District [
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 April 3, 2017

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

Santa Fe, NM 87505

			Rele	ease Notific	cation	and Co	rrective A	ction	1			
						OPERA	ΓOR		☐ Initia	al Report	Final l	Report
Name of Co	ompany l	Petro Mex I	LC			Contact Lir	n Wilson					
		24 Farmingt	on NM				No. 505-486-5					
Facility Na	me Kirtla	nd 18#1				Facility Typ	e Oil & Gas V	Vell			-1	
Surface Ow	ner FEE	<u> </u>		Mineral C	Owner				API No	. 30-045-26	203	
				LOCA	ATIO	OF RE	LEASE					
Unit Letter A	Section 18	Township 29N	Range 14W	Feet from the 990		South Line	Feet from the 360	East/ East	West Line	County San Juan		
		.	Latitud	le	L	ongitude		NAD	83			
				NAT	TURE	OF REL	EASE					
Type of Rele		ed Water				Volume of			Volume F			
Source of Re		Δ· Δ					lour of Occurrent	ce	Date and	Hour of Disco	overy 2012	
Was Immedi Yes Required		Given?	⊠ Yes	□ No □ No	ot	If YES, To NMOCD	Whom?					
By Whom?						Date and H	lour	····				
Was a Water No	course Rea	ched?	☐ Yes	⊠ No	<u>-</u>	If YES, Vo	olume Impacting	the Wat	ercourse.			
Describe Cau	use of Prob	lem and Reme	dial Actio	n Taken.*								
									OIL CON	IS. DIV DI	ST. 3	
15 11 4		1.01	A .1 77 1	<u> </u>					DE	C 8 201	7	
Resample Pi		and Cleanup A	Action Tai	ken.∓								
regulations a public health should their or or the enviro	Il operators or the envi operations l nment. In a	are required to ronment. The nave failed to	o report as acceptant adequately OCD accep	e is true and comp nd/or file certain r ce of a C-141 report investigate and r otance of a C-141	release no ort by the emediate	otifications au NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a thi	ctive act leport" (reat to g	tions for rele loes not reli round water	eases which meve the opera systems, surface water	nay endanger tor of liability er, human hea	,
	1.	110					OIL CON	SERV	ATION	DIVISIO	4	
Signature: • Printed Name			<u> </u>			Approved by	Environmental S	Specialis	it:		2	- 4
Title: V.P Op						Approval Dat	e: 12/18/1-	7	Expiration	Date:		
E-mail Addre	ess: linn w	ilson@sisna.co	om	 	,	Conditions of	Approval:			Attached	o	_
Date: 12/8	/2017	Phone	: 505-486	5-5557								

* Attach Additional Sheets If Necessary

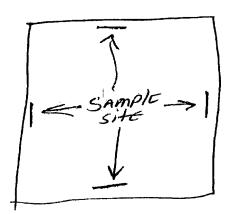
#NUS1735233258



KirtLAND 18-1

North

SEPERATOR



TANKS OO

SCI BoHom SAMPLES SC2 SIDEWALL SAMPLES



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

November 30, 2017

Linn R. Wilson
Petro Mex
PO Box 6724
Farmington, NM

TEL: (505) 485-5557

FAX

RE: Kirtland 18-1

OrderNo.: 1711A94

Dear Linn R. Wilson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/21/2017 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 www.hallenvironmental.com 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,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1711A94

Date Reported: 11/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Petro Mex

Project: Kirtland 18-1

Lab ID: 1711A94-001

Client Sample 1D: SC1

Collection Date: 11/17/2017 11:05:00 AM

Received Date: 11/21/2017 7:10:00 AM

Analyses	Result	PQL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	}			Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	11/29/2017 1:09:22 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/29/2017 1:09:22 PM
Surr: DNOP	95.0	70-130	%Rec	. 1	11/29/2017 1:09:22 PM
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/27/2017 9:52:43 AM
Surr. BFB	101	15-316	%Rec	1	11/27/2017 9:52:43 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	11/27/2017 9:52:43 AM
Toluene	ND	0.047	mg/Kg	1	11/27/2017 9:52:43 AM
Ethylbenzene	ND	0.047	mg/Kg	1	11/27/2017 9:52:43 AM
Xylenes, Total	ND	0.094	mg/Kg	1	11/27/2017 9:52:43 AM
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	11/27/2017 9:52:43 AM

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL. Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 5
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1711A94

Date Reported: 11/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Petro Mex

Client Sample ID: SC2

Project: Kirtland 18-1

Lab ID: 1711A94-002 Matrix: SOIL Collection Date: 11/17/2017 11:10:00 AM Received Date: 11/21/2017 7:10:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS	3			Analyst: TOM
Diesel Range Organics (DRO)	120	9.7	mg/Kg	1	11/29/2017 1:31:33 PM
Motor Oil Range Organics (MRO)	230	49	mg/Kg	1	11/29/2017 1:31:33 PM
Surr: DNOP	98.7	70-130	%Rec	1	11/29/2017 1:31:33 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/27/2017 11:03:41 AM
Sun: BFB	95.8	15-316	%Rec	1	11/27/2017 11:03:41 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/27/2017 11:03:41 AM
Toluene	ND	0.048	mg/Kg	1	11/27/2017 11:03:41 AM
Ethylbenzene	ND	0.048	mg/Kg	1	11/27/2017 11:03:41 AM
Xylenes, Total	ND	0.096	mg/Kg	1	11/27/2017 11:03:41 AM
Surr: 4-Bromofluorobenzene	94.9	80-120	%Rec	1	11/27/2017 11:03:41 AM

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
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 5
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1711A94

30-Nov-17

Client:

Petro Mex

Project:

Kirtland 18-1

Sample ID	LCS-35179

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS

Batch ID: 35179

RunNo: 47353

Prep Date: 11/28/2017

Analysis Date: 11/28/2017

SampType: MBLK

PQL

SeqNo: 1510946

Units: %Rec

Analyte

Result

PQL SPK value SPK Ref Val

%REC LowLimit

%RPD HighLimit

130

RPDLimit Qual

Surr. DNOP

Client ID:

4.4

5.000

TestCode: EPA Method 8015M/D: Diesel Range Organics

88.0

Sample ID MB-35179

PBS

Batch ID: 35179

RunNo: 47353

SeqNo: 1510947

70

Units: %Rec

130

Analyte Sur: DNOP

Prep Date: 11/28/2017

Analysis Date: 11/28/2017

10.00

SPK value SPK Ref Val %REC 91.5

LowLimit HighLimit %RPD **RPDLimit**

Qual

Sample ID LCS-35149

Client ID: LCSS

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

RunNo: 47353

Prep Date: 11/27/2017

Batch ID: 35149

44

Result

9.1

Analysis Date: 11/28/2017

SeqNo: 1511452

Units: mg/Kg

Analyte Diesel Range Organics (DRO) Surr: DNOP

Result 45

PQL 10

%REC SPK value SPK Ref Val 50.00

LowLimit

HighLimit %RPD **RPDLimit** Qual

91.0 73.2 114 88.5 70 130

Sample ID MB-35149 Client ID: PBS

SampType: MBLK Batch ID: 35149

PQL

10

50

TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 47353

Prep Date: 11/27/2017 Analyte

Sample ID LCS-35209

Analysis Date: 11/28/2017

SeqNo: 1511453

Units: mg/Kg

Diesel Range Organics (DRO)

ND

Result

Result

Result

9.1

4.4

5.000

RPDLimit

Qual

Motor Oil Range Organics (MRO)

ND

SPK value SPK Ref Val %REC LowLimit

%RPD HighLimit

Sur: DNOP

8.9 SampType: LCS

PQL

10.00

89 4

70

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Prep Date: 11/29/2017 Analysis Date: 11/29/2017

Batch ID: 35209

RunNo: 47389 SeqNo: 1512108

Units: %Rec

HighLimit

130

130

RPDLimit Qual

Analyte Sur: DNOP

SampType: MBLK

Analysis Date: 11/29/2017

5.000

10.00

SPK value SPK Ref Val

SPK value SPK Ref Val %REC 88.5

LowLimit

HighLimit 70

%RPD 130

Sample ID MB-35209

Client ID:

11/29/2017

Batch ID: 35209

RunNo: 47389

%REC

91.0

SeqNo: 1512109

70

LowLimit

TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: %Rec

RPDLimit Qual

%RPD

Analyte Surr: DNOP

н

Prep Date:

Qualifiers:

Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Holding times for preparation or analysis exceeded

Analyte detected in the associated Method Blank

Value above quantitation range Analyte detected below quantitation limits

Sample pH Not in Range

RL Reporting Detection Limit Sample container temperature is out of limit as specified Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1711A94

30-Nov-17

Client:

Petro Mex

Project:

Kirtland 18-1

Sample ID MB-35130

SampType: MBLK Batch ID: 35130

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

RunNo: 47349

Prep Date: 11/22/2017

5.0

Analysis Date: 11/27/2017 PQL

SeqNo: 1510598

Units: mg/Kg

Analyte

Sum BFB

Result Gasoline Range Organics (GRO)

SPK value SPK Ref Val

%REC LowLimit

316

HighLimit

RPDLimit

%RPD

%RPD

%RPD

Qual

Sample ID LCS-35130

SampType: LCS

101

75.9

15

15

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: 35130

PQL

RunNo: 47349

Units: mg/Kg

Prep Date: 11/22/2017

Analysis Date: 11/27/2017

25

1100

ND

1000

SeqNo: 1510600

RPDLimit

Analyte Gasoline Range Organics (GRO)

SPK value SPK Ref Val

1000

%REC LowLimit 99.6

HighLimit

Result

5.0 25.00 1000

113

131 316

Sur: BFB

Sample ID 1711A94-002AMS

SampType: MS

Batch ID: 35130

PQL

4.6

RunNo: 47349

TestCode: EPA Method 8015D: Gasoline Range

Prep Date: 11/22/2017

Client ID: SC2

Analysis Date: 11/27/2017

SPK value SPK Ref Val

SPK value SPK Ref Val

SeqNo: 1510605

Units: mg/Kg

128

HighLimit

RPDLimit

Qual

Qual

Surr: BFB

Analyte

22 Gasoline Range Organics (GRO) 1100 22.91 916.6

119

%REC

98.2

316 TestCode: EPA Method 8015D: Gasoline Range

Result

Result

Sample ID 1711A94-002AMSD Client ID: SC2

SampType: MSD Batch ID: 35130

PQL

4.7

RunNo: 47349

77.8

15

LowLimit

77.8

15

Analyte

Prep Date: 11/22/2017

Gasoline Range Organics (GRO)

Analysis Date: 11/27/2017

SeqNo: 1510607

Units: mg/Kg HighLimit

%RPD **RPDLimit**

20

0

Surr. BFB

23 1100 23.56 942.5 n 97.5 112

%REC LowLimit

128 316

0

2.13

Qualifiers:

ND

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not in Range
- Reporting Detection Limit Sample container temperature is out of limit as specified

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1711A94 *30-Nov-17*

Client:

Petro Mex

Project:

Kirtland 18-1

Sample ID MB-35130	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Bato	h ID: 35	130	F	RunNo: 4	7349				
Prep Date: 11/22/2017	Analysis [Date: 1º	1/27/2017	8	SeqNo: 1	510626	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Taluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID LCS-35130	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h (D: 35	130	F	RunNo: 4	7349				
Prep Date: 11/22/2017	Analysis [Date: 1	1/27/2017	\$	SeqNo: 1	610827	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	77.3	128			
Toluene	0.95	0.050	1.000	0	95.4	79.2	125		•	
Ethylbenzene	0.94	0.050	1.000	0	94.4	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	95.2	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID 1711A94-001AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: SC1	Batch	1D: 35	130	F	RunNo: 4	7349				
Prep Date: 11/22/2017	Analysis D)ate: 11	1/27/2017	8	SeqNo: 1	510629	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9560	0	92.4	80.9	132		-	
Toluene	0.88	0.048	0.9560	0	92.3	79.8	136	•		
Ethylbenzene	0.87	0.048	0.9560	0	91.5	79.4	140			
Xylenes, Total	2.6	0.096	2.868	0	92.4	78.5	142			
Surr: 4-Bromofluorobenzene	0.93		0.9560		97.1	80	120			

Sample ID 1711A94-001AM	I SD SampT	ype: MS	SD	Tes	(Code: E	PA Method	8021B: Vola	tiles		
Client ID: SC1	Batch	h ID: 35	130	F	RunNo: 4	7349				
Prep Date: 11/22/2017	Analysis D	Date: 11	1/27/2017	5	SeqNo: 1	510630	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9615	0	91.4	80.9	132	0.502	20	
Toluene	0.87	0.048	0.9615	0	90.5	79.8	136	1.42	20	
Ethylbenzene	0.86	0.048	0.9615	0	89.4	79.4	140	1.77	20	
Xylenes, Total	2.6	0.096	2.885	0	90.0	78.5	142	2.01	20	
Surr: 4-Bromofluorobenzene	0.96		0.9615		100	80	120	0	0	

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
- PQL Practical Quanitative Limit
- 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 5 of 5



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:	PETRO MEX	V	Nork Order Numb	er: 1711/	\94			RoptNo	: 1
Received By:	Anne Thorn	.e 11/	21/2017 7:10:00	AM		Om.	M.		
Completed By:	Anne Thorn		21 /2 017 12:21:4			Asra 2 Asra 2	N		
Reviewed By:	DD5	=	121/17			Clore	/	_	
reviewed by.	V 10.3	,,							
Chain of Cus	tody								
1, Custody sea	ls intact on sai	mple bottles?		Yes		No		Not Present 🗹	
2. Is Chain of C	Custody comple	ete?		Yes	\checkmark	No		Not Present	
3. How was the	sample delive	red?		Cour	<u>ier</u>				
<u>Log In</u>									
4. Was an atte	empt made to c	ool the samples?		Yes	\mathbf{Z}	No		na 🗆	l
5. Were all sar	mples received	at a temperature of	>0° C to 6.0°C	Yes	V	No !		NA 🗆	
6. Sample(s) is	n proper contai	ner(s)?		Yes	Ø	No			•
7. Sufficient sa	mple volume f	or indicated test(s)?		Yes	Ø	No			
8. Are samples	(except VOA	and ONG) properly pr	reserved?	Yes	$ \mathbf{V} $	No			
9. Was presen	ative added to	bottles?		Yes		No	\mathbf{Z}	NA 🗆	-
10.VOA vials ha	ave zero heads	pace?		Yes		No		No VOA Vials 🗹	
11, Were any s	ample containe	rs received broken?		Yes		No	☑	# of preserved	
40.5					C a		_ l	bottles checked	
12. Does papen (Note discre	work match bot pancles on cha			Yes	Y	No		for pH: (<2	or >12 unless noted)
	-	tified on Chain of Cus	itody?	Yes	$ \mathbf{Z} $	No		Adjusted?	
14. Is it clear wh	at analyses we	re requested?		Yes	\mathbf{V}	No			
15. Were all holi	ding times able			Yes	\square	No		Chacked by:	
•		·							
<u>Special Hand</u>	iling (if app	<u>licable)</u>							
16. Was client n	otified of all dis	crepancies with this	order?	Yes		No		NA 🗹	_
Persor	n Notified:		Date	:					
By Wh	nom:		Via:	eMa	iil 🔲	Phone 🗌	Fax	☐ In Person	
Regan	· '								
Client	Instructions:								
17. Additional re	emarks:								
18. Cooler Info	mation								
Cooler N	o Temp ℃		ntact Seal No	Seal D	te	Signed 9	у		
<u>[1</u>	1.2	Good Yes	·		: 		اــــا		

I no ensuary, samples submitted to Halle Ayronmental may to supporting and promote accordingly abolatories. This serves as no live of this possibility	4:08 Jan Shaley	T Ze.	LAN 11:45 Keingusnog by										11:10 Soil	1-17-17 11:05 Soil SOIL SC1	Date Time Matrix Sample Request ID	⊃ EDD (Type)	□ NELAP □ Other	Accreditation	☐ Standard ☐ Level 4 (Full Validation)	email or Fax#: Inn bilson (a) SisyA. Com	Phone #: 505-481-5557	FARMING ton	Mailing Address: P.O. 8-2-6724		Client Petro Key	Chain-of-Custody Record
contracted to other accordigity attornances. This serv	Whent Und "to	Received by. O Date	Dan Shirlay 11-17-17	Cat									+		Container Preservative HEAL No Type and # Type	Sample Temperature:	On loe: XYes U No	Sampler: Ling R. Wilson	Linn R. Wilson	Project Manager:	Below (FRADE P.1	Project #:	Kirtano 18-2	T SO OCT NO.	Standard Shush Hor	Turn-Around Time:
es as nolium of dés pues	1. holi7 1608	Time	1. S 44. 24.	Times						~~ ;			762 1	C.	BTEX + M.	TBE	+ T	мв	's (80	121)					PT	£
			ic pours									hu, wnw e		~	BTEX + MT					<u>_</u>	-	Tel. 5	4901		A A	
Any sub-continuent data will be clearly notated on the analytical report			S L												TPH (Meth							Tel. 505-345-3975	4901 Hawkins NE		> :	Ī
Design of		Ą		L	-	-			_						EDB (Meth			· · ·			-	5-397	S NE	www.hallenvironmental.com	ANALYSIS LABORATORY	
ato vill t	1	はいいと	Asnuz Marwal	\vdash	+-	-			\dashv						RCRA 8 M				SIIVIS	<u>'</u>	Anal		•	allen	X	
Se ciental		S)	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.												Anions (F.0	CI,N	0,.1	NO ₂	.PO ₄	SO ₄	Analysis Request	Fax 505-345-4107	arbud	irona	SIS	Z
ly notat		3			_	↓_									8081 Pesti		s / 8	308	2 PCI	3's	l nioay	505-3	anta	nenta		ij
4 دم، نا		7	۶,	L	-	╁┈	-		_		 				8250B (VO			···	,		est	45-4	Z	Con	B	
no andy			PV2	-	+-	-		-			 -				8270 (Sem	I-VC	JA)					107	Albuquerque, NM 87109	~	OR	ENVIRONMENTAL
A CED FG)				-	+	\dagger								-							-		Ø		AT	T) Z
2																	· · ·								OR	T
					1	<u> </u>	<u> </u>			····	 <u> </u>				Air Or tables	. ~		.15							٦ '	-

Air Bubbles (Y or N)



May 16, 2012

Cindy Gray Souder, Miller and Associates 2101 San Juan Boulevard Farmington, NM 87401

TEL: (505) 325-5667 FAX (505) 327-1496

RE: Petromax Pit Closures

Samples over 08 Limits
Site RANK 20 Additional
work to possible.
No closure Report or C-1471

OIL CONS. DIV DI

OrderNo.: 1205344

Dear Cindy Gray:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/8/2012 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 www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1205344

Date Reported: 5/16/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: Kirtland 18-1 5 pt. composite

Project: Petromax Pit Closures

Collection Date: 5/7/2012 9:00:00 AM

Lab ID: 1205344-001 Ma

Matrix: SOIL

Received Date: 5/8/2012 10:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RAN	GE ORGANICS					Analyst: JMP
Diesel Range Organics (DRO)	370	200		mg/Kg	20	5/9/2012 3:29:48 PM
Surr: DNOP	0	77.4-131	S	%REC	20	5/9/2012 3:29:48 PM
EPA METHOD 8015B: GASOLINE F	RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	49		mg/Kg	10	5/10/2012 4:39:33 AM
Surr: BFB	ų 104	69.7-121		%REC	10	5/10/2012 4:39:33 AM
EPA METHOD 8021B: VOLATILES	,					Analyst: NSB
Benzene	, ND	0.49		mg/Kg	10	5/10/2012 4:39:33 AM
Toluene	\ ND	0.49		mg/Kg	10	5/10/2012 4:39:33 AM
Ethylbenzene	· ND	0.49		mg/Kg	10	5/10/2012 4:39:33 AM
Xylenes, Total	ND	0.98		mg/Kg	10	5/10/2012 4:39:33 AM
Surr: 4-Bromofluorobenzene	93.2	80-120		%REC	10	5/10/2012 4:39:33 AM
EPA METHOD 418.1: TPH						Analyst: JMP
Petroleum Hydrocarbons, TR	2,300	200		mg/Kg	10	5/9/2012

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 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
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Souder, Miller and Associates

Result

Project:

Petromax Pit Closures

Sample ID MB-1846

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID: PB\$

Batch ID: 1846

RunNo: 2658

Analysis Date: 5/9/2012

SeqNo: 73878

Units: mg/Kg

Qual

Analyte

Prep Date: 5/8/2012

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

%RPD

Petroleum Hydrocarbons, TR

20 ND

SampType: LCS

PQL

20

PQL

TestCode: EPA Method 418.1: TPH

Sample ID LCS-1846

Client ID: LCSS

Batch ID: 1846

RunNo: 2658

LowLimit

87.8

115

Analyte

Analyte

Prep Date: 5/8/2012

Analysis Date: 5/9/2012

SeqNo: 73879 %REC

Units: mg/Kg HighLimit

RPDLimit Qual

RPDLimit

Petroleum Hydrocarbons, TR

98 SampType: LCSD

TestCode: EPA Method 418.1: TPH

Sample ID LCSD-1846

Batch ID: 1846

Result

97

RunNo: 2658

Client ID: LCSS02 Prep Date: 5/8/2012

Analysis Date: 5/9/2012

PQL

20

SeqNo: 73880 %REC

98.3

Units: mg/Kg

Qual

%RPD **RPDLimit** HighLimit

Petroleum Hydrocarbons, TR

100.0

SPK value SPK Ref Val

SPK value SPK Ref Val

100.0

97.0

0

87.8

LowLimit

1.35 115

8.04

Qualifiers:

- */X Value exceeds Maximum Contaminant Level.
- Value above quantitation range
- Analyte detected below quantitation limits
- RPD 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
- Reporting Detection Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Souder, Miller and Associates

4.7

Project:

Petromax Pit Closures

TestCode: EPA Method 8015B: Diesel Range Organics Sample ID MB-1847 SampType: MBLK Client ID: PBS Batch ID: 1847 RunNo: 2657 Prep Date: 5/8/2012 Analysis Date: 5/9/2012 SeqNo: 73841 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Diesel Range Organics (DRO) ND 10 Sum: DNOP 9.8 10.00 97.5 77.4 131

Sample ID LCS-1847 SampType: LCS TestCode: EPA Method 8015B: Diesel Range Organics Client ID: LCSS Batch ID: 1847 RunNo: 2657 Prep Date: 5/8/2012 Analysis Date: 5/9/2012 SeqNo: 73848 Units: mg/Kg Result SPK value SPK Ref Val %REC LowLimit **HighLimit** %RPD **RPDLimit** Qual Analyte Diesel Range Organics (DRO) 50.00 54 10 0 108 62.7 139 Surr: DNOP

93.6

77.4

131

5.000

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits

RPD 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

Reporting Detection Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Souder, Miller and Associates

Project:

Petromax Pit Closures

Sample ID MB-1853

SampType: MBLK

TestCode: EPA Method 8015B: Gasoline Range

Client ID:

Batch ID: 1853

PQL

5.0

0

RunNo: 2682

Units: mg/Kg

Analyte

Analyte

Prep Date: 5/8/2012

Analysis Date: 5/9/2012

SeqNo: 74500 SPK value SPK Ref Val %REC

HighLimit

%RPD

Qual

Gasoline Range Organics (GRO) Surr. BFB

ND 1,000

Result

1,000

103

121

RPDLimit

Sample ID LCS-1853

SampType: LCS

Analysis Date: 5/9/2012

TestCode: EPA Method 8015B: Gasoline Range

69.7

Client ID: LCSS Prep Date: 5/8/2012

Batch ID: 1853

RunNo: 2682

%REC

SeqNo: 74502

LowLimit

Units: mg/Kg

RPDLimit

Gasoline Range Organics (GRO)

Result PQL 29 5.0

25.00

SPK value SPK Ref Val

118 111

98.5

Surr: BFB

1,100

1,000

69.7

LowLimit

133 121

HighLimit

%RPD

Qual

Qualifiers:

R

*/X Value exceeds Maximum Contaminant Level.

Value above quantitation range

Analyte detected below quantitation limits RPD outside accepted recovery limits

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit

Reporting Detection Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Souder, Miller and Associates

Project:

Petromax Pit Closures

Sample ID MB-1853	SamnT	ype: ME	DI K	Tes	Code: El	DA Mothod	8021B: Volat	ilee		
Sample ID WIB-1093		,,					OUZID. VOIAL	lies		
Client ID: PBS	Batch	n ID: 18	53	F	RunNo: 20	682				
Prep Date: 5/8/2012	Analysis D	ate: 5/	9/2012	S	SeqNo: 7	4553	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	80	120			

Sample ID LCS-1853		ype: LC					8021B: Volat	tiles				
Client ID: LCSS Prep Date: 5/8/2012						RunNo: 2682 SegNo: 74554 Units: mg/Kg						
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.95	0.050	1.000	0	94.8	83.3	107					
Toluene	0.96	0.050	1.000	0	96.2	74.3	115					
Ethylbenzene	0.95	0.050	1.000	0	95.1	80.9	122					
Xylenes, Total	2.9	0.10	3.000	3.000 0 96.0 85.2 123								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.5	80	120					

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD 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

RL Reporting Detection Limit

Page 5 of 5



riau Environmeniai Anaiysis Laooruior) 4901 Hawkins NE Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.com

Sample Log-In Check List

SMA-FARM Work Order Number: 1205344 Client Name: Received by/date: Mirelle Green 5/8/2012 10:00:00 AM Logged By: Michette Garcia Completed By: Michelle Garcia 5/8/2012 12:08:52 PM Reviewed By: Chain of Custody Yes | No | Not Present 1. Were seals intact? Yes 🗹 No 🗌 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier <u>Log In</u> Yes 🗸 No 🗌 NA 🗌 4. Coolers are present? (see 19. for cooler specific information) Yes 🗹 No 🗌 NA 🗆 5. Was an attempt made to cool the samples? Yes 🗹 No 🗌 NA 🗆 6. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗹 No 🗌 7. Sample(s) in proper container(s)? Yes 🗹 No 🗆 8. Sufficient sample volume for indicated test(s)? Yes 🗹 No 🗌 9 Are samples (except VOA and ONG) properly preserved? NA 🗆 Yes 🗌 No 🗹 10. Was preservative added to bottles? Yes 🗌 No 🔲 No VOA Vials 🗹 11. VOA vials have zero headspace? Yes D No 🗹 12. Were any sample containers received broken? # of preserved Yes 🗹 No 🗆 13. Does paperwork match bottle labels? bottles checked (Note discrepancies on chain of custody) for pH: Yes 🗹 No 🗆 (<2 or >12 unless noted) 14. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 Adjusted? 15. Is it clear what analyses were requested? Yes 🗹 No 🗌 16. Were all holding times able to be met? (If no, notify customer for authorization.) Checked by: Special Handling (if applicable) 17. Was client notified of all discrepancies with this order? Yes D No D NA 🗹 Person Notified: Date: By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 18. Additional remarks: 19. Cooler Information Cooler No Temp C Condition Seal Intact Seal No Seal Date Signed By 1.0 Good Yes

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□ NEL		U Othe	er				+	+	TPH Method 8015B	418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	<u>0</u>	<u>o</u>	/ Se		8270 (Semi-VOA)	reas/	d		I,
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

May 16, 2012

Cindy Gray
Souder, Miller and Associates
2101 San Juan Boulevard
Farmington, NM 87401

TEL: (505) 325-5667 FAX (505) 327-1496

RE: Petromax Pit Closures

OrderNo.: 1205344

Dear Cindy Gray:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/8/2012 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 www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1205344

Date Reported: 5/16/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: Kirtland 18-1 5 pt. composite

Project: Petromax Pit Closures

Collection Date: 5/7/2012 9:00:00 AM

Lab ID: 1205344-001

Matrix: SOIL

Received Date: 5/8/2012 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE	ORGANICS					Analyst: JMP
Diesel Range Organics (DRO)	370	200		mg/Kg	20	5/9/2012 3:29:48 PM
Surr: DNOP	0	77.4-131	S	%REC	20	5/9/2012 3:29:48 PM
EPA METHOD 8015B: GASOLINE RAI	NGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	49		mg/Kg	10	5/10/2012 4:39:33 AM
Surr: BFB	104	69.7-121		%REC	10	5/10/2012 4:39:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.49		mg/Kg	10	5/10/2012 4:39:33 AM
Toluene	ND	0.49		mg/Kg	10	5/10/2012 4:39:33 AM
Ethylbenzene	ND	0.49		mg/Kg	10	5/10/2012 4:39:33 AM
Xylenes, Total	ND	0.98		mg/Kg	10	5/10/2012 4:39:33 AM
Surr: 4-Bromofluorobenzene	93.2	80-120		%REC	10	5/10/2012 4:39:33 AM
EPA METHOD 418.1: TPH						Analyst: JMP
Petroleum Hydrocarbons, TR	2,300	200		mg/Kg	10	5/9/2012

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

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

RL Reporting Detection Limit

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Analyte

Souder, Miller and Associates

Project:

Petromax Pit Closures

Sample ID MB-1846

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID:

PBS

Batch ID: 1846

PQL

20

RunNo: 2658

Prep Date: 5/8/2012

Analysis Date: 5/9/2012

SeqNo: 73878

Units: mg/Kg

HighLimit

%RPD **RPDLimit**

Qual

Petroleum Hydrocarbons, TR

Result ND

SampType: LCS

TestCode: EPA Method 418.1: TPH

LowLimit

LowLimit

Sample ID LCS-1846

%REC

Client ID: LCSS

Batch ID: 1846

RunNo: 2658

Prep Date: 5/8/2012

Analysis Date: 5/9/2012

SegNo: 73879

SPK value SPK Ref Val %REC LowLimit

Units: mg/Kg

%RPD

Analyte Petroleum Hydrocarbons, TR

98 20 0 98.3 87.8 HighLimit 115 **RPDLimit**

Qual

Qual

Sample ID LCSD-1846

Result

SampType: LCSD

PQL

TestCode: EPA Method 418.1: TPH

Client ID: LCSS02

Batch ID: 1846

RunNo: 2658

Units: mg/Kg

115

Prep Date: 5/8/2012 Analysis Date: 5/9/2012

SeqNo: 73880

HighLimit

%RPD

RPDLimit

Analyte Petroleum Hydrocarbons, TR Result 97 SPK value SPK Ref Val %REC 100.0

100.0

SPK value SPK Ref Val

0

97.0

87.8

1.35

8.04

Qualifiers:

R

Value exceeds Maximum Contaminant Level. */X

Value above quantitation range E

Analyte detected below quantitation limits J RPD outside accepted recovery limits

В Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Reporting Detection Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Souder, Miller and Associates

Project:

Petromax Pit Closures

Sample ID MB-1847	SampT	ype: ME	BLK	TestCode: EPA Method 8015B: Diesel Range Organics										
Client ID: PBS	Batch	ID: 18	47	F	RunNo: 2657									
Prep Date: 5/8/2012	Analysis D	ate: 5/	9/2012	Units: mg/K	Inits: mg/Kg									
Analyte	Result	SPK value	SPK Ref Val	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Diesel Range Organics (DRO)	ND	10												
Surr: DNOP	9.8		10.00		97.5	77.4	131							
Sample ID LCS-1847	SampType: LCS TestCode: EPA Method 8015B: Diesel Range Organics													
Client ID: LCSS	Batch ID: 1847 RunNo: 2657													

Client ID: LCSS	Batch	ID: 18	47	R	RunNo: 2	657				
Prep Date: 5/8/2012	Analysis Da	ate: 5/	Units: mg/K	(g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	62.7	139			
Surr: DNOP	4.7		5.000		93.6	77.4	131			

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD 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

RL Reporting Detection Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Souder, Miller and Associates

Project:

Petromax Pit Closures

Sample ID MB-1853

SampType: MBLK

TestCode: EPA Method 8015B: Gasoline Range

Client ID:

PBS

Batch ID: 1853

5.0

RunNo: 2682

Prep Date:

5/8/2012

Analysis Date: 5/9/2012

SeqNo: 74500

Units: mg/Kg

Analyte

Result **PQL** SPK value SPK Ref Val %REC

0

HighLimit

Qual

Gasoline Range Organics (GRO) Surr: BFB

ND 1,000

1,000

103 69.7

LowLimit

121

RPDLimit

Sample ID LCS-1853

SampType: LCS

TestCode: EPA Method 8015B: Gasoline Range

%RPD

%RPD

Client ID: LCSS

Batch ID: 1853

RunNo: 2682

Prep Date: 5/8/2012

Analysis Date: 5/9/2012

SeqNo: 74502

%REC

Units: mg/Kg

Analyte Gasoline Range Organics (GRO) Result **PQL** 29 5.0

SPK value SPK Ref Val 25.00

118 98.5 HighLimit 133 **RPDLimit**

Qual

Surr: BFB

1,100

1,000

111

69.7

LowLimit

121

Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J RPD outside accepted recovery limits

Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Reporting Detection Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1205344

16-May-12

Client:

Souder, Miller and Associates

Project:

Petromax Pit Closures

Sample ID MB-1853	SampT	ype: ME	BLK	Test						
Client ID: PBS	Batch	Batch ID: 1853			RunNo: 2	682				
Prep Date: 5/8/2012	Analysis D	Date: 5/	9/2012	S	SeqNo: 7	4553	Units: mg/K	g		
Analyte	Result	PQL	SPK value SPK Ref Val %REC LowLimit		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	0.94		1.000		94.1	80	120			

SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles										
Batch	ID: 18	53	R	RunNo: 2									
Analysis D	ate: 5/	9/2012	S	SeqNo: 7	4554	Units: mg/Kg							
Result	PQL	SPK value	e SPK Ref Val %REC LowLimit HighLimit %RP				%RPD	RPDLimit	Qual				
0.95	0.050	1.000	0	94.8	83.3	107							
0.96	0.050	1.000	0	96.2	74.3	115							
0.95	0.050	1.000	0	95.1	80.9	30.9 122							
2.9	0.10	3.000	3.000 0 96.0 85.2 123										
0.97		1.000		97.5	80	120							
	Batch Analysis D Result 0.95 0.96 0.95 2.9	Batch ID: 188 Analysis Date: 5/ Result PQL 0.95 0.050 0.96 0.050 0.95 0.050 2.9 0.10	Result PQL SPK value 0.95 0.050 1.000 0.96 0.050 1.000 0.95 0.050 1.000 2.9 0.10 3.000	Batch ID: 1853 F Analysis Date: 5/9/2012 SPK value SPK Ref Val Result PQL SPK value SPK Ref Val 0.95 0.050 1.000 0 0.96 0.050 1.000 0 0.95 0.050 1.000 0 2.9 0.10 3.000 0	Batch ID: 1853 RunNo: 2 Analysis Date: 5/9/2012 SeqNo: 7 Result PQL SPK value SPK Ref Val %REC 0.95 0.050 1.000 0 94.8 0.96 0.050 1.000 0 96.2 0.95 0.050 1.000 0 95.1 2.9 0.10 3.000 0 96.0	Batch ID: 1853 RunNo: 2682 Analysis Date: 5/9/2012 SeqNo: 74554 Result PQL SPK value SPK Ref Val %REC LowLimit 0.95 0.050 1.000 0 94.8 83.3 0.96 0.050 1.000 0 96.2 74.3 0.95 0.050 1.000 0 95.1 80.9 2.9 0.10 3.000 0 96.0 85.2	Batch ID: 1853 RunNo: 2682 Analysis Date: 5/9/2012 SeqNo: 74554 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 0.95 0.050 1.000 0 94.8 83.3 107 0.96 0.050 1.000 0 96.2 74.3 115 0.95 0.050 1.000 0 95.1 80.9 122 2.9 0.10 3.000 0 96.0 85.2 123	Batch ID: 1853 RunNo: 2682 Analysis Date: 5/9/2012 SeqNo: 74554 Units: mg/Ky Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 0.95 0.050 1.000 0 94.8 83.3 107 0.96 0.050 1.000 0 96.2 74.3 115 0.95 0.050 1.000 0 95.1 80.9 122 2.9 0.10 3.000 0 96.0 85.2 123	Batch ID: 1853 RunNo: 2682 Analysis Date: 5/9/2012 SeqNo: 74554 Units: mg/kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 0.95 0.050 1.000 0 94.8 83.3 107 0.96 0.050 1.000 0 96.2 74.3 115 0.95 0.050 1.000 0 95.1 80.9 122 2.9 0.10 3.000 0 96.0 85.2 123				

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD 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

RL Reporting Detection Limit

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riau Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-410;

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-FARM Received by/date: Work C Logged By: Michelle Garcia 5/8/2012 10:00:00 AM	Order Number: 1205344
	-
Logged By: Michelle Garcia 5/8/2012 10:00:00 AM	
	Michallo Garria
Completed By: Michelle Garcia 5/8/2012 12:08:52 PM	Michaels Course
Reviewed By: 05 08 12	
Chain of Custody	
1. Were seals intact?	s No Not Present
2. Is Chain of Custody complete?	s 🗹 No 🗌 Not Present 🗆
3. How was the sample delivered?	urier
<u>Log In</u>	
4. Coolers are present? (see 19. for cooler specific information)	s ☑ No □ NA □
5. Was an attempt made to cool the samples?	NA 🗆
6. Were all samples received at a temperature of >0° C to 6.0°C	NA NA
7. Sample(s) in proper container(s)?	s 🗹 No 🗌
8. Sufficient sample volume for indicated test(s)?	s 🗹 No 🗌
Are samples (except VOA and ONG) properly preserved? Yes	s 🗹 No 🗌
10. Was preservative added to bottles?	s □ No ☑ NA □
11. VOA vials have zero headspace?	s No No VOA Vials 🗹
12. Were any sample containers received broken?	2명 (2014년) [22:25명의 이용의 2명 (25:10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	# of preserved bottles checked for pH:
14. Are matrices correctly identified on Chain of Custody?	
	Adjusted?
16. Were all holding times able to be met? (If no, notify customer for authorization.)	Checked by:
Special Handling (if applicable)	Ondida Sy.
	s 🗆 No 🗆 NA 🗹
Person Notified: Date: By Whom: Via: eN Regarding: Client Instructions:	Mail Phone Fax In Person
18. Additional remarks:	
19. Cooler Information	
19. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal I	Date Signed By

Client: Mailing	Petro o So Address: 2101 Farm t: Fax#: c	mox uder Sai	ray @ soula milla.co	Turn-Around Time: Standard Rush Project Name: Petromax Pit Closures Project #: 5121554 Project Manager:															
Accredit	Accreditation NELAP Other Date Time Matrix Sample Request ID				braham preservative Type	Sotelo EN NO HEAL NO 1205344	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PC	8260B (VOA)	8270 (Semi-VOA)	8015 (8021 Com	DRO/CRO	
5/1/12	D900	Soil	Kirthand 18-1 S Pt. Composite	402	Cool	-601											√		
5/1/12	09:48	Relinquish	Johan Sotelo	Received by:	L 5	Date Time ///12 /0:45 Date Time 5/1/12 /545		narks											