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

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

Form C-141

Revised August 8, 2011

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

### **Release Notification and Corrective Action**

		OPERA	TOR	Initial Report	xFinal Report
Name of Company Matador Resources Company	Contact Cathe	rine Green			
Address 500 N Main St Suite 1 Roswell NM 882	Telephone No	575-623-6601			
Facility Name Federal AF 1	Facility Type			Dec 07 2040	
		By OCD Dr Ober	uing at 12:44 pii	i, Dec 07, 2016	
Surface Owner	Mineral Owner Federal			API No.30-025-274	-06

### LOCATION OF RELEASE

Unit Letter K	Section 8	Township 18S	Range 32E	Feet from the 1980	North/South Line S	Feet from the 1980	East/West Line W	County Lea

# Latitude\_32.7602425 Longitude -103.7907257 NATURE OF RELEASE

1,111 0111 01 111111111								
Type of Release Produced Water	Volume of Release 10 barrels	Volume Recovered 0						
Source of Release tank over flowed	Date and Hour of Occurrence March 26-27, 2016	Date and Hour of Discovery March 27, 2016 11:00 am						
Was Immediate Notice Given? XYes No Not Required	If YES, To Whom?Larry Brigance, foreman							
By Whom? Anthony Sanchez	Date and Hour March 27, 2016 11:30							
Was a Watercourse Reached? Yes XNo	If YES, Volume Impacting the Watercourse.							

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Pumper miscalculated volume of water in tank. Did not call for water disposal truck in timely manner. Water spilled into containment. Remediation firm will collect soil samples, remove contaminated soil and replace.

Describe Area Affected and Cleanup Action Taken.\*

Produced water spilled to containment. Contaminated soil was removed and replaced. Per Kristen Lynch, verbal conversation Sep. 9, 2016, 6 feet of soil was removed and replaced.

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

Signature: Catherine Green	OIL CONSERVATION DIVISION	
Printed Name: Catherine Green	Approved by Environmental Specialist:	
Title: Regulatory Analyst	Approval Date: 12/07/2016 Expiration Date:	//
E-mail Address: cgreen@matadorresources.com	Conditions of Approval:	
Date Nov. 8, 2016 Phone: 575-623-6601	Attached 1R-4225	

<sup>\*</sup> Attach Additional Sheets If Necessary

# **RECEIVED**

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazzos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New | By JKeyes at 11:12 am, Mar 28, 2016

Energy Minerals and Natural Resources

Revised August 8, 2011

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

### Release Notification and Corrective Action

	OPERATOR	XInitial Report	Final Report
Name of Company Matador Resources Company	Contact Catherine Green	577	a: 0
Address 500 N Main St Suite 1 Roswell NM 88201	Telephone No. 575-623-6601		
Facility Name Federal AF 1	Facility Type Oil		

30	Surface Owner	Mineral Owner Federal	API No.30-025-27406
	D. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1111101010101010101010101010101010101010	111 11 10 50 005 01 100

### LOCATION OF RELEASE

### Latitude\_32.7602425 Longitude -103.7907257

#### NATURE OF RELEASE

Type of Release Produced Water	V olume of Release 10 barrels	V olume Recovered 0			
Source of Release tank over flowed	Date and Hour of Occurrence Date and Hour of Discovery March 26-27, 2016 March 27, 2016 11:00 am				
Was Immediate Notice Given?  XYes No Not Required	If YES, To Whom? Larry Brigance, foreman				
By Whom? Anthony Sanchez	Date and Hour March 27, 2016 11:30				
Was a Watercourse Reached? Yes XNo	If YES, Volume Impacting the Watercourse.				

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken \*

Pumper miscalculated volume of water in tank. Did not call for water disposal truck in timely manner. Water spilled into containment. Remediation firm will collect soil samples, remove contaminated soil and replace.

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

	OIL CONSERVATION DIVISION				
Signature: Catherine Green					
Printed Name: Catherine Green	Approved by Environmental Specialist: Janux lyge				
Title: Regulatory Analyst	03/28/2016 Approval Date:	Expiration De	ate: 05/28/2016		
E-mail Address: cgreen@matadorresources.com	Conditions of Approval:				
Date:March 28, 2016 Phone: 575-623-6601	Discrete site samples only. Delineate per NMOCD guidelines.	Attached 1RP 4225			

<sup>\*</sup> Attach Additional Sheets If Necessary

nJXK1608840214 pJXK1608840286



#### 2RP-4225

### Investigation Summary and Work Plan

Federal AF #1

June 21, 2016

### Introduction

This summary and work plan by Matador Resources details knowledge and plans for remediation of the Federal AF #1 spill between March 26 and 27, 2016. The Federal AF #1 is located in Section 8, Township 18S, Range 32E of Eddy County, NM. This is a federal lease. The geodetic position is 32°45.61455 N, 103°47.44354W. The release occurred between March 26 and 27, 2016. Approximately 10 barrels of fluid overflowed the produced water vessel. 0 barrels were recovered. The release was reported to the New Mexico Oil Conservation Division Hobbs office on March 28, 2016. OCD issued remediation project (RP) number 2RP-4225. Attachments include surveys, pictures, and map.

### **Setting**

The setting is as follows:

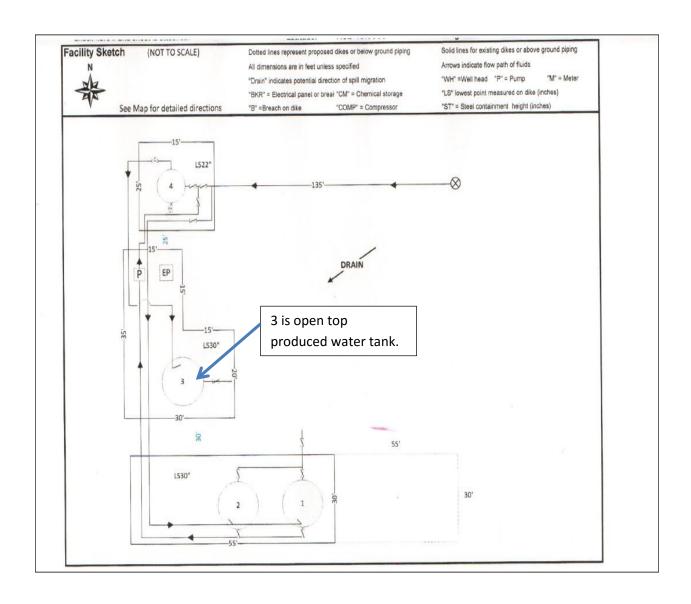
- The surface elevation is approximately 3,756 feet above sea level.
- The topography is undulating sands with Kermit soils and dune land, along with Pyote and maljamar fine sands.
- Groundwater depth is unknown or not present according to records from the New Mexico
   Office of the State Engineer (OSE)
- No fresh water wells in the area. (See attached OSE water well reports)

### **Remediation Action**

Collect soil samples at a minimum depth of 24 inches below surface near fire source to be analyzed by Cardinal Labs in Hobbs, NM. Upon return of results, determine whether or not soil needs to be remediated deeper than 24 inches below surface.

(A CLW##### in the POD suffix indicates the	(R=POD has been replaced,									
POD has been replaced	O=orphaned,									
& no longer serves a	0 1110 1110 10	(quarters :					3 UTM in meters)		(In feet	N.
water right file.)	POD	(quarters a	are siri	allesitu	i lai yesi)	(INADO	3 O I W III III eters)		(III lee	V.
POD Number	Sub- Code basin Co	Q ( unty 64 1	20000	c Tws	Rng	х	Y		Depth Water	Water Column
CP 00814	L	E 2	2 08	185	32E	614074	3626168* 🌑	480		
							Average Depth to	o Water:	(22)	
							Minimur	n Depth:		
							Maximun	n Depth:		
Record Count: 1				-0	Rectan	gular Si	ip			
PLSS Search:										
Section(s): 8	Towns	hip: 18S	D	ange: 3	25					

As can be seen above, one well has been drilled. However the depth of the well is 480 ft. This well was drilled in 1965 and water depth is blank.



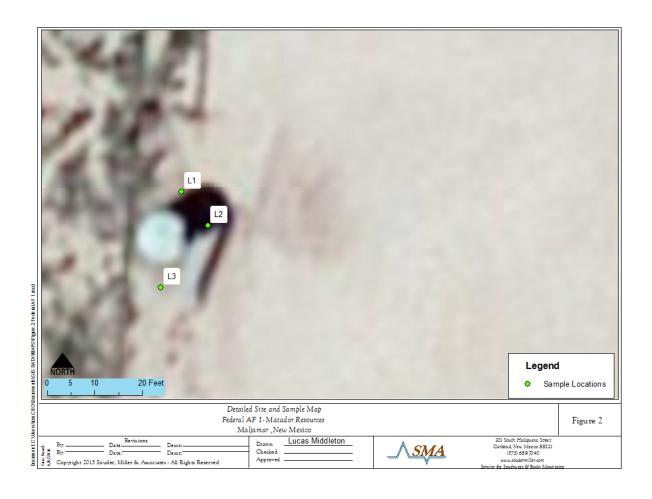






# **Remediation Actions**

Soil samples were collected as shown on the attached plat at the surface around the spill site.



The table depicting the results BTEX, TPH, and Chlorides is shown below.

Analytical Report- 1605A72	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1605A72- 001	L1	5/19/2016	0.5'	BDL	BDL	BDL	BDL	160
1605A72- 002	L1-1	5/19/2016	1'	N/A	N/A	N/A	N/A	390
1605A72- 003	L1-2	5/19/2016	2'	N/A	N/A	N/A	N/A	BDL
1605A72- 004	L1-3	5/19/2016	3'	N/A	N/A	N/A	N/A	2500
1605A72- 005	L2	5/19/2016	0.5'	BDL	BDL	BDL	BDL	580
1605A72- 006	L2-1	5/19/2016	1'	N/A	N/A	N/A	N/A	45
1605A72- 007	L2-2	5/19/2016	2'	N/A	N/A	N/A	N/A	2000
1605A72- 008	L2-3	5/19/2016	3'	N/A	N/A	N/A	N/A	N/A
1605A72- 009	L2-4	5/19/2016	4'	N/A	N/A	N/A	N/A	2300
1605A72- 010	L3	5/19/2016	0.5	BDL	BDL	BDL	250	8200
1605A72- 011	L3-1	5/19/2016	1'	N/A	N/A	N/A	N/A	4600
1605A72- 012	L3-2	5/19/2016	2'	N/A	N/A	N/A	N/A	1600
1605A72- 013	L3-3	5/19/2016	3'	N/A	N/A	N/A	N/A	260
1605A72- 014	L3-4	5/19/2016	4'	N/A	N/A	N/A	N/A	470

The results of the soil analysis are attached for further investigation. Matador proposes to remove up to 6 feet of contaminated soil and replace with top soil from a local vendor.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 02, 2016

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221

TEL: (575) 689-7040

FAX

RE: Fed AF 1 OrderNo.: 1605 A72

### Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 14 sample(s) on 5/24/2016 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely

Lab Order 1605A72

Date Reported: 6/2/2016

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L1-0.5

 Project:
 Fed AF 1
 Collection Date: 5/19/2016 3:00:00 PM

 Lab ID:
 1605 A72-001
 Matrix: SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL (	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	160	30	mg/Kg	20	5/26/2016 4:47:26 PM	25539
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	í.			Analyst	KJH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/27/2016 10:48:22 PM	25495
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/27/2016 10:48:22 PM	25495
Surr: DNOP	102	70-130	%Rec	1	5/27/2016 10:48:22 PM	25495
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/25/2016 2:17:08 PM	25461
Surr. BFB	121	80-120	S %Rec	1	5/25/2016 2:17:08 PM	25461
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	5/25/2016 2:17:08 PM	25461
Benzene	ND	0.023	mg/Kg	1	5/25/2016 2:17:08 PM	25461
Toluene	ND	0.047	mg/Kg	1	5/25/2016 2:17:08 PM	25461
Ethylbenzene	ND	0.047	mg/Kg	1	5/25/2016 2:17:08 PM	25461
Xylenes, Total	ND	0.094	mg/Kg	1	5/25/2016 2:17:08 PM	25461
Surr: 4-Bromofluorobenzene	114	80-120	%Rec	1	5/25/2016 2:17:08 PM	25461

### **Analytical Report**

Lab Order 1605A72

Date Reported: 6/2/2016

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: L1-1

Project: Fed AF 1

Lab ID: 1605 A72-002

CLIENT: Souder, Miller & Associates

Collection Date: 5/19/2016 3:00:00 PM

Matrix: SOIL Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qua	d Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analysi	t: LGT
Chloride	390	30	mg/Kg	20	5/31/2016 3:27:15 PM	25583

Lab Order 1605A72

Date Reported: 6/2/2016

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: L1-2

Project: Fed AF 1

Collection Date: 5/19/2016 3:00:00 PM

Lab ID: 1605A72-003

CLIENT: Souder, Miller & Associates

Matrix: SOIL

Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Anal	lyst: <b>LGT</b>
Chloride	ND	30	mg/Kg	20 5/31/2016 3:39:40 F	PM 25583

**Analytical Report** 

Lab Order 1605A72

Date Reported: 6/2/2016

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: L1-3

Project: Fed AF 1

**Collection Date:** 5/19/2016 3:00:00 PM

Lab ID: 1605A72-004

CLIENT: Souder, Miller & Associates

Matrix: SOIL Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: <b>LGT</b>
Chloride	2500	75	mg/Kg	50	6/2/2016 4:21:13 AM	25583

Lab Order 1605A72

Hall Environmental Analysis Laboratory, Inc. Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates Client Sample ID: L2-0.5

Project: Fed AF 1 Collection Date: 5/19/2016 3:00:00 PM **Lab ID:** 1605A72-005 Matrix: SOIL Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	580	30	mg/Kg	20	5/31/2016 4:54:09 PM	25583
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst:	KJH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/27/2016 11:10:11 PM	25495
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/27/2016 11:10:11 PM	25495
Surr: DNOP	101	70-130	%Rec	1	5/27/2016 11:10:11 PM	25495
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/25/2016 2:40:37 PM	25461
Surr. BFB	113	80-120	%Rec	1	5/25/2016 2:40:37 PM	25461
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Methyl tert-butyl ether (MTBE)	ND	0.094	mg/Kg	1	5/25/2016 2:40:37 PM	25461
Benzene	ND	0.023	mg/Kg	1	5/25/2016 2:40:37 PM	25461
Toluene	ND	0.047	mg/Kg	1	5/25/2016 2:40:37 PM	25461
Ethylbenzene	ND	0.047	mg/Kg	1	5/25/2016 2:40:37 PM	25461
Xylenes, Total	ND	0.094	mg/Kg	1	5/25/2016 2:40:37 PM	25461
Surr: 4-Bromofluorobenzene	113	80-120	%Rec	1	5/25/2016 2:40:37 PM	25461

### Analytical Report

Lab Order 1605A72 Date Reported: 6/2/2016

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: L1-1

CLIENT: Souder, Miller & Associates Collection Date: 5/19/2016 3:00:00 PM Project: Fed AF 1

Lab ID: 1605A72-006 Matrix: SOIL Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	45	20	ma/Ka	20	5/01/0018 5:08:00 DM	25502

Lab Order 1605A72

Date Reported: 6/2/2016

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: L1-2

**Project:** Fed AF 1 **Lab ID:** 1605 A72-007

CLIENT: Souder, Miller & Associates

 Collection Date: 5/19/2016 3:00:00 PM

 Matrix: SOIL
 Received Date: 5/24/2016 9:40:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Analyst: LGT

 Chloride
 2000
 75
 mg/Kg
 50
 8/2/2016 4:33:38 AM
 25583

### Analytical Report

Lab Order 1605A72

Date Reported: 6/2/2016

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: L1-3

**Project:** Fed AF 1 **Lab ID:** 1605 A72-008

CLIENT: Souder, Miller & Associates

Collection Date: 5/19/2016 3:00:00 PM

Received Date: 5/24/2016 9:40:00 AM

**ab ID:** 1605A72-008 **Matrix:** SOIL

 Analyses
 Result
 PQL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Analyst: LGT

 Chloride
 ND
 30
 mg/Kg
 20
 5/31/2016 5:31:23 PM
 25583

Analytical Report

Lab Order **1605A72**Date Reported: **6/2/2016** 

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L2-4

 Project:
 Fed AF 1
 Collection Date: 5/19/2016 3:00:00 PM

 Lab ID:
 1605 A72-009
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

 Analyses
 Result
 PQL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 300.0: ANIONS
 Chloride
 2300
 75
 mg/Kg
 50
 6/2/2016 4:46:03 AM
 25583

Lab Order **1605A72**Date Reported: **6/2/2016** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L3-0.5

 Project:
 Fed AF 1
 Collection Date: 5/19/2016 3:00:00 PM

 Lab ID:
 1605 A72-010
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF Date Analyzed B	Batch
EPA METHOD 300.0: ANIONS				Analyst: <b>L</b>	.GT
Chloride	8200	300	mg/Kg	200 6/2/2016 4:58:27 AM 2	25583
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	:		Analyst: <b>K</b>	ΚJH
Diesel Range Organics (DRO)	100	10	mg/Kg	1 5/27/2016 11:31:47 PM 2	25495
Motor Oil Range Organics (MRO)	150	50	mg/Kg	1 5/27/2016 11:31:47 PM 2	25495
Surr: DNOP	120	70-130	%Rec	1 5/27/2016 11:31:47 PM 2	25495
EPA METHOD 8015D: GASOLINE RA	Analyst: <b>N</b>	NSB			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1 5/25/2016 3:04:08 PM 2	25461
Surr: BFB	113	80-120	%Rec	1 5/25/2016 3:04:08 PM 2	25461
EPA METHOD 8021B: VOLATILES				Analyst: N	NSB
Methyl tert-butyl ether (MTBE)	ND	0.10	mg/Kg	1 5/25/2016 3:04:08 PM 2	25461
Benzene	ND	0.025	mg/Kg	1 5/25/2016 3:04:08 PM 2	25461
Toluene	ND	0.050	mg/Kg	1 5/25/2016 3:04:08 PM 2	25461
Ethylbenzene	ND	0.050	mg/Kg	1 5/25/2016 3:04:08 PM 2	25461
Xylenes, Total	ND	0.10	mg/Kg	1 5/25/2016 3:04:08 PM 2	25461
Surr: 4-Bromofluorobenzene	115	80-120	%Rec	1 5/25/2016 3:04:08 PM 2	25461

### Analytical Report

Lab Order 1605A72

Date Reported: 6/2/2016

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L3-1

 Project:
 Fed AF 1
 Collection Date: 5/19/2016 3:00:00 PM

 Lab ID:
 1605 A72-011
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS				Analy	st: <b>LGT</b>
Chloride	4600	150	mg/Kg	100 6/2/2016 5:10:52 AM	25583

Lab Order 1605A72

Date Reported: 6/2/2016

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates Client Sample ID: L3-2

 Project:
 Fed AF 1
 Collection Date: 5/19/2016 3:00:00 PM

 Lab ID:
 1605 A72-012
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: LGT
Chloride	1600	75	mg/Kg	50	6/2/2016 5:23:17 AM	25583

### Analytical Report

Lab Order **1605A72**Date Reported: **6/2/2016** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-3

 Project:
 Fed AF 1
 Collection Date: 5/19/2016 3:00:00 PM

 Lab ID:
 1605 A72-013
 Matrix:
 SOIL
 Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: LGT
Chloride	260	30	mg/Kg	20	5/31/2016 6:33:26 PM	25583

Lab Order 1605A72

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-4

**Project:** Fed AF 1 **Lab ID:** 1605 A72-014

Collection Date: 5/19/2016 3:00:00 PM Received Date: 5/24/2016 9:40:00 AM

Analyses	Result	PQL Qua	ıl Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	/st: <b>LGT</b>
Chloride	470	30	ma/Ka	20	5/31/2016 7:10:40 PM	A 25583

Matrix: SOIL

20.77	JMMARY ivironmenta			atory, Inc.					WO#:	1605A72 02-Jun-16
Client: Project:	Souder, M Fed AF 1	Ailler & Asso	ciates							
Sample ID	MB-25539	SampType	mblk	Tes	stCode: <b>EPA</b>	Method	300.0: Anion	s		
Client ID:	PBS	Batch ID:	25539	F	RunNo: <b>345</b>	33				
Prep Date:	5/26/2016	Analysis Date:	5/26/2016	\$	SeqNo: <b>106</b>	5112	Units: mg/K	g		
Analyte Chloride			QL SPK valu 1.5	ue SPK Ref Val	%REC I	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID	LCS-25539	SampType	lcs	Tes	stCode: <b>EP#</b>	Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID:	25539	F	RunNo: <b>345</b>	33				
Prep Date:	5/26/2016	Analysis Date:	5/26/2016	5	SeqNo: <b>106</b>	5113	Units: mg/K	g		
Analyte		Result P	QL SPK valu	ue SPK Ref Val	%REC I	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.0	0 0	93.0	90	110		4.720777, 74.647.000	
Sample ID	MB-25583	SampType	mblk	Tes	stCode: <b>EP</b> #	Method	300.0: Anion	s		
Client ID:	PBS	Batch ID:	25583	F	RunNo: <b>345</b>	91				
Prep Date:	5 <i>1</i> 31 <i>1</i> 2016	Analysis Date:	5/31/2016	:	SeqNo: <b>106</b>	6733	Units: mg/K	g		
Analyte		Result P	QL SPK valu	ue SPK Ref Val	%REC I	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5							
Sample ID	LCS-25583	SampType	cs	Tes	stCode: <b>EPA</b>	Method	300.0: Anion	s		
Client ID:	LCSS	Batch ID:	25583	F	RunNo: <b>345</b>	91				
Prep Date:	5 <i>1</i> 31 <i>1</i> 2016	Analysis Date:	5/31/2016	5	SeqNo: <b>106</b>	6734	Units: mg/K	g		

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1605A72 02-Jun-16

Client: Souder, Miller & Associates

**Project:** Fed AF 1

Sample ID LCS-25495	SampT	SampType: <b>LCS</b>			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch	1D: <b>25</b>	25495 RunNo: 34525							
Prep Date: 5/25/2016	Analysis D	ate: <b>5/</b>	27/2016	S	eqNo: <b>1</b>	065528	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.8	62.6	124			
Surr: DNOP	4.4		5.000		87.4	70	130			

Sample ID MB-25495	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	nID: <b>25</b>	495	F	RunNo: 3	4525				
Prep Date: 5/25/2016	Analysis 🛭	ate: <b>5/</b>	27/2016	5	SeqNo: 1	065529	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.8	70	130			

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1605A72

02-Jun-16

Client: Souder, Miller & Associates

Project: Fed AF 1

Sample ID MB-25461 Client ID: PBS	2000 CO	ype: <b>M</b> E			tCode: <b>E</b> RunNo: <b>3</b>		8021B: Volat	tiles		
Prep Date: 5/24/2016	Analysis E	)ate: <b>5/</b>	25/2016	S	SeqNo: <b>1</b>	063448	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1 1		1.000		114	80	120			

Sample ID LCS-25461	SampT	ampType: LCS TestCode: EPA Method 802					8021B: Vola	tiles		
Client ID: LCSS	Batc	Batch ID: 25461 RunNo: 34464								
Prep Date: 5/24/2016	Analysis E	ate: <b>5/</b>	25/2016	5	SeqNo: <b>1</b>	063449	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.1	0.10	1.000	0	111	61	143			
Benzene	1.1	0.025	1.000	0	106	75.3	123			
Toluene	1.1	0.050	1.000	0	106	80	124			
Ethylbenzene	1.0	0.050	1.000	0	103	82.8	121			
Xylenes, Total	3.1	0.10	3.000	0	103	83.9	122			
Surr: 4-Bromofluorobenzene	1.2		1.000		118	80	120			

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1605A72 02-Jun-16

Client: Souder, Miller & Associates

**Project:** Fed AF 1

Sample ID MB-25461	SampT	уре: МЕ	BLK	Test	tCode: <b>E</b> l	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	ID: <b>25</b>	461	F	lunNo: 3	4464				
Prep Date: 5/24/2016	Analysis D	ate: <b>5/</b>	25/2016	5	eqNo: 1	063427	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	80	120			

Sample ID LCS-25461	SampT	ype: <b>LC</b>	ype: LCS TestCode: EPA Method 80			8015D: Gaso	line Rang	e		
Client ID: LCSS	Batch	1D: <b>25</b>	461	F	RunNo: <b>3</b>	4464				
Prep Date: 5/24/2016	Analysis D	ate: <b>5/</b>	25/2016	S	SeqNo: <b>1</b>	064053	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.9	80	120			
Sum: BFB	1200		1000		121	80	120			S

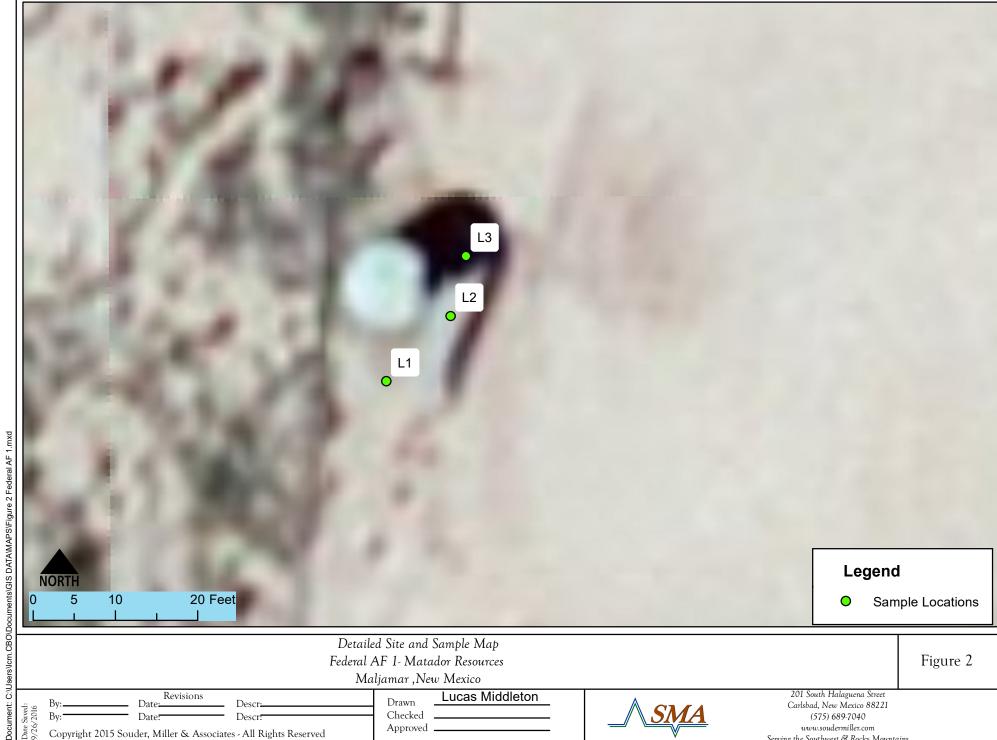
# ENVIRONMENTAL ANALYSIS

# 490) Harskins NE Albuquerque, NM 87109 Sample | og-In Check List

Client Name: SMA-CARLSBAD	Work Order Num	ber: 1605A	72		RcptNo: 1
Received by/date:	05/24	10			
Logged By: Ashley Gallegos	5/24/2016 9:40:00	AM	=A	*	
Completed By: Ashley Gallegos	5/24/2016 11:24:36	3 AM	A	3	
Reviewed By:	05/24/	1,,		0	
Chain of Custody	00/67/	6			
Custody seals intact on sample bottles?		Yes	l N	0 [ ]	Not Present
2. Is Chain of Custody complete?		Yes		o []	Not Present
3. How was the sample delivered?		Courie			0000 0000 0000 000000
Log In					
4. Was an attempt made to cool the samples	7	Yes	<b>€</b> N	lo 🗆	NA 🔲
5. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes 🖟	. No		NA []
6. Sample(s) in proper container(s)?		Yes k	<b>.</b> N	آ_ا ه	
7. Sufficient sample volume for indicated testi	(s)?	Yes &	H No	o [ ]	
8. Are samples (except VOA and ONG) proper	rly preserved?	Yes k	No.	[]	
9. Was preservative added to bottles?		Yes [	I No	<b>(</b>	NA []
10. VOA vials have zero headspace?		Yes	1 No	П	No VOA Vials
11, Were any sample containers received brok	en?	Yes	l No		77.
AN ASSESSMENT AND ASSESSMENT AND ASSESSMENT AND ASSESSMENT ASSESSM					# of preserved bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	No		for pH:
13. Are matrices correctly identified on Chain of	Custody?	Yes 🖟	No	LI	(<2 or >12 unless not Adjusted?
14. Is it clear what analyses were requested?	5,500	Yes 🖪		Ľ.	
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🖨	No	Li	Checked by:
Special Handling (if applicable)					
16. Was client notified of all discrepancies with	this order?	Yes	No		NA 🗺
Person Notified:	Date	Professional and the second	Morning to a series	No. of the comp	
By Whom:	Via:	eMail	Phone	Fax	In Person
Regarding: Client Instructions:	akak dinda ka aki mana piyayan nasasa			Onerone and	
Action to the control of the control					A TOTAL CONTRACTOR OF THE PROPERTY OF THE PROP
17. Additional remarks:					
8. Cooler Information					

Address:  Address:  Address:  Address:  Address:  Address:  Address:  Address:  Cot \$564  Project Manager:  Package:  AP	#five HEAL No.   COO!   A PEEX + MTBE + TMB's (8021)	### ANALYSIS LABORATO   1900	RCRA 8 Metals Anions (FC) NO <sub>2</sub> , NO <sub>2</sub> , SO <sub>4</sub> ) Anions (FC) NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> ) Anions (FC) NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> ) Anions (FC) NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> ) Anions (FC) NO <sub>3</sub> , NO <sub>3</sub> , NO <sub>4</sub> , SO <sub>4</sub> ) Anions (FC) NO <sub>4</sub> ,	M W W W W W W W W W W W W W W W W W W W
Address:  Address:  Address:  Fax#:  Froject Name:  Project Manager:  Package:  Itation  AP  On Ice:  AV  On Ice:	### HEAL NO. A BTEX + MTBE + TMB's (8021)	(OMM \ OMG \ \ OMG	Anions (F(Z)N0 <sub>3</sub> ,NO <sub>1</sub> ,SO <sub>4</sub> ,SO <sub>4</sub> ) 8.8 8.8 8.0 8.0 PO <sub>4</sub> ,SO <sub>4</sub> ,SO <sub>4</sub> ) 8.8 8.8 8.8 PO <sub>6</sub> 9.9 8.8 8.8 8.8 PO <sub>6</sub> 9.9 8.8 PO <sub>6</sub> 9.9 8.8 PO <sub>6</sub> 9.9 8.8 PO <sub>6</sub> 9.9 PO <sub>6</sub>	(AOV-ime8) 0728
Address: #: #: Fackage: Reckage: CType)  Time Matrix Sample Request ID  \$\frac{1}{2} \frac{1}{2} \frac	3.6-1006-2.6 HEAL NO. COL 7.8 (8021)		Anions (FC) NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )  8081 Pesticides / 8082 PCB's  82608 (VOA)	(AOV-ime2) 0728
Froject #:  Fax#:  Fax#:  Froject Manage	3.6-1006-2.6 HEAL NO. HEAL NO. A STEX+ MTBE + TMB's (8021)	(CAM \ OAG \ OAG) Before Hall \ (A) (A) \	Anions (P(O) N03,N02,P04,S04) > 808	(AOV-ime8) 07S8
##: Project Manage Package: Cartainon AP Container  Time Matrix Sample Request ID Type and #    12 05	#five HEAL No. BTEX + MTBE + TPH (Gas only)  BTEX + MTBE + TPH (Gas only)	TPH (Method 418.1)  EDB (Method 504.1)  PAH's (8310 or 8270 SIMS)  RCRA 8 Metals	8081 Pesticides / 8082 PCB's 8081 Pesticides / 8082 PCB's 82608 (VOA)	(AOV-ime8) 07S8
Project Manage Package:  Ap Cuther Sample Request ID Type and # 25	3.6-1.00.6-2.6   DNO   D	EDB (Method 504.1)  EDB (Method 504.1)  PAH's (8310 or 8270 SIMS)  RCRA 8 Metals	8081 Pesticides / 8082 PCB's	(AOV-ime2) 0728
Package:         Chevel 4 (Full Validation)         Acstraction           Apriled and Apriled and Apriled and Apriled Sample Request ID         Container Type and Apriled	### HEAL NO. HEAL NO. A BTEX + MTBE + TPH (Gas of the control of t	TPH (Method 418.1)  EDB (Method 504.1)  PAH's (8310 or 8270 SIMS)  RAPP (8310 or 8270 SIMS)	8081 Pesticides / 8082 PCB's	(AOV-ime8) 07S8
ndard □ Level 4 (Full Validation) // 4.5.7th itation  AP □ Other □ Other □ Container  Time Matrix Sample Request ID Type and #  \$62 \ \$6\cdot   \ \ L \rightarrow 2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	3.6-1006-2.6 HEAL NO. HEAL NO. A BTEX + MTBE + TPH (G. POS A 72 PC) A BTEX + MTBEX + MTB	TPH (Method 418.1) EDB (Method 504.1) HPH's (8310 or 8270 SIM RCRA 8 Metals	Pesticides / 8082 PC	(AOV-ime&) 07S8
Sampler: Cantainer   Sampler: Cantainer	3.6-1006=2.6  BTEX + MTBE + TMB  (005 P-72  -001 A	TPH (Method 418.1)  EDB (Method 504.1)  PAH's (8310 or 8270 3  RCRA 8 Metals	808 \ Pesticides / 808	(AOV-imeč) 0728
Time         Matrix         Sample Request ID         Container           362         5o, I         L I - Q 5         Image: Container of the street ID           1         1         1           2         2         3           3         3           4.2 - Q 5         3           1         1           1         1           1         1           1         1           2         3           3         1           4.1 - I         1	3.6-1006-2.6 HEAL NO. HEAL NO. CO. A BTEX+MTBE+	EDB (Method 418 EDB (Method 504 PAH's (8310 018) RACRA 8 Metals	\ sebioides \ 1808	(AOV-ime8) 07S8
Time Matrix Sample Request ID Container  \$62 \ \$6\cdot   \ \ L \ \ \ - \omega \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	HEAL NO.  BTEX + MTB  COOL  CO	EDB (Method EDB (Method 8310 APH's (8310	8081 Pesticid	V-ime8) 0728
Time Matrix Sample Request ID Container  362	HEAL NO.	EDB (Meth 88) 8HAY	ilseq 1808	ne2) 0728
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HALL ENVIRONMEN ANALYSIS LABORA www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107	RCRA 8 Metals Anions (FCMO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> ) 8981 Pesticides / 8082 PCB's 8260B (VOA) 8270 (Semi-VOA)	××
MALI ANALI ANALI ANALIA	BTEX + MTBE + TPH (Gas only) TPH 8015B (GRO / DRO / MRO) TPH (Method 418.1) EDB (Method 504.1) HPH's (6310 or 8270 SIMS)	Remarks:
Rush AF HAM	Preservative HEAL No. Type (1005 H72)	14 -014  Date Time  Shalle 080)  Date Time  O5/24/16 0946
M. (/e/ Max Custandard (Project Name:	Project Mana Sampler: Con loe: Sample Temp Container Type and #	Received by:
20.16d	Cother  Matrix  Sample Request ID	wished by wished by
Client: Vailing Address:	Fax#: *ackage: dard tation AP (Type) Time	18: Time: Reinq 18: 18: 18: 18: 18: 18: 18: 18: 18: 18:



Maljamar, New Mexico

Revisions Descr: Date: Copyright 2015 Souder, Miller & Associates - All Rights Reserved

Lucas Middleton Drawn Checked Approved



201 South Halaguena Street Carlsbad, New Mexico 88221 (575) 689-7040 www.soudermiller.com Serving the Southwest & Rocky Mountains

**Table 2: Summary of Laboratory Analyses** 

Analytical Report- 1609E42	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	CI- mg/Kg
1609E42- 001	L1	9/20/2016	5'	BDL	BDL	BDL	BDL	510
1609E42- 002	L2	9/20/2016	5'	BDL	BDL	BDL	85	260
1609E42- 003	L2	9/20/2016	6'	BDL	BDL	BDL	BDL	BDL
1609E42- 004	L3	9/20/2016	4.5'	BDL	BDL	BDL	270	410
1609E42- 005	L3	9/20/2016	6'	BDL	BDL	BDL	BDL	BDL



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

October 05, 2016

Austin Weyant Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221

TEL: (575) 689-7040

FAX

RE: Federal AF OrderNo.: 1609E42

### Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 9/23/2016 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

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 10/5/2016

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Souder, Miller & Associates

Client Sample ID: L1-5

 Project:
 Federal AF
 Collection Date: 9/20/2016 2:00:00 PM

 Lab ID:
 1609E42-001
 Matrix: SOIL
 Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	510	30	mg/Kg	20	10/3/2016 11:41:29 PM	27860
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/28/2016 5:35:44 PM	27716
Surr: BFB	103	70-130	%Rec	1	9/28/2016 5:35:44 PM	27716
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS	;			Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	9/29/2016 4:27:57 PM	27772
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/29/2016 4:27:57 PM	27772
Surr: DNOP	110	70-130	%Rec	1	9/29/2016 4:27:57 PM	27772
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	: AG
Methyl tert-butyl ether (MTBE)	ND	0.047	mg/Kg	1	9/28/2016 5:35:44 PM	27716
Benzene	ND	0.024	mg/Kg	1	9/28/2016 5:35:44 PM	27716
Toluene	ND	0.047	mg/Kg	1	9/28/2016 5:35:44 PM	27716
Ethylbenzene	ND	0.047	mg/Kg	1	9/28/2016 5:35:44 PM	27716
Xylenes, Total	ND	0.095	mg/Kg	1	9/28/2016 5:35:44 PM	27716
Surr: 1,2-Dichloroethane-d4	91.2	70-130	%Rec	1	9/28/2016 5:35:44 PM	27716
Surr: 4-Bromofluorobenzene	93.5	70-130	%Rec	1	9/28/2016 5:35:44 PM	27716
Surr: Dibromofluoromethane	112	70-130	%Rec	1	9/28/2016 5:35:44 PM	27716
Surr: Toluene-d8	88.4	70-130	%Rec	1	9/28/2016 5:35:44 PM	27716

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

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- 8 % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/5/2016

CLIENT: Souder, Miller & Associates Client Sample ID: L2-5

 Project:
 Federal AF
 Collection Date: 9/20/2016 2:00:00 PM

 Lab ID:
 1609E42-002
 Matrix: SOIL
 Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	260	30	mg/Kg	20	10/4/2016 12:18:44 AM	27860
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/28/2016 6:04:25 PM	27716
Surr: BFB	105	70-130	%Rec	1	9/28/2016 6:04:25 PM	27716
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	TOM
Diesel Range Organics (DRO)	85	9.4	mg/Kg	1	10/3/2016 12:27:17 PM	27809
Motor Oil Range Organics (MRO)	92	47	mg/Kg	1	10/3/2016 12:27:17 PM	27809
Surr: DNOP	107	70-130	%Rec	1	10/3/2016 12:27:17 PM	27809
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	: AG
Methyl tert-butyl ether (MTBE)	ND	0.047	mg/Kg	1	9/28/2016 6:04:25 PM	27716
Benzene	ND	0.024	mg/Kg	1	9/28/2016 6:04:25 PM	27716
Toluene	ND	0.047	mg/Kg	1	9/28/2016 6:04:25 PM	27716
Ethylbenzene	ND	0.047	mg/Kg	1	9/28/2016 6:04:25 PM	27716
Xylenes, Total	ND	0.095	mg/Kg	1	9/28/2016 6:04:25 PM	27716
Surr: 1,2-Dichloroethane-d4	93.8	70-130	%Rec	1	9/28/2016 6:04:25 PM	27716
Surr: 4-Bromofluorobenzene	89.7	70-130	%Rec	1	9/28/2016 6:04:25 PM	27716
Surr: Dibromofluoromethane	112	70-130	%Rec	1	9/28/2016 6:04:25 PM	27716
Surr: Toluene-d8	89.8	70-130	%Rec	1	9/28/2016 6:04:25 PM	27716

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

Qualifiers:	*	Value exceeds Maximum Contaminant I	Level

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/5/2016

CLIENT: Souder, Miller & Associates Client Sample ID: L2-6

 Project:
 Federal AF
 Collection Date: 9/20/2016 2:00:00 PM

 Lab ID:
 1609E42-003
 Matrix: SOIL
 Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	10/4/2016 12:31:09 AM	27860
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/28/2016 6:33:05 PM	27716
Surr: BFB	106	70-130	%Rec	1	9/28/2016 6:33:05 PM	27716
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/29/2016 5:54:14 PM	27772
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/29/2016 5:54:14 PM	27772
Surr: DNOP	105	70-130	%Rec	1	9/29/2016 5:54:14 PM	27772
EPA METHOD 8260B: VOLATILES SH	IORT LIST				Analyst	: AG
Methyl tert-butyl ether (MTBE)	ND	0.048	mg/Kg	1	9/28/2016 6:33:05 PM	27716
Benzene	ND	0.024	mg/Kg	1	9/28/2016 6:33:05 PM	27716
Toluene	ND	0.048	mg/Kg	1	9/28/2016 6:33:05 PM	27716
Ethylbenzene	ND	0.048	mg/Kg	1	9/28/2016 6:33:05 PM	27716
Xylenes, Total	ND	0.096	mg/Kg	1	9/28/2016 6:33:05 PM	27716
Surr: 1,2-Dichloroethane-d4	98.1	70-130	%Rec	1	9/28/2016 6:33:05 PM	27716
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	9/28/2016 6:33:05 PM	27716
Surr: Dibromofluoromethane	115	70-130	%Rec	1	9/28/2016 6:33:05 PM	27716
Surr: Toluene-d8	90.9	70-130	%Rec	1	9/28/2016 6:33:05 PM	27716

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

Qualifiers:	,
-------------	---

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/5/2016

CLIENT: Souder, Miller & Associates Client Sample ID: L3-4.5

 Project:
 Federal AF
 Collection Date: 9/20/2016 2:00:00 PM

 Lab ID:
 1609E42-004
 Matrix: SOIL
 Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	410	30	mg/Kg	20	10/4/2016 12:43:33 AM	27860
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/28/2016 7:01:47 PM	27716
Surr: BFB	105	70-130	%Rec	1	9/28/2016 7:01:47 PM	27716
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	270	9.9	mg/Kg	1	10/3/2016 12:49:16 PM	27809
Motor Oil Range Organics (MRO)	130	49	mg/Kg	1	10/3/2016 12:49:16 PM	27809
Surr: DNOP	108	70-130	%Rec	1	10/3/2016 12:49:16 PM	27809
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	: AG
Methyl tert-butyl ether (MTBE)	ND	0.048	mg/Kg	1	9/28/2016 7:01:47 PM	27716
Benzene	ND	0.024	mg/Kg	1	9/28/2016 7:01:47 PM	27716
Toluene	ND	0.048	mg/Kg	1	9/28/2016 7:01:47 PM	27716
Ethylbenzene	ND	0.048	mg/Kg	1	9/28/2016 7:01:47 PM	27716
Xylenes, Total	ND	0.096	mg/Kg	1	9/28/2016 7:01:47 PM	27716
Surr: 1,2-Dichloroethane-d4	99.6	70-130	%Rec	1	9/28/2016 7:01:47 PM	27716
Surr: 4-Bromofluorobenzene	86.5	70-130	%Rec	1	9/28/2016 7:01:47 PM	27716
Surr: Dibromofluoromethane	116	70-130	%Rec	1	9/28/2016 7:01:47 PM	27716
Surr: Toluene-d8	90.7	70-130	%Rec	1	9/28/2016 7:01:47 PM	27716

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

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/5/2016

CLIENT: Souder, Miller & Associates Client Sample ID: L3-6

 Project:
 Federal AF
 Collection Date: 9/20/2016 2:00:00 PM

 Lab ID:
 1609E42-005
 Matrix: SOIL
 Received Date: 9/23/2016 9:20:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: MRA
Chloride	ND	30	mg/Kg	20	10/4/2016 12:55:57 AM	27860
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/28/2016 7:30:26 PM	27716
Surr: BFB	104	70-130	%Rec	1	9/28/2016 7:30:26 PM	27716
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	}			Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	9/29/2016 7:20:19 PM	27772
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/29/2016 7:20:19 PM	27772
Surr: DNOP	87.9	70-130	%Rec	1	9/29/2016 7:20:19 PM	27772
EPA METHOD 8260B: VOLATILES SHO	ORT LIST				Analyst	: AG
Methyl tert-butyl ether (MTBE)	ND	0.046	mg/Kg	1	9/28/2016 7:30:26 PM	27716
Benzene	ND	0.023	mg/Kg	1	9/28/2016 7:30:26 PM	27716
Toluene	ND	0.046	mg/Kg	1	9/28/2016 7:30:26 PM	27716
Ethylbenzene	ND	0.046	mg/Kg	1	9/28/2016 7:30:26 PM	27716
Xylenes, Total	ND	0.092	mg/Kg	1	9/28/2016 7:30:26 PM	27716
Surr: 1,2-Dichloroethane-d4	99.7	70-130	%Rec	1	9/28/2016 7:30:26 PM	27716
Surr: 4-Bromofluorobenzene	88.9	70-130	%Rec	1	9/28/2016 7:30:26 PM	27716
Surr: Dibromofluoromethane	114	70-130	%Rec	1	9/28/2016 7:30:26 PM	27716
Surr: Toluene-d8	85.7	70-130	%Rec	1	9/28/2016 7:30:26 PM	27716

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

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
  - % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1609E42** 

05-Oct-16

Client: Souder, Miller & Associates

**Project:** Federal AF

Sample ID MB-27860 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 27860 RunNo: 37656

Prep Date: 10/3/2016 Analysis Date: 10/3/2016 SeqNo: 1172612 Units: mg/Kg

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

Chloride ND 1.5

Sample ID LCS-27860 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 27860 RunNo: 37656

Prep Date: 10/3/2016 Analysis Date: 10/3/2016 SeqNo: 1172613 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 95.6 90 110

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

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## Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 10/3/2016

**PQL** 

10

50

10.00

Result

ND

ND

11

WO#: 1609E42

05-Oct-16

**Client:** Souder, Miller & Associates

**Project:** Federal AF

Sample ID LCS-27772	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics											
Client ID: LCSS	Batch ID:	27772	F	RunNo: <b>37</b>	7555							
Prep Date: 9/28/2016	Analysis Date:	9/29/2016	8	SeqNo: 11	169384	Units: mg/Kg						
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	52	10 50.00	0	104	62.6	124						
Surr: DNOP	4.9	5.000		97.5	70	130						
Sample ID MB-27772	SampType:	MBLK	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Di	esel Rang	e Organics				
Client ID: PBS	Batch ID:	27772	F	RunNo: 37555								
Prep Date: 9/28/2016	Analysis Date:	9/29/2016	S	SeqNo: <b>1</b> 1	169386	Units: mg/Kg						
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	12	10.00		118	70	130						
Sample ID LCS-27809	SampType:	LCS	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Di	esel Rang	e Organics				
Client ID: LCSS	Batch ID:	27809	F	RunNo: 37	7625							
Prep Date: 9/30/2016	Analysis Date:	10/3/2016	8	SeqNo: <b>1</b> 1	171361	Units: mg/k	(g					
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	52	10 50.00	0	104	62.6	124						
Surr: DNOP	5.1	5.000		101	70	130						
Sample ID MB-27809	SampType:	MBLK	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Di	esel Rang	e Organics	·			
Client ID: PBS	Batch ID: <b>27809</b> RunNo: <b>37625</b>											

SPK value SPK Ref Val %REC LowLimit

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D

Prep Date: 9/30/2016

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Analyte

Surr: DNOP

- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

SeqNo: 1171362

106

Units: mg/Kg

130

HighLimit

70

- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

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**RPDLimit** 

Qual

%RPD

# Hall Environmental Analysis Laboratory, Inc.

WO#: **1609E42** 

05-Oct-16

Client: Souder, Miller & Associates

**Project:** Federal AF

Sample ID Ics-27716	SampT	Гуре: <b>LC</b>	s	Tes	8260B: Volatiles Short List							
Client ID: LCSS	Batcl	h ID: <b>27</b>	716	F								
Prep Date: 9/26/2016	Analysis D	Date: 9/	28/2016	5	SeqNo: 1	166848	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Methyl tert-butyl ether (MTBE)	1.1	0.050	1.000	0	111	70	130					
Benzene	1.1	0.025	1.000	0	111	49.2	155					
Toluene	0.89	0.050	1.000	0	88.7	52	154					
Ethylbenzene	0.96	0.050	1.000	0	96.0	70	130					
Xylenes, Total	2.8	0.10	3.000	0	94.9	70	130					
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.4	70	130					
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.8	70	130					
Surr: Dibromofluoromethane	0.55		0.5000		111	70	130					
Surr: Toluene-d8	0.43		0.5000		86.0	70	130					
Sample ID mb-27716 SampType: MBLK				Tes	TestCode: EPA Method 8260B: Volatiles Short List							
				_								

Sample 10 mb-2//16	Samp	iype. IVIE	SLN	resicode. <b>EPA Method 8260B: Volatiles Short List</b>									
Client ID: PBS	Batc	h ID: <b>27</b>	716	F	RunNo: 3	7515							
Prep Date: 9/26/2016	Analysis D	Date: 9/	/27/2016	S	SeqNo: 1	166849	Units: mg/k						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Methyl tert-butyl ether (MTBE)	ND	0.050											
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		107	70	130						
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.1	70	130						
Surr: Dibromofluoromethane	0.61		0.5000		121	70	130						
Surr: Toluene-d8	0.45		0.5000		89.2	70	130						

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 8 of 9

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1609E42** 

05-Oct-16

Client: Souder, Miller & Associates

**Project:** Federal AF

Sample ID Ics-27716 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: LCSS Batch ID: 27716 RunNo: 37515

Prep Date: 9/26/2016 Analysis Date: 9/27/2016 SeqNo: 1166751 Units: mg/Kg

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

 Gasoline Range Organics (GRO)
 23
 5.0
 25.00
 0
 90.2
 62.9
 123

 Surr: BFB
 520
 500.0
 105
 70
 130

Sample ID mb-27716 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: PBS Batch ID: 27716 RunNo: 37515

Prep Date: 9/26/2016 Analysis Date: 9/27/2016 SeqNo: 1166753 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 550 500.0 110 70 130

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Third to detected in the associated Method Blank

Page 9 of 9



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Client Name:	SMA-CARLSBAD	Work Order Numbe	er: 1609E42		RcptNo:	1
Received by/da	ate: AJ	09/23/14	<del></del>	-		
Logged By:	Michelle Garcia	/ 9/23/2016 9:20:00 AI	М	Mirelle Ga	nue	
Completed By:	Michelle Garcia	9/26/2016 12:54:23 F	PM	Miirul Ga Miirul Ga	nue)	
Reviewed By:	-	09/26/16		, ,		
Chain of Cu	stody	- CA (2019)		·····		
	eals intact on sample bo	ottles?	Yes 🗌	No 🗆	Not Present 🗹	
2. Is Chain of	Custody complete?		Yes 🗸	No 🗆	Not Present	
3. How was th	ne sample delivered?		Courier			
Log In						
4. Was an at	tempt made to cool the	samples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all sa	amples received at a te	mperature of >0° C to 6.0°C	Yes 🔽	No 🗆	na 🗆	
6. Sample(s)	in proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient s	ample volume for indic	ated test(s)?	Yes 🗹	No 🗌		
8. Are sample	es (except VOA and ON	IG) properly preserved?	Yes 🗹	No 🗆		
9. Was prese	rvative added to bottles	97	Yes 🗌	No 🗹	NA $\square$	
10.VOA vials l	have zero headspace?		Yes 🗌	No 🗆	No VOA Vials 🗹	
11. Were any	sample containers rece	vived broken?	Yes	No 🔽		
				_	# of preserved bottles checked	
	rwork match bottle labe		Yes 🗸	No 🗔	for pH: (<2 o	r >12 unless noted)
•	epancies on chain of co es correctly identified or	• •	Yes 🗹	No 🗆	Adjusted?	i - 12 dilless flotted)
. • .	hat analyses were requ	•	Yes ✓	No 🗆	_	
15. Were all ho	olding times able to be i	met?	Yes 🗹	No 🗌	Checked by:	
. (If no, notify	y customer for authoriza	ation.)				
Special Han	dling (if applicabl	<u>(e)</u>			·	
16. Was client	notified of all discrepar	cies with this order?	Yes 🗌	No 🗆	NA 🗹	
Perso	on Notified:	Date				
By W	/hom:	Via:	eMail	Phone Fax	☐ In Person	
Rega	arding:					
Clien	t Instructions:					
17. Additional	remarks:					_
18. Cooler Int				1	ı	
Cooler			Seal Date	Signed By	-	
	4.4 Good	Yes		L	1	

	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Anai	sel)	o ss2) esid\es	HPH (1.82) 3,NO <sub>2</sub> 4,1) (H) (H) (A) (A) (A)	1801 1801 1902 1908 1909 1909 1909 1909 1909 1909 1909	BTEX + MT TPH Method TPH (Method B310 (PNA) RCRA 8 Me Anions (FC 8081 Pestic 8260B (VOA) 8270 (Semi-		X	X	<del>\</del>						Remarks:	
Turn-Around Time:	☐ Standard □ Rush	Project Name:	rederal AL	Project #:		Project Manager:	Thisty Weyest	Sampler: LM	Temperature: M.49.C	Container Preservative HEAL No. X Type and # Type			X 800	大 hoの				=		Received by:    Chan   Chan   Chan   Re   Re   Re   Re   Re   Re   Re   R	Received by: Date Time
Chain-of-Custody Record	Client: 5 MA	Carlsbay	Mailing Address:		Phone #:	email or Fax#;	QA/QC Package:   □ Standard  □ Level 4 (Full Validation)	C C		Matrix Sample Request ID	9-30-1 500 50.1 61-5.	7 - 2 - 3	9-77	57-27	12 6					Date:         Time:         Relinquished by:           54 (22 / 16 0820         0820	Date: Time: Relinquished by:

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