	$\bigvee$	
SC131 E. UNIL DRP 12-26	V	1114.	P406019-04		/				X	X					_					_	<b>V</b>	<b> </b>
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Relinquished by: (Signature)				1		Recei	ived b	y: <b>(</b> 8	ignat	ure)			•					•			1	
Sample Matrix	<b>A</b>	3 Other [7]																<del></del>				$\neg$
Soil Solid Sludge				l			***		- 1											_		
☐ Sample(s) dropped off after	hours to see	cure drop of	it area.	ء (	nv	ire	<b>\ †</b> .	<b>~</b>	~ <u> </u>	<b>1</b>	14	8										
RUSH				2	Anal	ytic	al La	bore	<b>→ I</b> ator	■ / y /.	7:	5										
5795 US Highway 64	4 • Farminat	on NM 8740	)1 • 505-632-0615 • 1	hree Spr	inas • 65 N	hercar	do Stra	2 + 4	riita 1	15 D	urana	10 C	<b>7 81</b> 3	101 a	lahar	aton	രിക്ക	irota	ch_inc			



# **Analytical Report**

## **Report Summary**

Client: Souder Miller & Associates
Chain Of Custody Number: 17122

Samples Received: 6/23/2014 4:50:00PM

Job Number: 03117-0014 Work Order: P406093

Project Name/Location: Lateral C-7

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

6/25/14

Date:

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.





2101 San Juan Blvd.

Project Name:

Lateral C-7

Project Number: Project Manager: 03117-0014 Steven Moskal

**Reported:** 25-Jun-14 13:59

Farmington NM, 87401

## **Analyical Report for Samples**

Client	Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Road (	@ 0-6'	P406093-01A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.
SC-13	2 Base Mid of E Wall @23'	P406093-02A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.
SC-13	3 EWall Mid @6-23'	P406093-03A	Soil	06/23/14	06/23/14	Glass Jar, 4 oz.





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014

Steven Moskal

**Reported:** 25-Jun-14 13:59

## Road @ 0-6' P406093-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						spared	, mary 200		
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg l	l	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg l	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg I	l	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg I	ı	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg 1	ı	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg 1	ı	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg I	l	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		118 %	80-12	20	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogale: 1,3-Dichlorobenzene		115 %	80-12	20	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg l	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg 1	I	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

210 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Reported:

Project Manager: Steven Moskal

25-Jun-14 13:59

## SC-132 Base Mid of E Wall @23' P406093-02 (Solid)

		Reporting	•						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	<u></u>								
Benzene	1.59	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	32.3	0.05	mg/kg	ì	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	7.75	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	55.4	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	14.4	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	69.8	0.05	mg/kg	í	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	111	0.05	mg/kg	i	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		153 %	80-	-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogale: 1,3-Dichlorobenzene		236 %	80-	-120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015		***							
Gasoline Range Organics (C6-C10)	644	5.00	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	152	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 25-Jun-14 13:59

Farmington NM, 87401

Project Manager: Steven Moskal

## SC-133 EWall Mid @6-23' P406093-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	39.1	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	206	0.05	mg/kg	Ţ	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	28.9	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	170	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	50.7	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	221	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	494	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogaie: 1,3-Dichlorobenzene		166 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		160 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	S-02
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	1330	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	377	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager:

Steven Moskal

**Reported:** 25-Jun-14 13:59

## Volatile Organics by EPA 8021 - Quality Control

#### **Envirotech Analytical Laboratory**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1426009 - Purge and Trap EPA 5030A										
Blank (1426009-BLK1)				Prepared &	z Analyzed:	24-Jun-14				
Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	u							
p,m-Xylene	ND	0.001	"							
o-Xylene	ND ,	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001						•		
Surrogate: 1,3-Dichlorobenzene	55.1		ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			
Duplicate (1426009-DUP1)	Sour	ce: P406093-	01	Prepared &	z Analyzed:	24-Jun-14				
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	n		ND				30	
Ethylbenzene	ND	0.05	"		ND				30 .	
p,m-Xylene	ND	0.05	н		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		n	50.0		124	80-120			S-02
Matrix Spike (1426009-MS1)	Sour	ce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Benzene	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		**	50.0	ND	106	46-148			
Ethylbenzene	51.9		*	50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		"	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorohenzene	57.6		"	50.0		115	80-120			
***										

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5796 US Highway 64, Farmington, NM 87401

Surrogate: Bromochlorohenzene

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

50.0

80-120

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2101 San Juan Blvd.

Project Name:

Lateral C-7

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

25-Jun-14 13:59

### 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 1426009 - Purge and Trap EPA 5030A						<u></u>				
Blank (1426009-BLK1)	126009-BLK1)									
Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg		-				-	
Duplicate (1426009-DUP1)	Sour	rce: P406093-	Prepared &	Analyzed:	24-Jun-14					
Gasoline Range Organics (C6-C10)	7.59	4.99	mg/kg					30		
Matrix Spike (1426009-MS1)	Sour	ce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Gasoline Range Organics (C6-C10)	0.46		mg/L	0.450	ND	102	75-125			

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401

Diesel Range Organics (C10-C28)

Project Number:

Reporting

03117-0014

**Reported:** 25-Jun-14 13:59

RPD

Project Manager:

Steven Moskal

Spike

Source

6.00

%REC

75-125

#### Nonhalogenated Organics by 8015 - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1426010 - DRO Extraction EPA 3550C										
Blank (1426010-BLK1)	<del></del>		- <del></del>	Prepared &	: Analyzed:	24-Jun-14	-		<u>-</u>	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1426010-DUP1)	Sourc	e: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1426010-MS1)	Sourc	e: P406093-	01	Prepared &	: Analyzed:	24-Jun-14				

mg/L

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Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number: Project Manager: 03117-0014 Steven Moskal

Reported:

25-Jun-14 13:59

#### **Notes and Definitions**

S-02

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference



# **CHAIN OF CUSTODY RECORD**

Client:	·		oject Name / Location										Α	NAL	/SIS	/ PAF	RAME	ETER	 IS			
Source Miller # Ass Email results to:	Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z. Z		mpler Name:										· - 1					<u> </u>		<b>T</b>	$\top$	$\dashv$
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Client Phone No.:	MAINE. COL		ent No.:	•					8 pc	рg	od 8	stals	ion		H/P	10-1	_				7	ᇗ
505 215 9812			5122859	0311	7-06	14			letho	Met	/leth	<b>₩</b>	/ An		vith	le 9	18.1	3DE			ع ا	3   #
Sample No./ Identification	Sample Date	Sample Time	Lab No.		Volume Intainers	Pr HNO <sub>3</sub>	eservati	ive	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Recal @ 10-6			P406093-01	1×1	102				X	×				_	•	)					Ÿ	Y
5-132 Pose mill of Euch	923'			۱ ،					×	x												
SC-133 Einall mid Olos	3'	1547	P406093-03		/				×	X											7	- 4
			P406043-US *														_					
																					T	
										·												
Relinquished by: (Signature)	<u> </u>			Date	Time	Recei	ved b	y: (Si	gnat	ure)			<u> </u>			`		1		Da	te	Time
Ata how		,		6/23/14	650				,					m						1/2	14	1650
Relinquished by: (Signature)						Recei	ived b	y: (Si	gnati	ure)												
Sample Matrix																				-		
Soil Solid Sludge				<u></u>	<u> </u>																$\perp$	
Sample(s) dropped off after	hours to see	cure drop of	ff area.	3	en V	ir (	) † c	e (	: h	1	0.5 0.4 0.0	, )										
5795 US Highway 6	4 • Farminat	on, NM 8740	01 • 505-632-0615 • 1										0 813	301 •	labor	atorv	∕@en	virote	ch-inc	1 5-	20.44	2 0 1 1 1

<del>миноковити</del> Р



## **Analytical Report**

#### **Report Summary**

Client: Souder Miller & Associates

Chain Of Custody Number: 17128

Samples Received: 6/24/2014 4:20:00PM

Job Number: 03117-0014 Work Order: P406102

Project Name/Location: Lateral C-7

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

....

Date:

6/26/14

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.



2101 San Juan Blvd. Farmington NM, 87401 Project Name:

Lateral C-7

Project Number:

03117-0014

**Reported:** 26-Jun-14 12:35

Project Manager:

Steven Moskal

## **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-136 E Wall @ 6-20'	P406102-01A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
SC-137 S Wall @ 6-20'	P406102-02A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.
SC-132 E Base @ 33.5'	P406102-03A	Soil	06/24/14	06/24/14	Glass Jar, 4 oz.





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

Reported:

Farmington NM, 87401

Project Manager:

Steven Moskal

26-Jun-14 12:35

## SC-136 E Wall @ 6-20' P406102-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
				2		Торилос			
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	t	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		95.3 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorohenzene		96.9 %	80-	120	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Project Manager: Steven Moskal

**Reported:** 26-Jun-14 12:35

## SC-137 S Wall @ 6-20' P406102-02 (Solid)

· · ·									
Apolyto	Result	Reporting Limit	Units	Dilution	Datab	Demonst	Amalusad	Markad	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021	<u> </u>								
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	ND_	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		94.0 %	80-12	20	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.1 %	80-12	20	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 26-Jun-14 12:35

Farmington NM, 87401

Project Manager: Steven Moskal

## SC-132 E Base @ 33.5' P406102-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
p,m-Xylene	0.13	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total Xylenes	0.13	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Total BTEX	0.13	0.05	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: 1,3-1)ichlorobenzene		92.2 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Surrogate: Bromochlorobenzene		91.5 %	80-1	20	1426009	06/24/14	06/24/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	33.1	4.99	mg/kg	1	1426009	06/24/14	06/24/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1426010	06/24/14	06/24/14	EPA 8015D	





Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Reported:

Project Manager:

60.2

Steven Moskal

26-Jun-14 12:35

#### Volatile Organics by EPA 8021 - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1426009 - Purge and Trap EPA 5										
Blank (1426009-BLK1)				Prepared &	& Analyzed:	24-Jun-14				
Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	*							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.001	*							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	*							
Total BTEX	ND	0.001								
Surrogate: 1,3-Dichlorobenzene	55.1		ug/L	50.0		110	80-120			<del></del>
Surrogate: Bromochlorobenzene	56.3		"	50.0		113	80-120			
Duplicate (1426009-DUP1)	Sou	rce: P406093-	01	Prepared &	& Analyzed:	24-Jun-14				
Benzene	ND	0.05	mg/kg		ND			-	30	
Tolucne	ND	0.05	**		ND				30	
Ethylbenzene	ND	0.05	•		ND				30	
p,m-Xylene	ND	0.05	*		ND				30	
o-Xylene	ND	0.05	**		ND				30	
Surrogate: 1,3-Dichlorobenzene	59.2		ug/L	50.0		118	80-120			
Surrogate: Bromochlorobenzene	62.2		"	50.0		124	80-120			S-0.
Matrix Spike (1426009-MS1)	· Sou	rce: P406093-	01_	Prepared &	& Analyzed:	24-Jun-14				
Веписпе	52.7		ug/L	50.0	ND	105	39-150			
Toluene	53.2		н	50.0	ND	106	46-148			
Ethylbenzene	51.9			50.0	ND	104	32-160			
p,m-Xylene	106		"	100	ND	106	46-148			
o-Xylene	53.2		**	50.0	ND	106	46-148			
Surrogate: 1,3-Dichlorohenzene	57.6	••	,,	50.0		115	80-120			

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5796 US Highway 64, Farmington, NM 87401

Surrogate: Bromochlorobenzene

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

50.0

80-120

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





2101 San Juan Blvd.

Project Name:

Lateral C-7

Project Number:

03117-0014

**Reported:** 26-Jun-14 12:35

Farmington NM, 87401

Project Manager:

Steven Moskal

## 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 1426009 - Purge and Trap EPA 5030A										
Blank (1426009-BLK1)		•		Prepared &	Analyzed:	24-Jun-14				
Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg				_			
Duplicate (1426009-DUP1)	Sour	rce: P406093-	01	Prepared &	Analyzed:	24-Jun-14				
Gasoline Range Organics (C6-C10)	7.59	4.99	mg/kg		ND				30	-
Matrix Spike (1426009-MS1)	Sour	ce: P406093-	01	Prepared & Analyzed: 24-Jun-14						
Gasoline Range Organics (C6-C10)	0.46		mg/L	0.450	ND	102	75-125	•		





Project Name:

Lateral C-7

2101 San Juan Blvd.

Project Number:

03117-0014

**Reported:** 26-Jun-14 12:35

Farmington NM, 87401

Project Manager:

Steven Moskal

#### 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 1426010 - DRO Extraction EPA 3550C						···				
Blank (1426010-BLK1)				Prepared &	Analyzed:	24-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg			-			_	
Duplicate (1426010-DUP1)	Soul	rce: P406093-	01	Prepared & Analyzed: 24-Jun-14						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1426010-MS1)	Sour	rce: P406093-	01	Prepared &	Prepared & Analyzed: 24-Jun-14					
Diesel Range Organics (C10-C28)	279		mg/L	250	6.00	109	75-125			





Souder Miller & Associates

Project Name:

Lateral C-7

2101 San Juan Blvd. Farmington NM, 87401 Project Number:

03117-0014

Reported:

Project Manager:

Steven Moskal

26-Jun-14 12:35

#### **Notes and Definitions**

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present

in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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# CHAIN OF CUSTODY RECORD

17128

Sample(s) dropped off after hours to secure drop off area.  PUSH  S795 US Highway 64 • Farminaton, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • Inharaton/®envirotech-ind	Sample Matrix Soil XÍ Solid □ Sludge □ Aqueous □ Other □	Relinquished by: (Signature)	Par Allhed .	77				SC-132 E. Bak 4033.51 V 345 PH06102-03 V		5-13 E. WOLKE/C-201 C/24/14 1116 PHO6102-01 1X 402	Sample No./ Identification Sample Sample Lab No. No./Volume Properties of Containers Properties Properties of Containers Properties	<u></u>	Steven, mosted Osudumiller.com Steve Mosted	Sounder Miller & Associates Lateral C-7
Cal Labora		Received by: (Signature)	Heceived by (Signature)								Preservative	·		
itory		gnature)	gnature)					X R	K X	У Х	BTEX	Method (Method (Method	d 8021	$\dashv$
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			Derg/ hilich					<b>Y</b>						
) 			(6:30)					4)	×	X	<u> </u>	e Cool e Intact		

laboratory@envirotech-ind Page 10 of 10 san pan reproduction 578-129

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011

Form C-141

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.

$\cap$	1		Rele	ease Notific	ation	and Co	rrective A	ction	ì					
Kevise	<u>d</u>					OPERA'	TOR		☐ Initi	al Report	$\boxtimes$	Final Report		
		Interprise Fie					omas Long							
		Ave, Farming	gton, NM	87401			No. 505-599-22							
Facility Na	ne: LC K	Celly #7				Facility Type: Gas gathering system pipeline								
Surface Ow	ner: BLM			Mineral O	wner:B	:BLM API No.								
				LOCA	TION	OF REI	LEASE							
Unit Letter L	Section 4	Township 30N	Range 12W	Feet from the	North/S	South Line	Feet from the	East/V	West Line	County San Juan				
: :		Latitu	ıde <u>36</u>	5.839055		Longitude	-108.11039	3						
				NAT	URE	OF REL	EASE _			RCVD SE	P2'	14		
		l gas and poss					Release: Unkno			Recovered: 1				
Source of Re	lease: Natu	iral gas gather	ing pipelir	ne			lour of Occurrence 5:00 p.m.	e:	Date and @ 5:00 p	Hour of Disc.m.	covery:	11/21/13		
Was Immedia	ite Notice (						Whom? Brandor	Powell			0 10:12	2 a.m.		
·			Yes L	No Not Re	quired									
By Whom? T							our 11/22/13 @			-1 T-	1			
Was a Water			Yes 🗌	No		II YES, VO	lume Impacting t	ne wate	ercourse. U					
j mr						OIL COPES. DIV.  hin an unnamed intermittent stream/ephemeral wash perpendicular to the pipeline.								
		pacted, Descri observed dur			d within	an unnamed	intermittent stream	am/ephe	meral wash	n perpendicu	lar to th	ne pipeline.		
	•	obscived dur	ing initial	discovery.						DIST	.3			
On 11-21-13 and R-12-W. down pipelin resulting fror Describe Are closure samp Approximate environmenta I hereby certi regulations al public health should their co	@ 4:45pm GPS N36.8 e and applied n leak. Substantial S	ad LOTO with surface evaluar and Cleanup A pacted area way ards of contact action report information grare required to ronment. The ave failed to a	s reported (110393. A line out of tions and ra- tion Tak as approximated s is enclose wen above to report an acceptance dequately (CD accep	on the L.C. Kelly An Enterprise empth fervice @ 5:15p remediation action en.* Third party mately 53 feet longil was transported with this c-141 is true and compled/or file certain ree of a C-141 repoinvestigate and retance of a C-141 repoinvestigate and retance of a C-141 remediate.	oloyee wm and pass will be environ g by 12 d to an 1 "final" rete to the elease nort by the emediate	ras dispatcherotocol notifice made at timmental contract feet wide rank MOCD appeport.  e best of myotifications and NMOCD motifications are contaminati	d and the leak wa ications made. No ie of repair sched actor was dispate ging from three ( roved land farm in knowledge and und perform correct arked as "Final Roon that pose a through	s verified surface ule for 1 hed to 0 3) to ninfacility.  Inderstartive active	e environm 12/3/13 to 1 1 versee excane (9) feet b A complete and that pursions for relations for relations for relations and water	m. Employee ental impact 2/4/13. avation active below ground e and detaile suant to NMC eases which leve the oper r, surface wa	e isolate was su ities and d surface d third OCD ru may en ator of ter, hur	ed and blew stained  d collect ce. party  lles and danger liability man health		
			7				OIL CON	SERV	ATION	DIVISIO	N			
Signature:	Chau	7.	h							- <del></del>	. 4			
Printed Name	· Ion F. Fie	olds	<i></i>		A	Approved by	Environmental S	pecialist	: Jona	HD K	Olla.			
Title: Directo						Approval Dat	e: 9/3/201	4 1	Expiration	Date:	7			
E-mail Addre	*	٠.	Phone:	113 35/668		Conditions of	7 7			Attached				
* Attach Addi	ional Shee	ets If Necessa	ary	·		42	K142465	5558	83		(Z	~		

District I | 1625 N. French Dr., Hobbs, NM 88240 District II | 1625 N. French Dr., Hobbs, NM 88240 District II | 1625 N. Attack NM 88210 811 S. First St., Artesia, NM 88210 District III | 1000 Rio Brazos Road, Aztec, NM 87410 | District IV | 1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141

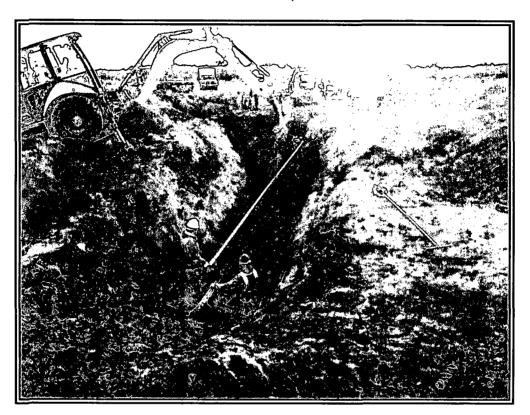
Revised August 8, 2011

			Rele	ease Notific	cation	and Co	rrective A	ction				
						OPERA?	ГOR		] Initi	al Report	$\boxtimes$	Final Repor
		Enterprise Fie				Contact: Th						
		Ave, Farming	gton, NM	87401			No. 505-599-22					
Facility Na	me: LC k	Kelly #7				Facility Typ	e: Gas gatherin	g system	pipelir	ie		
Surface Ow	ner: BLM	I		Mineral (	Owner:B	BLM			API No	o		
				LOCA	ATION	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/Wes	st Line	County		
L	4	30N	12W			•				San Juan	1	
		Latitu	ıde <u>30</u>	5.839055		Longitude	-108.11039	3				
ļ				NAT	TURE	OF RELI	EASE					
		al gas and poss					Release: Unkno					determined
Source of Re	lease: Natu	ıral gas gather	ing pipelii	ne		1	our of Occurrence	I			scovery	/: <b>11/21/13</b>
Was Immedi	ate Notice (	Given?					<b>5:00 p.m.</b> Whom? Brandon		) 5:00 p		<u>@ 10:1</u>	2 a m
l'us mineu			Yes [	No Not R	equired	11 125, 10	Whom: Brandon	i i owen	1414100	D 11/22/13	<b>10.1</b>	2 4.111.
By Whom?	homas Lon	ıg				Date and H	lour 11/22/13 @ 1	0:12 a.m		······································		
Was a Water	course Read					If YES, Vo	lume Impacting t	he Waterco	ourse. U	Inknown; To	o be det	termined
		×	Yes [	J No								
No surface in	npacts were	observed dur	ing initial	discovery.	ed withir	an unnamed	intermittent strea	um/epheme		h perpendic RCVD JA OIL CON DIS	N 21 '	14
On 11-21-13 and R-12-W. down pipelin resulting from	@ 4:45pm GPS N36.8 e and applie n leak. Subs	339055 W-108 ed LOTO with surface evaluat	s reported 110393. line out c tions and	on the L.C. Kelly An Enterprise em of service @ 5:15 remediation action	ployee w pm and p ns will b	vas dispatched protocol notifi e made at tim	I a Non Jurisdicti d and the leak ver ications made. No e of repair schedu	ified @ 5:0 surface er ule for 12/3	00pm. E nvironm 3/13 to 1	e line locate Employee ise ental impact 12/4/13.	ed in Se olated a et was su	ec-4, T-30-N, and blew ustained
closure samp Approximate	les. The imp ly 40 cubic	pacted area wa yards of conta	as approxi aminated s	mately 53 feet loa	ng by 12 ed to a N	feet wide ran MOCD appro	actor was dispatch ging from three (I oved land farm fac	3) to nine (	9) feet	below grour	nd surfa	ice.
I hereby cert regulations a public health should their or the enviro	fy that the i II operators or the envir operations homent. In a	nformation giver required to ronment. The lave failed to a	ven above o report ar acceptance dequately CD accep	is true and comp nd/or file certain r se of a C-141 repo investigate and r	olete to the elease no ort by the emediate	ne best of my otifications are NMOCD made contamination	knowledge and und perform correct arked as "Final Recont that pose a three the operator of r	tive action eport" does eat to groun esponsibil	s for rel s not rel nd wate ity for c	eases which ieve the ope r, surface w ompliance v	n may er erator of rater, hu with any	ndanger f liability ıman health
Signature:		w tu	EL.				OIL CONS		<u> TION</u>	DIVISIO	<u>NC</u>	
Printed Nam	e: Jon Fiel	ds				Approved by	Environmental Sp	pecialist:				
Title: Direc	tor, Field C	Compliance_	<u> </u>			Approval Dat	e:	Exp	oiration	Date:		
E-mail Addr	ess: jefields	@eprod.com				Conditions of	Approval:			Attached	i 🗌	
Date:	/15/2014	Phone: 7	13-381-68	384								
	tional Shee	ets If Necessa	ary									_

# Enterprise Products L C Kelly #7 Pipeline Releases Latitude North 36.83911, Longitude West -108.11038 NW ¼, SW ¼ (UNIT L) Section 4 T30N R12W San Juan County, New Mexico

RCVD JAN 21'14 OIL CONS. DIV. DIST. 3

**December 23, 2013** 



# **Submitted To:**

Enterprise Products Field Environmental-San Juan Basin 614 Reilly Avenue Farmington, NM 87401

# Submitted By:

Souder, Miller & Associates 2101 San Juan Boulevard Farmington, NM 87401 (505) 325-7535



# **Table of Contents**

1.0	Executive Summary	2
2.0	Introduction	3
3.0	Site Ranking and Land Jurisdiction	3
4.0	Summary of Field Activities	3
5.0	Conclusions and Recommendations	4
6.0	Closure and Limitations	4

# Figures:

Figure 1: Vicinity Map

Figure 2: Site Location Map

Figure 3: Soil Contaminant Concentration Map

## Tables:

Table 1: Release Information

Table 2: Site Ranking

Table 3: Summary of Field Screening Results Table 4: Summary of Laboratory Analysis

# Appendices:

Appendix A: Field Notes

Appendix B: Site Photography

Appendix C: Soil Disposal Documentation Appendix D: Laboratory Analytical Reports

# 1.0 Executive Summary

From December 3, 2013 Souder, Miller & Associates (SMA) responded to a hydrocarbon release associated with the L.C. Kelly #7 pipeline. The table below summarizes information about the releases and remediation activities.

TABLE 1: RELEASE INFORMATION												
Name		L.	C. Kelly #7									
	Latitude/I	_ongitude	Secti	on, Towns	hip, Range							
Location	36.83911	-108.11038	Unit L (NW ¼ SW ¼)	Section 4	T 30N, R 12W							
Date Reported	November 21, 2013											
	Thomas Long											
Land Owner												
Reported To	To New Mexico Oil Conservation Division (NMOCD) and BLM											
Diameter of Pipeline												
Source of Release	Internal Corrosion											
Release Contents	Natural Gas L	<u>iquids/Conden</u>	sate									
Release Volume	Unknown											
Nearest Waterway	Flora Vista Arroyo											
Depth to Groundwater	Assumed to b	e less than 50	feet									
Nearest Domestic Water Source	Greater than	1000 feet										
NMOCD Ranking	40											
SMA Response Dates	12/3/13											
Subcontractors West States Energy Contractors (WSEC)												
Disposal Facility	Industrial Ecosystems, Inc Landfarm											
Yd <sup>3</sup> Contaminated Soil Excavated and 40 cubic yards Disposed												

#### 2.0 Introduction

On behalf of Enterprise Products Operating, LLC. (Enterprise), SMA has prepared this report that describes remediation of a hydrocarbon release associated with the L. C. Kelly #7 pipeline. The L.C. Kelly #7 pipeline release was a result of internal corrosion of the steel pipeline. The releases was reported November 21, 2013. The release is located in Unit L (NW ¼, SW ¼) Section 4, Township 30 North, Range 12 West, 36.83911, -108.11038, San Juan County, New Mexico. Figure 1, Vicinity Map, illustrates the location of the release.

# 3.0 Site Ranking and Land Jurisdiction

The release site is located in the Flora Vista Arroyo on land managed by the BLM with an elevation of approximately 5,830 feet above sea level. The release is located in an unnamed wash. After evaluation of the sites using aerial photography and topographic maps, depth to groundwater is estimated to be less than 50 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well data base for water wells in the vicinity of the release. In total, ten wells are located in Section 4 of T30N-R12W. These wells are located greater than 1000 feet from the release location, but are within one mile of the release location. Eight of the ten wells have log information and none of the ten wells are registered points of diversions.

The physical location of this release is within the jurisdiction of NMOCD and BLM. The release location has been assigned a NMOCD ranking of 40 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm total benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 2 illustrates site ranking rationale.

### 4.0 Summary of Field Activities

On December 3, 2013, SMA mobilized to the site to oversee excavation activities and further delineate the release area by the use of a hand auger and collecting samples for field screening with a calibrated photoionization detector (PID). WSEC repaired the release point and excavated the hydrocarbon impacted soils associated with the hydrocarbon release. SMA personnel guided the excavation activities by collecting soil samples for field screening with a calibrated PID. Table 3 summarizes the field screening results.

The excavation depth ranged from approximately 3 to 9 feet below ground surface. SMA collected five composite soil samples from the side walls and base of the excavation. Field screening of the excavated and stockpiled material determined that

the soils removed from close proximity to the release point were not suitable for use as backfill material. Stockpiled material from the excavation further from the release point appeared to be suitable for backfill material and laboratory samples were collected and submitted for verification. The excavation was then backfilled with approved onsite soils and imported soils.

All laboratory soil samples from the excavation were field screened with a calibrated PID and submitted for laboratory analysis per United States Environmental Protection Agency Method 8021 BTEX, and 8015 Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) to Hall Environmental Analysis Laboratory of Albuquerque, New Mexico. Figure 3 illustrates the extent of the excavation, excavation and stockpile composite soil sample locations, and laboratory results.

The final excavation dimensions for the release site was 53 feet long by 12 feet wide by 3 to 9 feet deep. Site photography is included in Appendix B. Approximately 40 cubic yards of hydrocarbon contaminated soil were excavated and transported by WSEC to Industrial Ecosystems, Inc. landfarm on Crouch Mesa, near Bloomfield, New Mexico for proper disposal. Approximately 40 cubic yards of clean backfill material was imported to the site. Soil disposal documentation is included in Appendix C.

#### 5.0 Conclusions and Recommendations

As noted in Section 3.0 of this report, NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 40: 10 ppm benzene, 50 ppm total BTEX, and 100 ppm TPH. Laboratory analysis of the excavation and stockpiles detected benzene, total BTEX, and TPH (GRO/DRO) at concentrations below the NMOCD Guidelines. SMA notified Enterprise personnel, who agreed that backfilling the excavation with suitable onsite material was appropriate and practical. The impacted soil was hauled off site for disposal. Soil contaminant concentrations are illustrated in Figure 3. A summary of laboratory analysis is included in Table 4. Laboratory reports are included in Appendix D.

SMA recommends no further action at this site.

### 6.0 Closure and Limitations

The scope of our services consisted of the performance of a preliminary spill assessment, regulatory liaison, oversight and control of remediation operations, disposal arrangements and documentation, project management, and preparation of this summary report. All work has been performed in accordance with generally accepted professional environmental consulting practices.

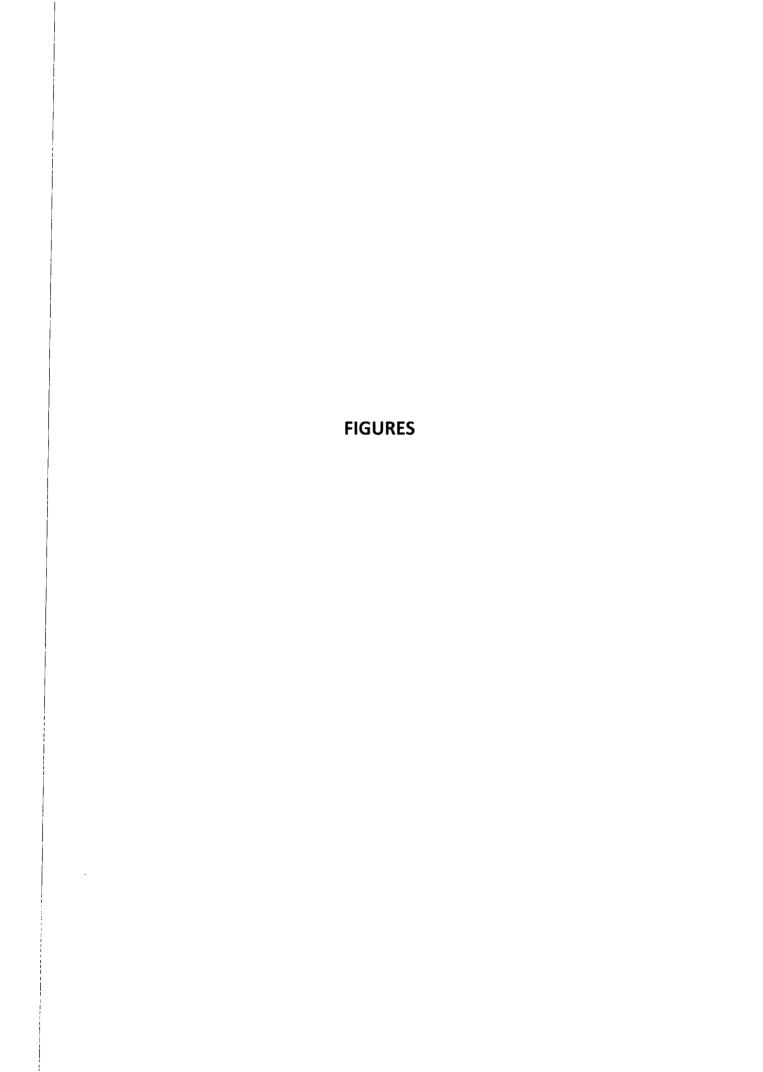
If there are any questions regarding this report, please contact either Steven Moskal or Reid Allan at 505-325-7535.

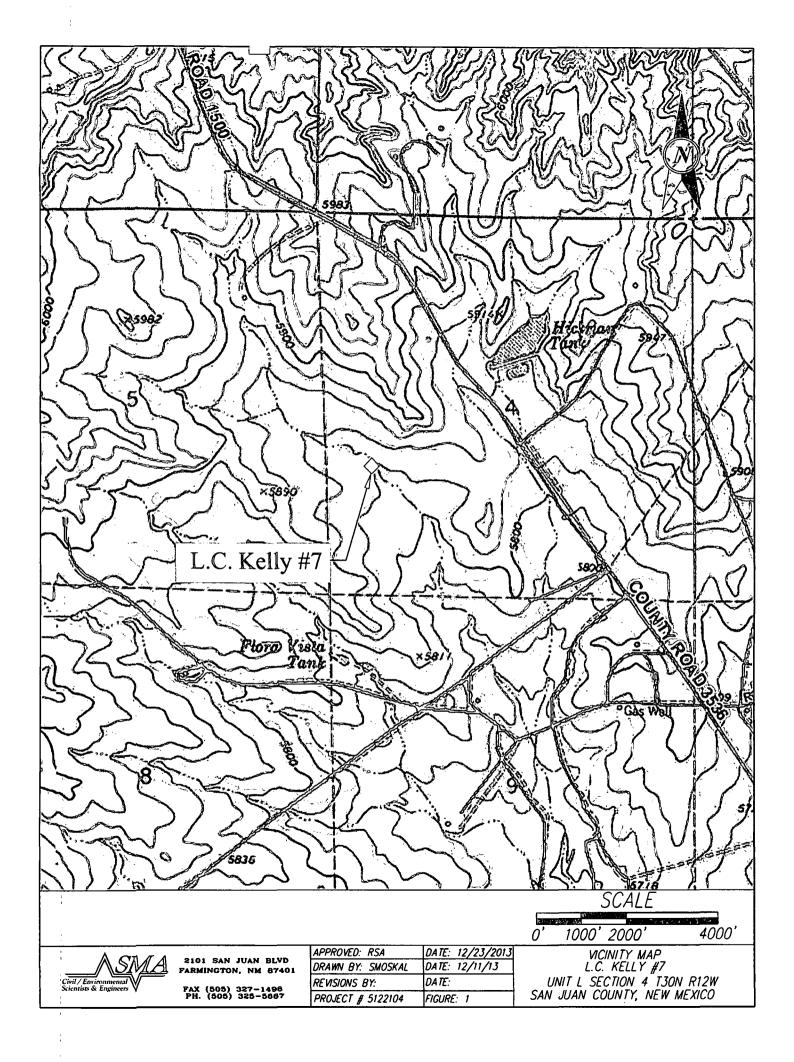
Submitted by:

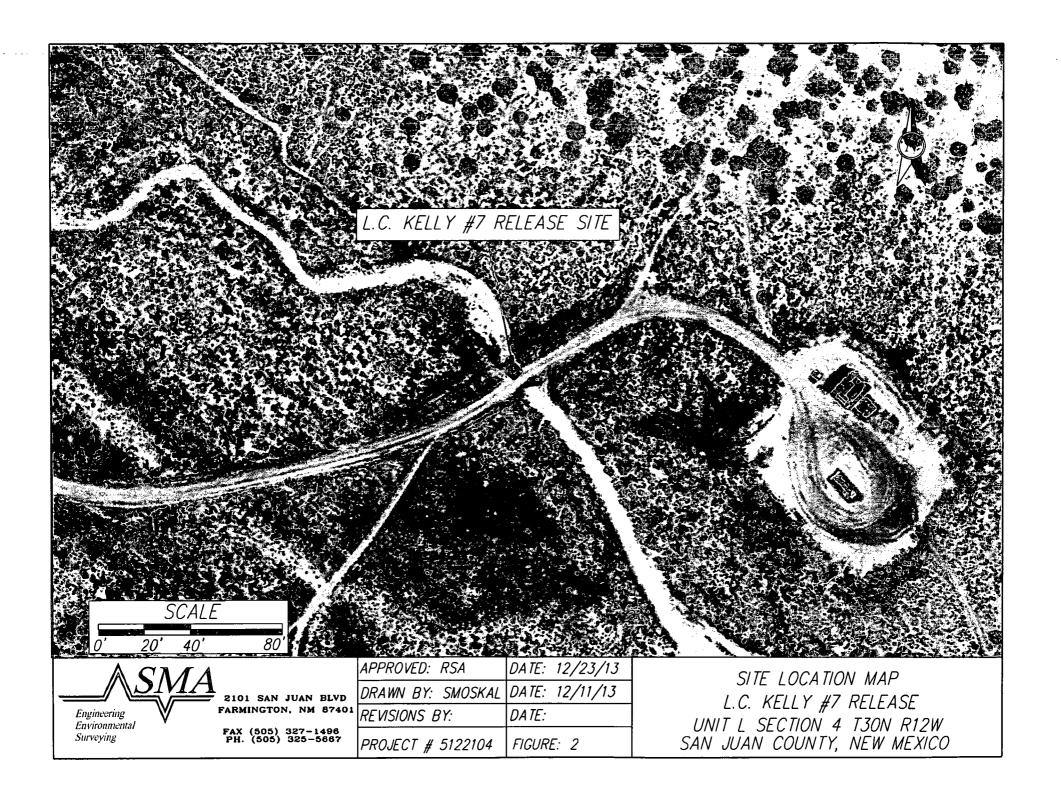
Reviewed by:

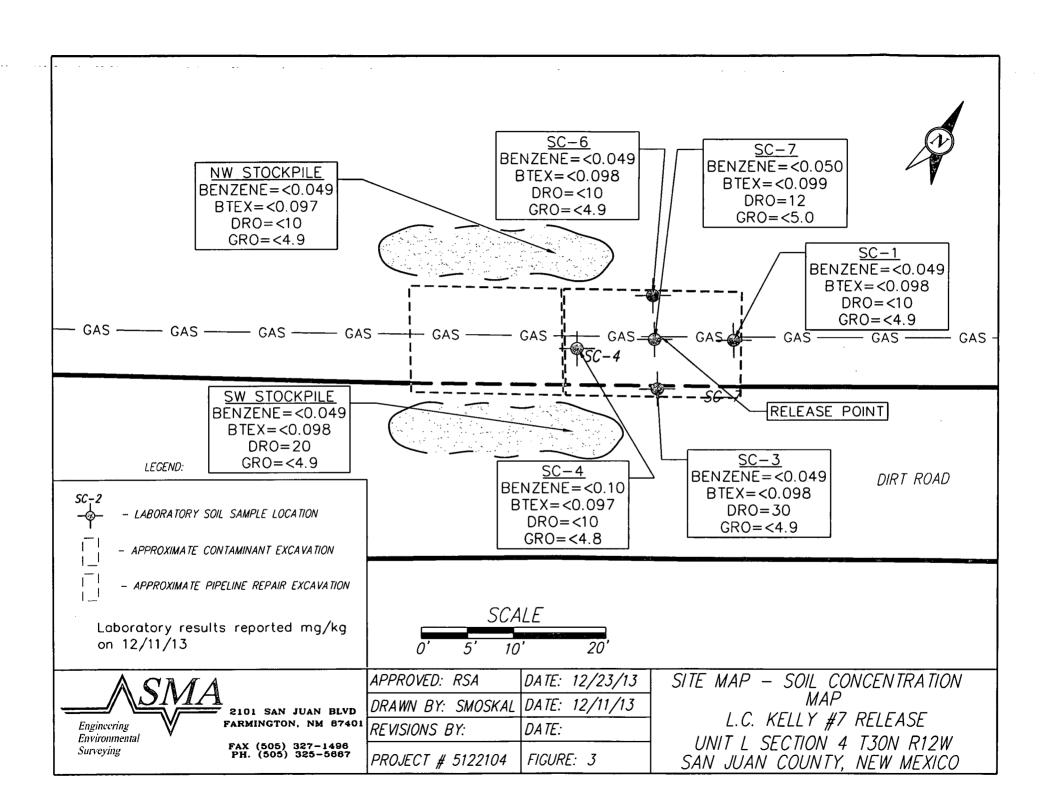
SOUDER, MILLER & ASSOCIATES

Steven J. Moskal Staff Scientist Reid S. Allan, PG Principal Scientist









**TABLES** 

Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes		
< 50 BGS = 20	20	Field verification that	Groundwater is assumed		
50' to 99' = 10		release is located within an unnamed wash.	to be less than 50 feet below ground surface.		
>100' = 0			Ö		
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes		
< 200' = 20	20	Field verification that			
200'-1000' = 10		release is located within	Release is located within the Flora Vista Arroyo.		
>1000' = 0					
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes		
<1000' from a water source? <200' for a private domestic	0		No recorded water wells		
water source? YES OR NO to BOTH. YES = 20, NO = 0		NM State Engineer Water Well Database	located with 1000'; Ten wells located within a 1 mile radius.		
Total Site Ranking	40				
Total Site Nativilly	40				
Soil Remedation Standards	0 to 9	10 to 19	>19		
Benzene	10 PPM	10 PPM	10 PPM		
BTEX TPH	50 PPM 5000 PPM	50 PPM 1000 PPM	50 PPM 100 PPM		



	FIELD SCREENING RESULTS SUMMARY													
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N									
12/3/2013	14:15	SC-1: E. Base	3	18.2	Yes									
12/3/2013	14:16	SC-2: N Base	8	492	N									
12/3/2013	14:17	SC-3: S. Base	8	94	Yes									
12/3/2013	14:18	SC-4; W. Base	6	8.7	Yes									
12/3/2013	14:35	SC-5: Pothole; 40' E of Release	6	1.9	N ·									
12/3/2013	14:44	SC-6: N. Wall	5	5	Yes									
12/3/2013	14:47	SC-7: Beneath Release Point	9	82.6	Yes									
12/3/2013	14:58		1	189.6	N									
12/3/2013	15:01	7	2	33.9	N									
12/3/2013	15:03	7.	3	8.1	N									
12/3/2013	15:06	1	4 ·	82.5	N									
12/3/2013	15:18	SC-8: Hand Auger 3' N of	5	51.6	N									
12/3/2013	15:26	Release Point	6	42.4	N									
12/3/2013	15:36	7	7	40.4	N									
12/3/2013	15:39	1	8	29.2	N									
12/3/2013	15:41	]	9	27.6	N									
12/3/2013	15:43	1	10	5.6	N									
12/3/2013	15:55	SC-9; W. Base, N. of Pipeline	6	7.2	N									
12/3/2013	15:57	SC-10: W. Base, S. of Pipeline	6	12.3	N									
12/3/2013	16:30	S. Stockpile, Eastern Composite	Stockpile Composite	295	N									
12/3/2013	16:32	S. Stockpile, Western Composite	Stockpile Composite	85.3	Yes									
12/3/2013	16:40	N. Stockpile, Eastern Composite	Stockpile Composite	204	N									
12/3/2013	16:42	N. Stockpile, Western Composite	Stockpile Composite	65.7	Yes									



# Enterprise Products Table 4: Summary of Laboratory Analysis Results in mg/Kg

	LABORATORY ANALYTICAL SUMMARY													
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021 BTEX							
12/3/2013	14:15	SC-1	3	<4.9	<10	<0.049	<0.098							
12/3/2013	14:17	SC-3	8	<4.9	30	<0.049	<0.098							
12/3/2013	14:18	SC-4	6	<4.8	<10	<0.048	<0.097							
12/3/2013	14:44	SC-6	5	<4.9	<10	<0.049	<0.098							
12/3/2013	14:47	SC-7	9	<5.0	12	<0.050	<0.099							
12/3/2013	16:32	SW Stockpile	Stockpile Composite	<4.9	20	<0.049	<0.098							
12/3/2013	16:42	NW Stockpile	Stockpile Composite	<4.9	<10	<0.049	<0.097							



# APPENDIX A FIELD NOTES

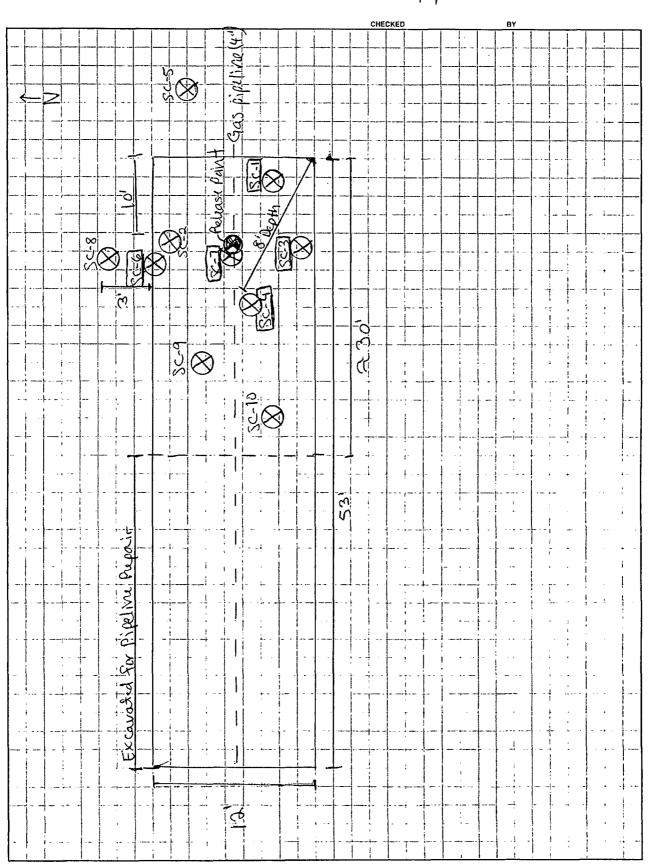
PAGE 104.3 CLIENT EPCA DATE 12/3/13 A-Lab Sample collected RP= Release Point Perform Tatgate Safety, review EPCO 5 mostal on site @ collect soil samples from execustion underly (Approx 30/x104)x810 ocertiun Comments
Base 23 (old stand 1412 492 N Base 28' Sc-2 146 J. Ber @ 28' 94 1417 Sc-4 125+ 625e @ 36! 1418 8.7 Pothou-Mofpipoline 240 fan R.P. 30-5 1435 1444 3.0 Nual DS 5c-4 SC 7 Basi (9) benerth R. P. 1447 826 1898 SC-8@11 1458 33.9 501 1503 PID Time 825 1506 SC-191 in 808160 61 1555 \$1.6 1518 W. Bax @ 61 SC-10 1557 1526 424 40.4 1532 7' 1539 39.2 8' 1541 9' 27.6 543 S. Stockplu E. comp S. Stockplu L. comp N. Stockple E. com 1430 1832

SOUDER, MILLER & ASSOCIATES Serving - New Mexico · Colorado · Arizona · Utah

CLIENT EPCO

DATE \$2/3/13

BY SJM



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# APPENDIX B SITE PHOTOGRAPHY

# Site Photographs Enterprise Products L.C. Kelly #7 Pipeline Release

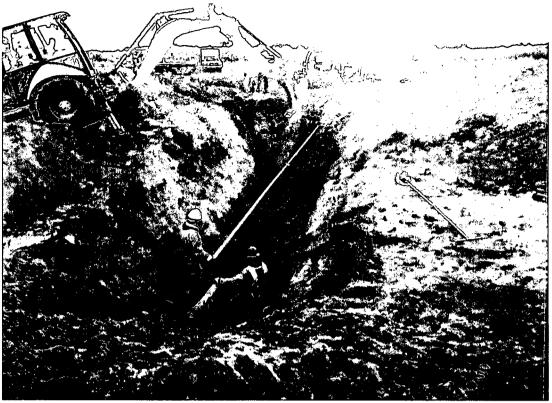


Photo 1: View of the pipeline and excavation of the release; extended repair excavation in background.

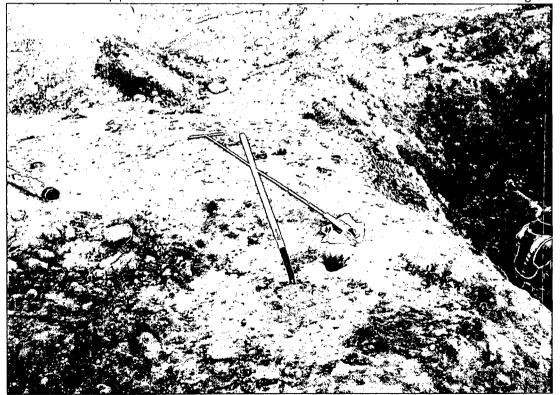


Photo 2: View of the total depth (10') of hand auger delineation for the release.

# APPENDIX C SOIL DISPOSAL DOCUMENTATION

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

SIGNATURE:

Surface Waste Management Facility Authorized Agent

# State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr.

Form C-138 Revised 08/01/11

\*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

Santa Fe, NM 87505 Santa Fe, NM 87505
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE
1. Generator Name and Address:  AFE#A13498  Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401
2. Originating Site:  LC Kelly #7 Pipeline Leak
3. Location of Material (Street Address, City, State or ULSTR): Unit L Sec 4 T 30 N R 12 W, San Juan County, NM; 36.839055, -108.110393
Source and Description of Waste:  Source: Natural Gas Gather Line  Description: Natural Gas Liquids (Condensate and Water) released from a gathering line  Estimated Volume 100 (yd) bbls Known Volume (to be entered by the operator at the end of the haul)
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
I, Thomas Long, representative or authorized agent for Enterprise Products Operating do hereby  Generator Signature  certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not m exempt waste.  **Operator Use Only: Waste Acceptance Frequency   Monthly   Weekly   Per Load   Per L
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for was characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CF 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous waste as propriate items)
☐ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
CENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS  I, Thomas Long , representative for Enterprise Products Operating authorize to complete  Generator Signature he required testing/sign the Generator Waste Testing Certification.  I, representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and the nave been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of
19.15.36 NMAC.
5. Transporter: To Be Determined
OCD Permitted Surface Waste Management Facility
Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B
Name and Facility Permit #: JFJ Landfarm/Industrial Ecosystems, Inc. * Permit #: NM 01-0010B  Address of Facility: #49 CR 2150 Aztec, New Mexico  Method of Treatment and/or Disposal:
Method of Treatment and/or Disposal:  ☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other
Waste Acceptance Status:    DENIED (Must Be Maintained As Permanent Record)   PRINT NAME:   Land Farm Administrator   DATE: 12-4-13
PRINT NAME: L'Macho TITLE: Land Farm Administrator DATE: 12-4-13

TELEPHONE NO.:

505-632-1782

# APPENDIX D LABORATORY ANALYTICAL REPORTS



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

December 11, 2013

Steve Moskal Souder, Miller and Associates 2101 San Juan Boulevard Farmington, NM 87401 TEL: FAX

RE: LC Kelly #7 OrderNo.: 1312227

## Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 7 sample(s) on 12/5/2013 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andigh

4901 Hawkins NE

Albuquerque, NM 87109

## Lab Order 1312227

Date Reported: 12/11/2013

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-1

Project: LC Kelly #7

**Collection Date:** 12/3/2013 2:15:00 PM

Lab ID: 1312227-001

Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst: <b>BCN</b>
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/6/2013 3:39:44 PM
Surr: DNOP	92.0	66-131	%REC	1	12/6/2013 3:39:44 PM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/9/2013 2:03:16 PM
Surr: BFB	85.0	74.5-129	. %REC	1	12/9/2013 2:03:16 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	12/9/2013 2:03:16 PM
Toluene	ND	0.049	mg/Kg	1	12/9/2013 2:03:16 PM
Ethylbenzene	ND	0.049	mg/Kg	1	12/9/2013 2:03:16 PM
Xylenes, Total	ND	0.098	mg/Kg	1	12/9/2013 2:03:16 PM
Surr: 4-Bromofluorobenzene	94.4	80-120	%REC	1	12/9/2013 2:03:16 PM

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

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDIimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 1 of 11
- Page 1 of 1
  P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1312227

Date Reported: 12/11/2013

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-3

Project: LC Kelly #7

Collection Date: 12/3/2013 2:17:00 PM

**Lab ID:** 1312227-002

Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst: BCN
Diesel Range Organics (DRO)	30	10	mg/Kg	1	12/6/2013 4:01:28 PM
Surr: DNOP	90.3	66-131	%REC	1	12/6/2013 4:01:28 PM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/9/2013 3:29:23 PM
Surr: BFB	95.4	74.5-129	%REC	1	12/9/2013 3:29:23 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	12/9/2013 3:29:23 PM
Toluene	ND	0.049	mg/Kg	1	12/9/2013 3:29:23 PM
Ethylbenzene	ND	0.049	mg/Kg	1	12/9/2013 3:29:23 PM
Xylenes, Total	ND	0.098	mg/Kg	1	12/9/2013 3:29:23 PM
Surr: 4-Bromofluorobenzene	100	80-120	%REC	1	12/9/2013 3:29:23 PM

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

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

Lab Order 1312227

Date Reported: 12/11/2013

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Souder, Miller and Associates

Client Sample ID: SC-4

LC Kelly #7 Project:

Collection Date: 12/3/2013 2:18:00 PM

Lab ID: 1312227-003

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS				Analyst: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/6/2013 4:23:14 PM
Surr: DNOP	98.3	66-131	%REC	1	12/6/2013 4:23:14 PM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/9/2013 4:55:14 PM
Surr: BFB	86.5	74.5-129	%REC	1	12/9/2013 4:55:14 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	12/9/2013 4:55:14 PM
Toluene	ND	0.048	mg/Kg	1	12/9/2013 4:55:14 PM
Ethylbenzene	ND	0.048	mg/Kg	1	12/9/2013 4:55:14 PM
Xylenes, Total	ND	0.097	mg/Kg	1	12/9/2013 4:55:14 PM
Surr: 4-Bromofluorobenzene	97.8	80-120	%REC	1	12/9/2013 4:55:14 PM

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Ε
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Not Detected at the Reporting Limit Page 3 of 11 Sample pH greater than 2 for VOA and TOC only.
- P
- RLReporting Detection Limit

Lab Order 1312227

Date Reported: 12/11/2013

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-6

LC Kelly #7 Project:

Collection Date: 12/3/2013 2:45:00 PM

Lab ID: 1312227-004

Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANC	E ORGANICS				Analyst: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/6/2013 4:45:05 PM
Surr: DNOP	93.9	66-131	%REC	1	12/6/2013 4:45:05 PM
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/9/2013 5:24:00 PM
Surr: BFB	83.6	74.5-129	%REC	1	12/9/2013 5:24:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	12/9/2013 5:24:00 PM
Toluene	ND	0.049	mg/Kg	1	12/9/2013 5:24:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	12/9/2013 5:24:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	12/9/2013 5:24:00 PM
Surr: 4-Bromofluorobenzene	92.8	80-120	%REC	1	12/9/2013 5:24:00 PM

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

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit o
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit Not Detected at the Reporting Limit Page 4 of 11 Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit

Lab Order 1312227

Date Reported: 12/11/2013

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Project: LC Kelly #7

Lab ID:

1312227-005

Client Sample ID: SC-7

Collection Date: 12/3/2013 2:50:00 PM Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	SE ORGANICS				Analyst: BCN
Diesel Range Organics (DRO)	12	10	mg/Kg	1	12/6/2013 5:06:52 PM
Surr: DNOP	93.4	66-131	%REC	1	12/6/2013 5:06:52 PM
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/9/2013 5:52:46 PM
Surr: BFB	88.4	74.5-129	%REC	1	12/9/2013 5:52:46 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	12/9/2013 5:52:46 PM
Toluene	ND	0.050	mg/Kg	1	12/9/2013 5:52:46 PM
Ethylbenzene	ND	0.050	mg/Kg	1	12/9/2013 5:52:46 PM
Xylenes, Total	ND	0.099	mg/Kg	1	12/9/2013 5:52:46 PM
Surr: 4-Bromofluorobenzene	97.4	80-120	%REC	1	12/9/2013 5:52:46 PM

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSD1imit
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND

- Not Detected at the Reporting Limit Page 5 of 11 Sample pH greater than 2 for VOA and TOC only. P
- Reporting Detection Limit

Lab Order 1312227

Date Reported: 12/11/2013

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Souder, Miller and Associates

Client Sample ID: SW Stockpile

LC Kelly #7 Project:

Collection Date: 12/3/2013 3:50:00 PM

Lab ID: 1312227-006 Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS		<u> </u>		Analyst: BCN
Diesel Range Organics (DRO)	20	10	mg/Kg	1	12/6/2013 5:28:39 PM
Surr: DNOP	91.7	66-131	%REC	1	12/6/2013 5:28:39 PM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/9/2013 6:21:27 PM
Surr: BFB	91.9	74.5-129	%REC	1	12/9/2013 6:21:27 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	12/9/2013 6:21:27 PM
Toluene	ND	0.049	mg/Kg	1	12/9/2013 6:21:27 PM
Ethylbenzene	ND	0.049	mg/Kg	1	12/9/2013 6:21:27 PM
Xylenes, Total	ND	0.098	mg/Kg	1	12/9/2013 6:21:27 PM
Surr: 4-Bromofluorobenzene	99.8	80-120	%REC	1	12/9/2013 6:21:27 PM

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

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Not Detected at the Reporting Limit Page 6 of 11 Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Lab Order 1312227

Date Reported: 12/11/2013

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: NW Stockpile

Project: LC Kelly #7 Collection Date: 12/3/2013 3:52:00 PM

Lab ID: 1312227-007

Matrix: SOIL

Received Date: 12/5/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	12/6/2013 6:07:13 PM
Surr: DNOP	92.6	66-131	%REC	1	12/6/2013 6:07:13 PM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/9/2013 6:50:07 PM
Surr: BFB	89.9	74.5-129	%REC	1	12/9/2013 6:50:07 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.049	mg/Kg	1	12/9/2013 6:50:07 PM
Toluene	ND	0.049	mg/Kg	1	12/9/2013 6:50:07 PM
Ethylbenzene	ND	0.049	mg/Kg	1	12/9/2013 6:50:07 PM
Xylenes, Total	ND	0.097	mg/Kg	1	12/9/2013 6:50:07 PM
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	12/9/2013 6:50:07 PM

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

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- $\mathbf{o}$ RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Not Detected at the Reporting Limit Page 7 of 11 Sample pH greater than 2 for VOA and TOC only. P
- Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1

1312227

11-Dec-13

Client:

Souder, Miller and Associates

Project:

LC Kelly #7

Project:	LC Kelly	" "									
Sample ID	MB-10666	SampTy	pe: ME	BLK	Test	Code: EP	A Method	8015D: Diese	el Range C	Organics	
Client ID:	PBS	Batch i	D: <b>10</b>	666	R	RunNo: 15280					
Prep Date:	12/5/2013	Analysis Da	te: 12	2/6/2013	S	eqNo: 44	0799	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	ND	10								
Surr: DNOP		9.8		10.00		97.5	66	131			
Sample ID	LCS-10666	SampTy	pe: LC	s	Test	Code: EP	A Method	8015D: Diese	el Range C	Organics	
Client ID:	LCSS	Batch I	D: <b>10</b>	666	R	tunNo: 15	280				
Prep Date:	12/5/2013	Analysis Da	te: 12	2/6/2013	S	SeqNo: 44	0800	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	54	10	50.00	0	108	62.1	127			
Surr: DNOP		5.4		5.000		107	66	131			
Sample ID	1312218-001AMS	SampTy	pe: MS	3	Test	Code: EP	A Method	8015D: Dies	el Range (	Organics	
Client ID:	BatchQC	Batch	D: <b>10</b>	666	R	lunNo: 15	280				
Prep Date:	12/5/2013	Analysis Da	te: 12	2/6/2013	S	eqNo: 44	10849	Units: mg/K	ίg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	Organics (DRO)	60	10	50.20	15.07	89.9	47.4	148			
Surr: DNOP		5.3		5.020		106	66	131			
Sample ID	1312218-001AMSE	<b>S</b> ampTy	pe: MS	SD	Test	Code: EF	A Method	8015D: Dies	el Range (	Organics	
Client ID:	BatchQC	Batch	D: <b>10</b>	666	R	lunNo: 15	280				
Prep Date:	12/5/2013	Analysis Da	te: 12	2/6/2013	S	eqNo: 44	10851	Units: mg/K	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (	Organics (DRO)	61	10	50.51	15.07	91.6	47.4	148	1.88	22.7	
Surr: DNOP		5.4		5.051		107	66	131	0	0	
Sample ID	1312251-001AMS	SampTy	pe: MS	3	Test	tCode: EF	A Method	8015D: Dies	el Range (	Organics	
Client ID:	BatchQC	Batch	ID: 10	681	R	tunNo: <b>15</b>	280				
Prep Date:	12/6/2013	Analysis Da	te: 12	2/6/2013	S	eqNo: 44	11317	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.2		4.975		105	66	131		<del></del>	
Sample ID	1312251-001AMSE	) SampTy	pe: MS	SD	Test	tCode: EF	A Method	8015D: Dies	el Range (	Organics	
Client ID:	BatchQC	Batch	ID: 10	681	R	RunNo: 15	5280				
	12/6/2013	Analysis Da	te: 12	2/6/2013	S	SeqNo: 44	11318	Units: %RE	С		
Prep Date:											
Prep Date: Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

O RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S - Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

P Sample pH greater than 2 for VOA and TOC only.

RL Reporting Detection Limit

Page 8 of 11

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1312227

11-Dec-13

Client:

Souder, Miller and Associates

Project:

LC Kelly #7

Sample ID MB-10681

SampType: MBLK

PQL

TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: PBS

Batch ID: 10681

RunNo: 15280

Prep Date: 12/6/2013

Analysis Date: 12/6/2013

SeqNo: 441319

Units: %REC

131

HighLimit

Analyte

Surr: DNOP

Result

9.3

SPK value SPK Ref Val %REC LowLimit

66

%RPD

**RPDLimit** 

Qual

Sample ID LCS-10681

SampType: LCS

TestCode: EPA Method 8015D: Diesel Range Organics RunNo: 15280

93.5

Client ID: LCSS

Batch ID: 10681

Prep Date:

12/6/2013

Analysis Date: 12/6/2013

SeqNo: 441320

Units: %REC

Analyte

Result PQL

SPK value SPK Ref Val %REC

LowLimit HighLimit %RPD **RPDLimit** 

5.5

5.000

10.00

Qual

Surr: DNOP

109

66

Qualifiers:

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

E Value above quantitation range

Analyte detected below quantitation limits

RSD is greater than RSDlimit

R RPD outside accepted recovery limits

Analyte detected in the associated Method Blank В

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Sample pH greater than 2 for VOA and TOC only.

Reporting Detection Limit

Page 9 of 11

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1312227

11-Dec-13

Client:

Souder, Miller and Associates

Project:

LC Kelly #7

Project: LC Kelly	· #7 									
Sample ID MB-10680	SampType: <b>M</b>	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 10	0680	F	RunNo: ,15	354					
Prep Date: 12/6/2013	Analysis Date: 1	2/9/2013	9	SeqNo: 44	2580	Units: mg/F	(g			
Analyte	Result_ PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND 5.0									
Surr: BFB	870	1000		86.5	74.5	129		<u>-</u>		
Sample ID LCS-10680	SampType: L0	cs	Tes	Code: EP	A Method	8015D: Gaso	oline Rang	е		
Client ID: LCSS	Batch ID: 10	0680	F	RunNo: 15	354					
Prep Date: 12/6/2013	Analysis Date: 1	2/9/2013	8	SeqNo: 44	2581	Units: mg/k	(g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26 5.0	25.00	0	104	74.5	126				
Surr: BFB	940	1000		94.1	74.5	129				
Sample ID 1312227-001AMS	SampType: <b>M</b>	S	Tes	tCode: <b>EP</b>	A Method	8015D: Gaso	oline Rang	е		
Client ID: SC-1	Batch ID: 10	0680	F	RunNo: 15	354					
Prep Date: 12/6/2013	Analysis Date: 1	2/9/2013	5	SeqNo: <b>4</b> 4	2585	Units: mg/k	<b>(</b> g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26 4.9	24.53	0	108	76	156				
Surr: BFB	930	981.4		94.3	74.5	129				
Sample ID 1312227-001AMS	D SampType: M	SD	Tes	tCode: EP	A Method	8015D: Gaso	oline Rang	е		
Client ID: SC-1	Batch ID: 10	0680	F	RunNo: 15	354					
Prep Date: 12/6/2013	Analysis Date: 1	2/9/2013	5	SeqNo: 44	12586	Units: mg/k	<b>(</b> g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26 4.9	24.51	0	105	76	156	3.11	17.7		

# Qualifiers:

Surr: BFB

Value exceeds Maximum Contaminant Level.

E · Value above quantitation range

J Analyte detected below quantitation limits

RSD is greater than RSDlimit

R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

95.9

980.4

940

74.5

129

Page 10 of 11

0

P Sample pH greater than 2 for VOA and TOC only.

RL Reporting Detection Limit

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1312227

11-Dec-13

Client:

Souder, Miller and Associates

Project:

LC Kelly #7

Sample ID MB-10680	SampType: MBLK		Tes	tCode: El	PA Method	8021B: Vola	tiles			
Client ID: PBS	Batcl	Batch ID: 10680		F	RunNo: 15354					
Prep Date: 12/6/2013	Analysis D	Analysis Date: 12/9/2013		S	SeqNo: 442607			(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	80	120			

Sample ID LCS-10680	SampT	ype: LC	s	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	n ID: 10	680	F	RunNo: 1	5354					
Prep Date: 12/6/2013	Analysis [	Analysis Date: 12/9/2013			SeqNo: <b>442608</b>			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.0	0.050	1.000	0	104	80	120				
Toluene	1.0	0.050	1.000	0	102	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-Bromofluorobenzene	1.0				104	80	120				

Sample ID 1312227-002AMS	Samp	Гуре: МS	3	Tes	tCode: El	Code: EPA Method 8021B: Volatiles						
Client ID: SC-3	Batc	Batch ID: 10680			RunNo: 15354							
Prep Date: 12/6/2013	Analysis [	s Date: 12/9/2013 S				SeqNo: 442613 Units: m			mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.99	0.049	0.9852	0.007549	99.9	67.3	145					
Toluene	1.0	0.049	0.9852	0.02563	103	66.8	144					
Ethylbenzene	1.1	0.049	0.9852	0.01321	106	61.9	153					
Xylenes, Total	3.2	0.099	2.956	0.09173	104	65.8	149					
Surr: 4-Bromofluorobenzene	1.0		0.9852		104	80	120					

Sample ID 1312227-002AMSI	D SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SC-3	Batch	Batch ID: 10680			RunNo: <b>15354</b>							
Prep Date: 12/6/2013	Analysis D	Analysis Date: 12/9/2013			SeqNo: 442614 Units: mg/l				Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.0	0.049	0.9823	0.007549	104	67.3	145	3.61	20			
Toluene	1.1	0.049	0.9823	0.02563	105	66.8	144	2.15	20			
Ethylbenzene	1.1	0.049	0.9823	0.01321	109	61.9	153	2.67	20			
Xylenes, Total	3.2	0.098	2.947	0.09173	107	65.8	149	2.71	20			
Surr: 4-Bromofluorobenzene	1.0		0.9823		102	80	120	0	0			

# Qualifiers:

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

Page 11 of 11

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: SMA-FARM	Work Order Numbe	r: 1 <b>312227</b>		RcptNo: 1	_
Received by/date:	12/05/13				
Logged By: Ashley Gallegos	12/5/2013 10:00:00 A	м	A		
Completed By: Ashley Gallegos	12/5/2013 4:00:51 PM	1	A		
Reviewed By:	12/08/2013				:
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?		Courier			
<u>Log In</u>					
4. Was an attempt made to cool the samples	?	Yes 🟏	No :	NA .	
5. Were all samples received at a temperatur	e of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗀	
6. Sample(s) in proper container(s)?	•	Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated test	(s)?	Yes 🗸	No 🗔		
8. Are samples (except VOA and ONG) prope	erly preserved?	Yes 🗸	No :		
9. Was preservative added to bottles?		Yes .	No 🗸	NA	
10.VOA vials have zero headspace?		Yes [	No :	No VOA Vials	
11. Were any sample containers received brol	ken?	Yes [T]	No 🗹	# of preserved bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	for pH: (<2 or >12 u	nless noted)
13. Are matrices correctly identified on Chain of	of Custody?	Yes 🔽	No 🗆	Adjusted?	
14. Is it clear what analyses were requested?		Yes 🗸	No	<b>6</b> 1 1 11	
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 with	this order?	Yes 🛄	No 🗀	na 🕍	
Person Notified:	Date:				
By Whom:	Via:	, [] eMail [] F	Phone  Fax	[ ] In Person	
Regarding:					
Client Instructions:					
17. Additional remarks:					
18. Cooler Information			I		
	Seal Intact   Seal No   es	Seal Date	Signed By		
Name of the second seco				<del></del>	

i .	silventracted data will be clearly notated on the analytical report		3	i portar	1	<u> </u>	1	atractic l	3	A C	P		12/19/13 10	21 STONY OF WHICH	1	Harles 1	Moto	1860	14/13
ক 	Please Invoice to Enterprise foolucts	de de	ري <u>ر</u> درچو	Š	ST.	ず	\\ \b' \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Š.	3	% §	Remarks: Placed	₹) R	Date Time	Jack	Received by:  Received by:		Relinquished by:  Relinquished by:	Time:	Date:
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s (Y		i-VC		cide	CI,N	etals	0 o			_		BE			Sample Temperature			EDD (Type)_	
or N)		) <u> </u>		s / 808	O <sub>3</sub> ,NO		8270					+ TM	No.	Steve Mosts	Sampler: 닷국 On Ice: - ※		□ Other _	itation AP	Accreditation  ☐ NELAP
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LABORATORY	A!	0	AB.		NALYSIS	<u> </u>	Ž	2				<u>-</u> -		□ Rush	© Standard	client: Souder, Miller & Associates/	c, Miller	مملام	Client
ENVIRONMENTAL	M Z	Z	0	Z	Z	m		H				_		Time:	Turn-Around Time:	Chain-of-Custody Record	of-Cust	hain-	0

District I 1625 N. French Dr., Hobbs, NM 88240 District II
811 S. First St., Artesia, NM 88210
District III 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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

Form C-141 Revised August 8, 2011

				Sa	ınta F	e, NM 87	505					_	
		F	Releas	e Notific	atio	n and C	orrective	Acti	ion		·		
			O	PERATO	₹	Report	☐ Final Re	∍por					
Name of C	ompany: E	Enterprise F	ield Serv	rices LLC		PERATOR							
		Ave, Farmir	igton, NN	187401		Telephone No. 505-599-2286 Facility Type: Natural Gas Gathering Line OIL CONS. DIV DIST.							
Facility Na	me: <b>Santa</b>	Rosa 4#1	· · · · · · · · · · · · · · · · · · ·			Facility Type	oe: <b>Natural G</b>	as Gat	thering L	ine UIL	יוט צוט.פווטע	.Jis ¹	
Surface Ov	vner: <b>Priv</b>	ate		Mineral	Owner	<del></del>	····		API No		111 2 5 2014		
				LOCA	ΔΤΙΩ	N OF REL	FASE				JOL HO FOR	<u> </u>	
						South	Feet from	East	West	County			
Α	4	29N	9W	the	Line		the	Line		San Jua	an		
	<u> </u>	<u> </u>	J	640			802			<u> </u>			
		Latitude <sub>-</sub>	36.75	9124		Longitud	le <u>-107.779</u>	9142					
				NAT	URE	OF RELI							
Type of Rele				<del></del>			f Release: Unk				d: Unknown	044	
Source of R	elease: Sus	spected inter	nal corros	ion		1	Hour of Occurre  2:30 p.m.	ence:	Date and @ 3:19		Discovery: <b>7/9/2</b>	014	
Was Immed	iate Notice		57. \			If YES, To	Whom? Notific	cation to	o NMOCD	- Cory Sr	mith,		
Required			⊠ Yes	□ No □ 1	Vot								
By Whom?	Thomas Loi	ng					Hour Notificatio						
Was a Watercourse Reached?							olume Impacting						
			⊠ Yes	∐ No		observed	on the ground s	surtace	within the	dry wash.			
If a Waterco	urse was Ir	npacted, Des	scribe Full	y.* There wer	e no flu	uids observed	on the ground	surface	e within the	e dry wash	٦.		
							personnel respo						
				eak and initiate uids observed				was is	olated, blo	wn down,	depressurized a	and	
lock out tag	out was ap	piled. There	WOLC TO III	alas obscived	2 011 1110	ground sun	ace.						
Describe Are	a Affected	and Cleanu	n Action T	aken: On July	9 201	I4 Enternrise	nersonnel rest	nonded	to a nossi	hle line le:	ak on the Santa		
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which may e	ndanger pu	ublic health c	or the envii	ronment. The	ассер	tance of a C-	141 report by the	he NMC	OCD marke	ed as "Fina	al Report" does:	not	
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operator or r			/ .	any other rout	Jiai, oil	OIL CONSERVATION DIVISION							
<b>(</b>		ر کے۔ مکر											
Signature: M. Culd						Annealed by Franciscompostal Specialists							
Printed Nam	e: Jon Fiel	ds		Approved by Environmental Specialist:									
Title: Directo	or, Field En	vironmental				Approval Da	ite: 7/25/1	4	ے Expiration	Date:			
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	121/14												
Date: 2/	10/17		Phon	e: (713)381-6	684								

\* Attach Additional Sheets If Necessary

#NCS 14120 656153