

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Matador Resources	Contact Casey Snow
Address 500 N Main St Suite 1 Roswell NM 88201	Telephone No. (972) 371-5439
Facility Name Copper 3-6	Facility Type Producing Oil Well

Surface Owner Mr. Jimmie Cooper	Mineral Owner Mr. Jimmie Cooper	API No. 30-025-35204
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LOCATION OF RELEASE

Unit Letter B	Section 3	Township 20S	Range 37E	Feet from the 458	North/South Line North	Feet from the 1704	East/West Line EAST	County Lea
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Latitude N 32 36' 30" Longitude W 103 14' 10"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 6-7 bbls	Volume Recovered 5 barrels
Source of Release Heater Treater	Date and Hour of Occurrence 11-19-2007	Date and Hour of Discovery 11-19-2007 10:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Rickie Anguiano	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

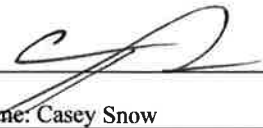
INFORMATION ONLY

Describe Cause of Problem and Remedial Action Taken.* Connection broke to water dump valve. Gas lost on treater, circulating pump pumped oil out of oil tank to treater putting excess fluid in water tank.
Cause - Heater treater developed a hole in the fire tube. Oil leaked through the fire tube, through the arcia tw, backed up in the exhaifisf stack & overflowed out the top of the exhaust stack.
Remedial action - Emptied heater, replaced fire tube, replaced areiator with blind flange. Left well off producforountil rcpairsjcompleted.

Describe Area Affected and Cleanup Action Taken.*

Area affected - Spill was contained in berm around heater, except for wind-blown oil that carried outside berm and contaminated a spot on the location pad approximately 80 ft long by 3 to 4 ft wide.
Cleanup action taken - Picked up as much fluid as possible from inside berm (5 bbls oil), and emptied heater for repairs Unable to pick up any fluid from outside berm since there were no puddles. Will remove oily caliche and replace with clean material

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: 		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Casey Snow		Approved by Environmental Specialist:	
Title: Manager Regulatory, Environmental, & Safety		Approval Date:	Expiration Date:
E-mail Address: csnow@matadorresources.com		Conditions of Approval:	
Date: August 2, 2017, 2017 Phone: (972) 371-5439		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



Site Map
MATADOR PRODUCTION COMPANY- COPPER 3 #006
Monument, New Mexico

Figure 1

Date Saved:
8/17/2017

By:	Date:	Revisions	Descr:
By:	Date:		Descr:

Copyright 2015 Souder, Miller & Associates - All Rights Reserved

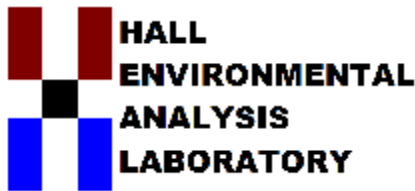
Drawn	Lucas Middleton
Checked	
Approved	



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

Table 1: Summary of Laboratory Analyses

Analytical Report- 1708483	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1708483-001	L1	8/3/2017	Surface	<0.097	<0.024	<4.8	<9.7	83
1708483-002	L1	8/3/2017	2'	<0.092	<0.023	<4.6	150	38
1708483-003	L2	8/3/2017	Surface	<0.092	<0.023	<4.6	13	<30
1708483-004	L2	8/3/2017	2'	<0.097	<0.024	<4.9	<9.4	<30
1708483-005	L3	8/3/2017	Surface	<0.092	<0.023	<4.6	280	<30



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

August 17, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Cooper 3

OrderNo.: 1708483

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 8/8/2017 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1708483

Date Reported: 8/17/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: L1-Surface

Project: Cooper 3

Collection Date: 8/3/2017 1:00:00 PM

Lab ID: 1708483-001

Matrix: SOIL

Received Date: 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	83	30		mg/Kg	20	8/10/2017 5:32:06 PM	33299
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/11/2017 8:43:33 AM	33273
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/11/2017 8:43:33 AM	33273
Surr: DNOP	89.0	70-130		%Rec	1	8/11/2017 8:43:33 AM	33273
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/9/2017 9:28:53 PM	33248
Surr: BFB	85.6	54-150		%Rec	1	8/9/2017 9:28:53 PM	33248
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	8/9/2017 9:28:53 PM	33248
Benzene	ND	0.024		mg/Kg	1	8/9/2017 9:28:53 PM	33248
Toluene	ND	0.048		mg/Kg	1	8/9/2017 9:28:53 PM	33248
Ethylbenzene	ND	0.048		mg/Kg	1	8/9/2017 9:28:53 PM	33248
Xylenes, Total	ND	0.097		mg/Kg	1	8/9/2017 9:28:53 PM	33248
Surr: 4-Bromofluorobenzene	113	66.6-132		%Rec	1	8/9/2017 9:28:53 PM	33248

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1708483

Date Reported: 8/17/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: L1-2

Project: Cooper 3

Collection Date: 8/3/2017 1:00:00 PM

Lab ID: 1708483-002

Matrix: SOIL

Received Date: 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	38	30		mg/Kg	20	8/10/2017 5:44:30 PM	33299
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	150	9.7		mg/Kg	1	8/12/2017 4:18:48 AM	33273
Motor Oil Range Organics (MRO)	350	49		mg/Kg	1	8/12/2017 4:18:48 AM	33273
Surr: DNOP	116	70-130		%Rec	1	8/12/2017 4:18:48 AM	33273
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2017 9:52:46 PM	33248
Surr: BFB	88.2	54-150		%Rec	1	8/9/2017 9:52:46 PM	33248
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	8/9/2017 9:52:46 PM	33248
Benzene	ND	0.023		mg/Kg	1	8/9/2017 9:52:46 PM	33248
Toluene	ND	0.046		mg/Kg	1	8/9/2017 9:52:46 PM	33248
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2017 9:52:46 PM	33248
Xylenes, Total	ND	0.092		mg/Kg	1	8/9/2017 9:52:46 PM	33248
Surr: 4-Bromofluorobenzene	115	66.6-132		%Rec	1	8/9/2017 9:52:46 PM	33248

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1708483

Date Reported: 8/17/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: L2-Surface

Project: Cooper 3

Collection Date: 8/3/2017 1:00:00 PM

Lab ID: 1708483-003

Matrix: SOIL

Received Date: 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	8/10/2017 5:56:54 PM	33299
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	13	9.4		mg/Kg	1	8/11/2017 9:32:47 AM	33273
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/11/2017 9:32:47 AM	33273
Surr: DNOP	96.7	70-130		%Rec	1	8/11/2017 9:32:47 AM	33273
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2017 10:16:38 PM	33248
Surr: BFB	97.1	54-150		%Rec	1	8/9/2017 10:16:38 PM	33248
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	8/9/2017 10:16:38 PM	33248
Benzene	ND	0.023		mg/Kg	1	8/9/2017 10:16:38 PM	33248
Toluene	ND	0.046		mg/Kg	1	8/9/2017 10:16:38 PM	33248
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2017 10:16:38 PM	33248
Xylenes, Total	ND	0.092		mg/Kg	1	8/9/2017 10:16:38 PM	33248
Surr: 4-Bromofluorobenzene	130	66.6-132		%Rec	1	8/9/2017 10:16:38 PM	33248

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1708483

Date Reported: 8/17/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: L2-2

Project: Cooper 3

Collection Date: 8/3/2017 1:00:00 PM

Lab ID: 1708483-004

Matrix: SOIL

Received Date: 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	8/11/2017 11:56:35 AM	33326
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/11/2017 9:57:37 AM	33273
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/11/2017 9:57:37 AM	33273
Surr: DNOP	94.1	70-130		%Rec	1	8/11/2017 9:57:37 AM	33273
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/9/2017 10:40:29 PM	33248
Surr: BFB	86.4	54-150		%Rec	1	8/9/2017 10:40:29 PM	33248
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	8/9/2017 10:40:29 PM	33248
Benzene	ND	0.024		mg/Kg	1	8/9/2017 10:40:29 PM	33248
Toluene	ND	0.049		mg/Kg	1	8/9/2017 10:40:29 PM	33248
Ethylbenzene	ND	0.049		mg/Kg	1	8/9/2017 10:40:29 PM	33248
Xylenes, Total	ND	0.097		mg/Kg	1	8/9/2017 10:40:29 PM	33248
Surr: 4-Bromofluorobenzene	111	66.6-132		%Rec	1	8/9/2017 10:40:29 PM	33248

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1708483

Date Reported: 8/17/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-Surface

Project: Cooper 3

Collection Date: 8/3/2017 1:00:00 PM

Lab ID: 1708483-005

Matrix: SOIL

Received Date: 8/8/2017 9:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	8/11/2017 12:33:49 PM	33326
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	280	95		mg/Kg	10	8/11/2017 10:22:20 AM	33273
Motor Oil Range Organics (MRO)	650	480		mg/Kg	10	8/11/2017 10:22:20 AM	33273
Surr: DNOP	0	70-130	S	%Rec	10	8/11/2017 10:22:20 AM	33273
EPA METHOD 8015D: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2017 11:04:23 PM	33248
Surr: BFB	85.4	54-150		%Rec	1	8/9/2017 11:04:23 PM	33248
EPA METHOD 8021B: VOLATILES							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.092		mg/Kg	1	8/9/2017 11:04:23 PM	33248
Benzene	ND	0.023		mg/Kg	1	8/9/2017 11:04:23 PM	33248
Toluene	ND	0.046		mg/Kg	1	8/9/2017 11:04:23 PM	33248
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2017 11:04:23 PM	33248
Xylenes, Total	ND	0.092		mg/Kg	1	8/9/2017 11:04:23 PM	33248
Surr: 4-Bromofluorobenzene	114	66.6-132		%Rec	1	8/9/2017 11:04:23 PM	33248

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1708483

17-Aug-17

Client: Souder, Miller & Associates

Project: Cooper 3

Sample ID	MB-33299		SampType: MBLK		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 33299		RunNo: 44865					
Prep Date:	8/10/2017		Analysis Date: 8/10/2017		SeqNo: 1419788		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-33299			SampType:	LCS		TestCode:	EPA Method 300.0: Anions			
Client ID:	LCSS			Batch ID:	33299		RunNo:	44865			
Prep Date:	8/10/2017			Analysis Date:	8/10/2017		SeqNo:	1419789		Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	14	1.5	15.00	0	93.8	90	110				

Sample ID	MB-33326		SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	33326		RunNo:	44890				
Prep Date:	8/11/2017		Analysis Date:	8/11/2017		SeqNo:	1422229		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-33326		SampType: LCS		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 33326		RunNo: 44890					
Prep Date:	8/11/2017		Analysis Date: 8/11/2017		SeqNo: 1422230		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.7	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
PQL Practical Quantitative Limit
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1708483

17-Aug-17

Client: Souder, Miller & Associates

Project: Cooper 3

Sample ID	LCS-33273		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 33273		RunNo: 44860					
Prep Date:	8/9/2017		Analysis Date: 8/10/2017		SeqNo: 1418517		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	73.2	114			
Surr: DNOP	4.5		5.000		89.5	70	130			

Sample ID	MB-33273		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	33273		RunNo:	44860				
Prep Date:	8/9/2017		Analysis Date:	8/10/2017		SeqNo:	1418518		Units: mg/Kg		
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	9.5		10.00		95.0	70	130				

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1708483

17-Aug-17

Client: Souder, Miller & Associates

Project: Cooper 3

Sample ID	LCS-33248		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 33248		RunNo: 44855					
Prep Date:	8/8/2017		Analysis Date: 8/9/2017		SeqNo: 1418071		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.4	76.4	125			
Surr: BFB	970		1000		96.5	54	150			

Sample ID	MB-33248		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 33248		RunNo: 44855					
Prep Date:	8/8/2017		Analysis Date: 8/9/2017		SeqNo: 1418072		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	880		1000		87.8	54	150			

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 Quantitative Limit
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1708483

17-Aug-17

Client: Souder, Miller & Associates

Project: Cooper 3

Sample ID	LCS-33248		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 33248		RunNo: 44855					
Prep Date:	8/8/2017		Analysis Date: 8/9/2017		SeqNo: 1418218		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.92	0.10	1.000	0	92.3	66.5	120			
Benzene	0.98	0.025	1.000	0	98.2	80	120			
Toluene	0.98	0.050	1.000	0	98.2	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		118	66.6	132			

Sample ID	MB-33248		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 33248		RunNo: 44855					
Prep Date:	8/8/2017		Analysis Date: 8/9/2017		SeqNo: 1418219		Units: mg/Kg			
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	1.2		1.000		115	66.6	132			

Qualifiers:

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



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 Number: 1708483

RcptNo: 1

Received By: Erin Melendrez 8/8/2017 9:40:00 AM

Completed By: Ashley Gallegos 8/8/2017 1:22:01 PM

Reviewed By:  8/8/17

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp. °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Yes			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: Souder, Miller and Associates
Mailing Address:
201 S. Halagueno
Phone #: 575-689-5351
email or Fax#: lucas.middleton@soudermiller.com
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Project Name:

Cooper 3

Project #:

Project Manager:

Austin Weyant

Sampler: LCM

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.0

HEAL No.

1708483

Container Type and #

Preservative Type

402

Sample Request ID

Matrix

Date

Time

8/17 1:00

L1 - Surface

L2 - 2

L2 - 2

L2 - 2

L3 - Surface

Remarks:

Received by:

Date:

8/17 1:30

Received by:

Date:

8/17 0940

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.

Courier