

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	Enterprise Field Services, LLC	Contact	Aaron Dailey
Address	614 Reilly Avenue, Farmington NM 87401	Telephone No.	(505)599-2286
Facility Name	Howell M #1 A meter run	Facility Type	Natural gas meter run location

Surface Owner	Private	Mineral Owner	Private	API No.	30-045-22435
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	31	30N	8W					San Juan

Latitude _N36.7624_ Longitude _W107.7183_ (Decimal Degrees)___

NATURE OF RELEASE

Type of Release	Natural gas vapor and liquid	Volume of Release	Estimated 422 MCF and 2.5 barrels condensate/water mix	Volume Recovered	TBD
Source of Release	Natural gas well location meter run	Date and Hour of Occurrence	12.11.2012 @ 04:00 hours (estimated)	Date and Hour of Discovery	12.12.2012 @ 16:30 hours
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	RCVD MAY 9 '13		
By Whom?		Date and Hour	OIL CONS. DIV.		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	DIST. 3		

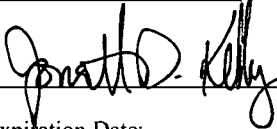
If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Enterprise measurement department was notified by foreign operator of gas leak and stained soil at the Howell M#1 A meter tube location. Measurement dept. notified area Tech to respond. Upon arrival, Enterprise Tech shut in meter tube and applied lock out tag out (LOTO).

Describe Area Affected and Cleanup Action Taken.* Enterprise dirt work and environmental contractors worked to remove approximately 5 yards of contaminated soil immediately after the discovery of the release. Additional work was conducted to achieve NM OCD soil closure standards in March 2013. Please refer to the attached third party corrective action report for details and analytic data for this location.

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:	OIL CONSERVATION DIVISION		
Printed Name: Matt Marra	Approved by Environmental Specialist: 		
Title: Senior Director, Environmental	Approval Date: 9/24/2013	Expiration Date:	
E-mail Address: memarra@eprod.com	Conditions of Approval:	Attached <input type="checkbox"/>	
Date: 5-2-2013 Phone: (713)381-6684			

* Attach Additional Sheets If Necessary

n57K 1326741165

RELEASE REPORT

Howell M #1A

**SAN JUAN COUNTY,
NEW MEXICO**

**RCVD MAY 9 '13
OIL CONS. DIV.
DIST. 3**

April 10, 2013

SMA #5122104

Submitted To:

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

Submitted By:

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



Depth to Groundwater	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 50 BGS = 20		USGS Topo Maps; Google Earth	Release is approximately 450 feet in elevation above Salvador Canyon Wash
50' to 99' = 10			
>100' = 0	0		
Ranking Criteria for Horizontal Distance to Nearest Surface Water	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
< 200' = 20		USGS Topo Maps; Google Earth	Release is located approximately 1200 feet east of Salvador Canyon Wash
200'-1000' = 10	0		
>1000'	0		
Ranking Criteria for Horizontal Distance to a Water Well or Water Source	NMOCD Numeric Rank for this Site	Source for Ranking	Notes
<1000' from a water source?	0	NM State Engineer Water Well Database	No wells in Sections 1, 6 or 31
<200' for a private domestic water source? YES OR NO to BOTH. YES = 20, NO = 0	0		
Total Site Ranking	0		
Soil Remediation Standards	0 to 9	10 to 19	>19
Benzene	10 PPM	10 PPM	10 PPM
BTEX	50 PPM	50 PPM	50 PPM
TPH	5000 PPM	1000 PPM	100 PPM

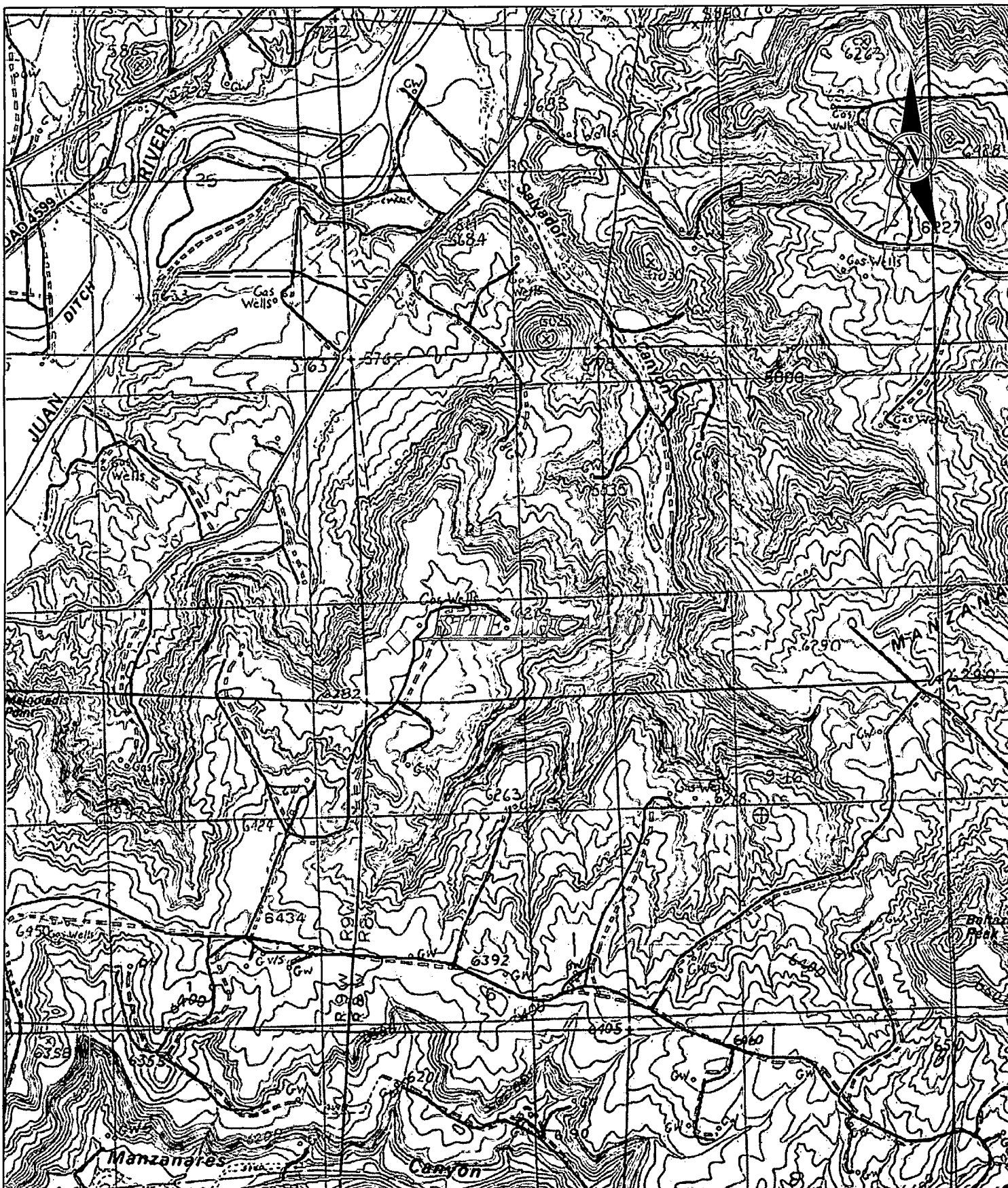


RELEASE INFORMATION				
Name	Howell M #1A			
Release Location	Latitude = 36.76245	Longitude = -107.71833		
	SW 1/4 SW 1/4 Section 31	Township 30N	Range 8 W	
	San Juan County			
Date Reported	December 13, 2012			
Reported by	Aaron Dailey			
Land Owner	Private			
Regulatory Authority	NMOCD			
Reported to	NMOCD			
Enterprise Representative	Dwayne Dixon			
Source of Release	Rupture due to frozen meter tube.			
Release Contents	Condensate/Natural Gas Liquids			
Release Volume	Approximately 100 gallons			
Nearest Waterway	Salvador Canyon Wash approximately 1200' to the west			
SMA Response Date(s)	12/13/2012, 12/14/2012, 3/21/13, and 3/22/13			
Sub-contractor(s)	Southwest Field Services; Industrial Ecosystems Incorporated; Industrial Mechanics Incorporated			
Soil Disposal Facility	Industrial Mechanics Inc.; JFJ Landfarm			
Total Cubic Yards Removed	66			
RELEASE RESPONSE SUMMARY				
<p>Response Activities: On December 13, 2012 Souder, Miller & Associates (SMA) responded to a release at the Howell M #1A well site. Figure 1 illustrates the location of the site. The release was caused from a frozen meter tube that ruptured. Southwest Field Services was contracted to excavate the impacted soil with hand tools. The surface stained area measured approximately 330 square feet. Surface stained soils were excavated to a depth of approximately four inches below ground surface (bgs). On December 14, 2012 excavation of the hydrocarbon contaminated soil continued and soil samples were collected at random locations from approximately 4 inches bgs and field screened using a calibrated photo ionization detection (PID) meter. Once the majority of the stained surface soil had been excavated, three composite soil samples were collected within the excavated area and analyzed as described below. Figure 2 illustrates the extent of the release area and soil sample locations. Due to winter weather conditions and site accessibility, the excavated soil was stockpiled on top of and covered with plastic liner for later disposal at a properly permitted facility.</p> <p>From March 21, 2103 to March 22, 2103, Industrial Mechanics Incorporated (IMI) was contacted to excavate the impacted soil using a backhoe. Six test holes were excavated in the release area to determine the horizontal and vertical extent of the hydrocarbon contaminated soil. In addition, SMA guided the excavation activities by field screening soil samples with a PID. On March 22, 2013, at approximately 10:00 a.m., Mr. Aaron Daily of Enterprise arrived on site to observe the excavation activities. The excavation activities were ceased pending rush soil analytic results from a certified laboratory and the excavation was secured with temporary fencing. Approximately 66 cubic yards of hydrocarbon contaminated soil were excavated and transported by IEI for proper disposal. On Monday, April 1, 2013, IMI backfilled the excavation with clean imported fill and reinstalled the meterhouse. Bills of Lading are included as an attachment.</p>				
<p>Laboratory analysis: All soil samples were analyzed per United States Environmental Protection Agency (USEPA) Methods 8021 Benzene, Toluene, Ethyl-Benzene, and Xylenes (BTEX) and 8015 Gasoline Range Organics/Diesel Range Organics. Laboratory results indicated that all soil samples collected on December 14, 2012 were above regulatory standards for contaminants of concern. Laboratory analysis for soil samples collected on March 22, 2013 indicated that all soil samples collected were below regulatory standards for contaminants of concern. Laboratory sample locations and analytical results are illustrated in Figures 2 and Figure 3 and are laboratory results are presented in the attached table. Laboratory analytical reports are included as an attachment.</p>				
<p>Recommendations: SMA recommends that no further action is necessary at this site.</p>				



FIELD SCREENING RESULTS SUMMARY						
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Petro Flag Results	Lab Sample Collected Y/N
12/14/2012	8:55	SC-1	0.33	1539	N/A	Y
12/14/2012	8:57	SC-2	0.33	1452	N/A	Y
12/14/2012	9:01	SC-3	0.33	1698	N/A	Y
3/21/2013	10:12	SC-1/S-1	0.33	1379	N/A	N
3/21/2013	10:13	SC-2/S-2	0.33	1839	N/A	N
3/21/2013	10:14	SC-3/S-3	0.33	1096	N/A	N
3/21/2013	10:34	SC-4/S-4	0.33	623	N/A	N
3/21/2013	11:19	Testhole #1	3.5	1669	N/A	N
3/21/2013	11:39	Testhole #2	3.5	1713	N/A	N
3/21/2013	11:43	Testhole #3	3.5	59	N/A	N
3/21/2013	11:48	Testhole #4	3.5	5.1	N/A	N
3/21/2013	11:58	Testhole #5	2.0	1202	N/A	N
3/21/2013	1:02	Testhole #6	6.0	183.1	N/A	N
3/21/2013	2:00	S-5	3.5	1619	N/A	N
3/21/2013	2:12	S-6 East Wall Comp	1 to 5	1701	N/A	N
3/21/2013	2:43	S-7 East Wall Comp.	1 to 5	37.3	N/A	N
3/21/2013	2:44	S-8 South Wall Comp.	1 to 5	1553	N/A	N
3/22/2013	9:25	S-9 South Wall Comp.	1 to 5	1869	N/A	N
3/22/2013	9:26	S-10 East Wall Comp.	1 to 5	2139	N/A	N
3/22/2013	9:27	S-11 North Wall Comp.	1 to 5	1509	N/A	N
3/22/2013	9:28	S-12 Bottom	5.0	2700	N/A	N
3/22/2013	10:21	SC-1 @5'	5	685	N/A	Y
3/22/2013	10:22	SC-2	1 to 5	305	N/A	Y
3/22/2013	10:20	SC-3	1 to 5	183	N/A	Y
3/22/2013	10:19	SC-4	1 to 5	59.1	N/A	Y
3/22/2013	9:58	SC-5	1 to 5	1202	N/A	Y

LABORATORY ANALYTICAL SUMMARY							
Date	Time	Sample ID	Sample Depth (Feet BGS)	Method 8015 GRO	Method 8015 DRO	Method 8021 Benzene	Method 8021.BTEX
12/14/2012	8:55	SC-1 @4"	0.33	3000	<9.7	19	301
12/14/2012	8:57	SC-2 @ 4"	0.33	2500	17	12	276
12/14/2012	9:01	SC-3 @ 4"	0.33	1000	13	3.7	125.3
3/22/2013	9:50	SC-1 @5'	5	9.1	<10	0.18	1.37
3/22/2013	9:52	SC-2	1 to 5	100	<10	0.13	11.87
3/22/2013	9:54	SC-3	1 to 5	9.2	<9.6	<0.050	0.56
3/22/2013	9:56	SC-4	1 to 5	<5.0	<10	<0.050	<0.10
3/22/2013	9:58	SC-5	1 to 5	6.3	<10	0.087	1.117



SCALE

0' 1000' 2000' 4000'

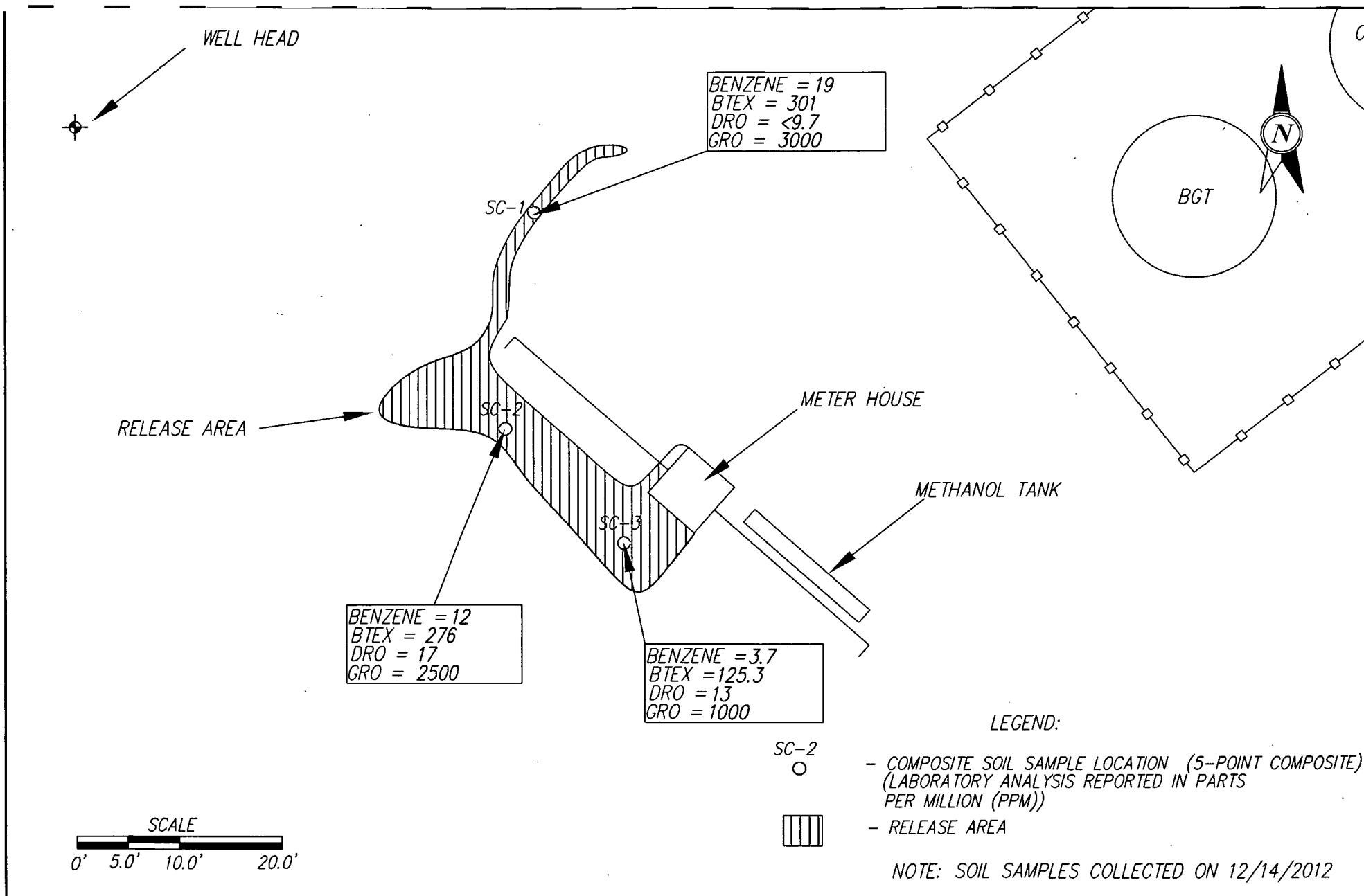


2101 SAN JUAN BLVD
FARMINGTON, NM 87401

FAX (505) 327-1496
PH. (505) 325-5667

APPROVED: RSA	DATE: 12/22/2012
DRAWN BY: TLONG	DATE: 12/22/2012
REVISIONS BY: SJM	DATE: 01/03/13
PROJECT # 5122104	FIGURE: 1

VICINITY MAP
HOWELL M #1A WELL SITE
SW 1/4 SW 1/4 SECTION 33 T30N R8W
SAN JUAN COUNTY, NEW MEXICO



2101 SAN JUAN BLVD
FARMINGTON, NM 87401

FAX (505) 327-1496
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APPROVED: RSA

DRAWN BY: TLONG

REVISIONS BY: SJM

PROJECT # 5122104

DATE: 12/22/12

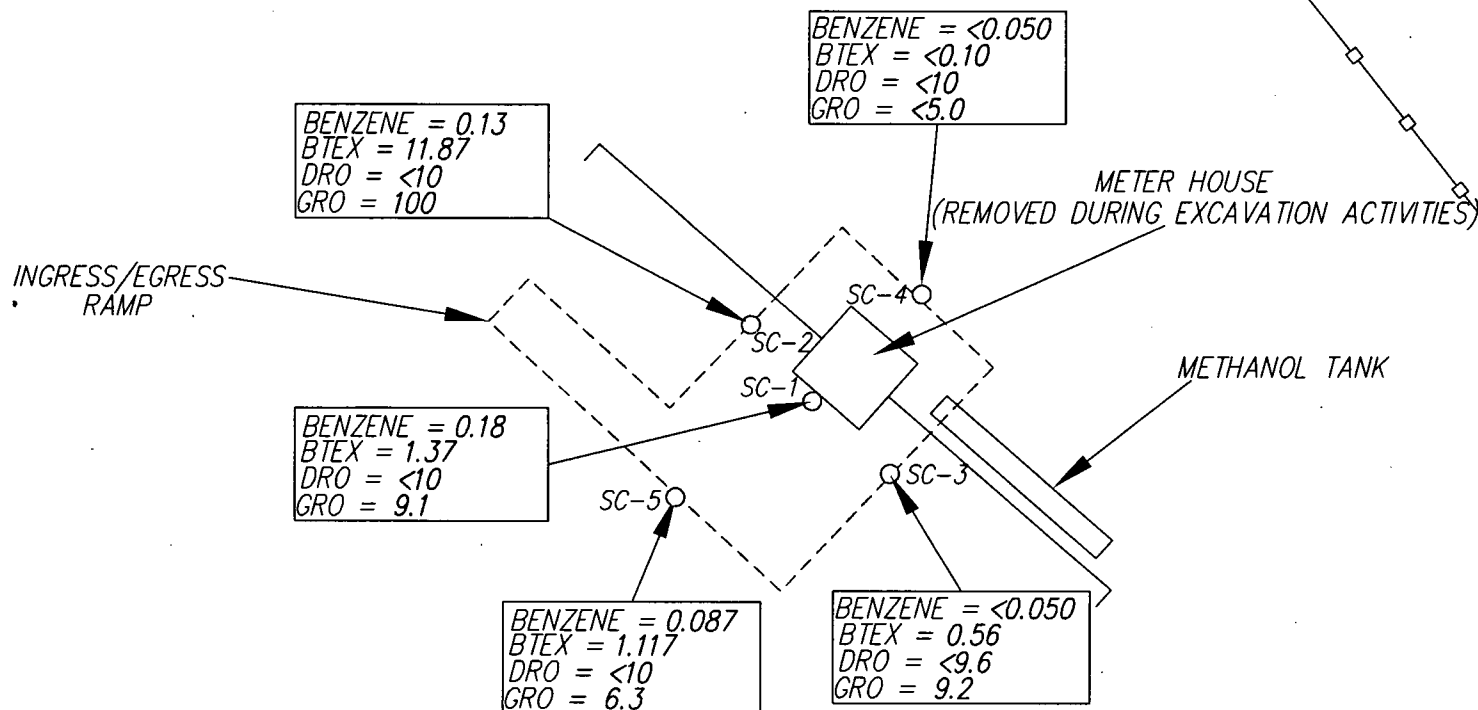
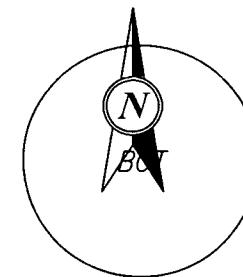
DATE: 12/22/12

DATE: 01/03/13

FIGURE: 2

SITE MAP AND SOIL CONTAMINANT
CONCENTRATION MAP
HOWELL M #1A WELL SITE
SW 1/4 SW 1/4 SECTION 33 T30N R8W
SAN JUAN COUNTY, NEW MEXICO

WELL HEAD



LEGEND:

SC-2
○ - COMPOSITE SOIL SAMPLE LOCATION (5-POINT COMPOSITE)
(LABORATORY ANALYSIS REPORTED IN PARTS
PER MILLION (PPM))

NOTE: SOIL SAMPLES COLLECTED ON 03/22/2013.



2101 SAN JUAN BLVD
FARMINGTON, NM 87401

FAX (505) 327-1496
PH. (505) 325-5687

APPROVED: RSA

DRAWN BY: TLONG

REVISIONS BY:

PROJECT # 5122104

DATE: 03/27/13

DATE: 03/27/13

DATE:

FIGURE: 3

SITE MAP AND SOIL CONTAMINANT
CONCENTRATION MAP
HOWELL M #1A WELL SITE
SW 1/4 SW 1/4 SECTION 33 T30N R8W
SAN JUAN COUNTY, NEW MEXICO

Site Photographs
Enterprise Products Howell M #1A Release Site

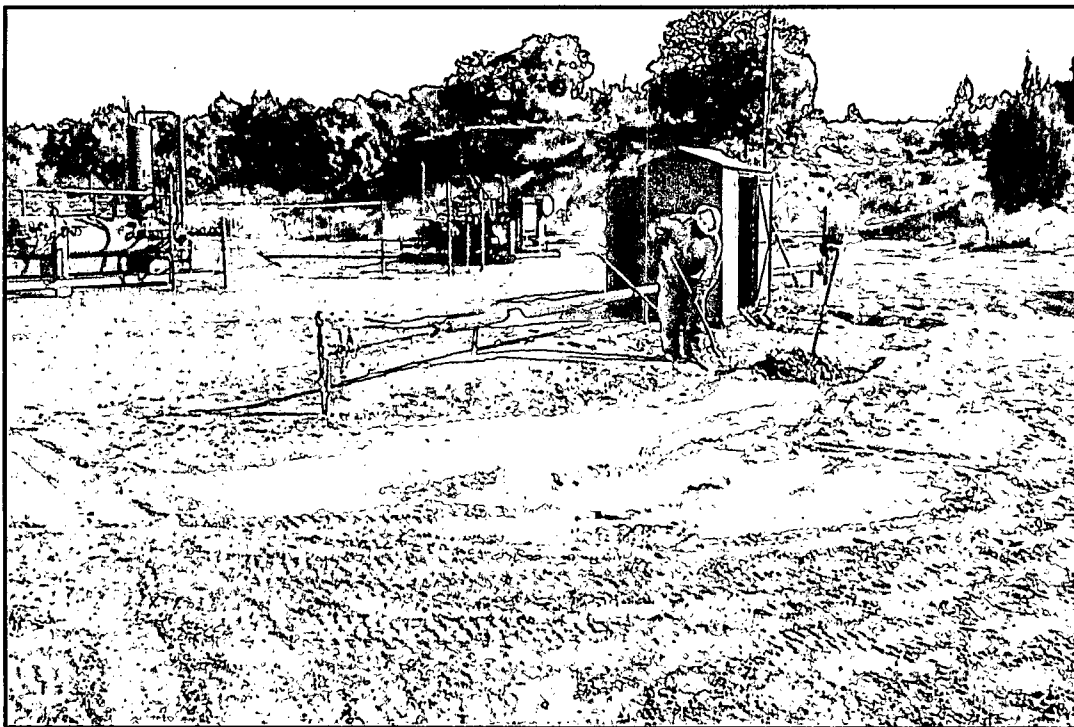


Photo 1: Extent of the Howell M #1A release on 12/14/12, view to the east.



Photo 2: Furthest extent of the Howell M #1A release on 12/14/12, view to the northeast.

Site Photographs
Enterprise Products Howell M #1A Release Site

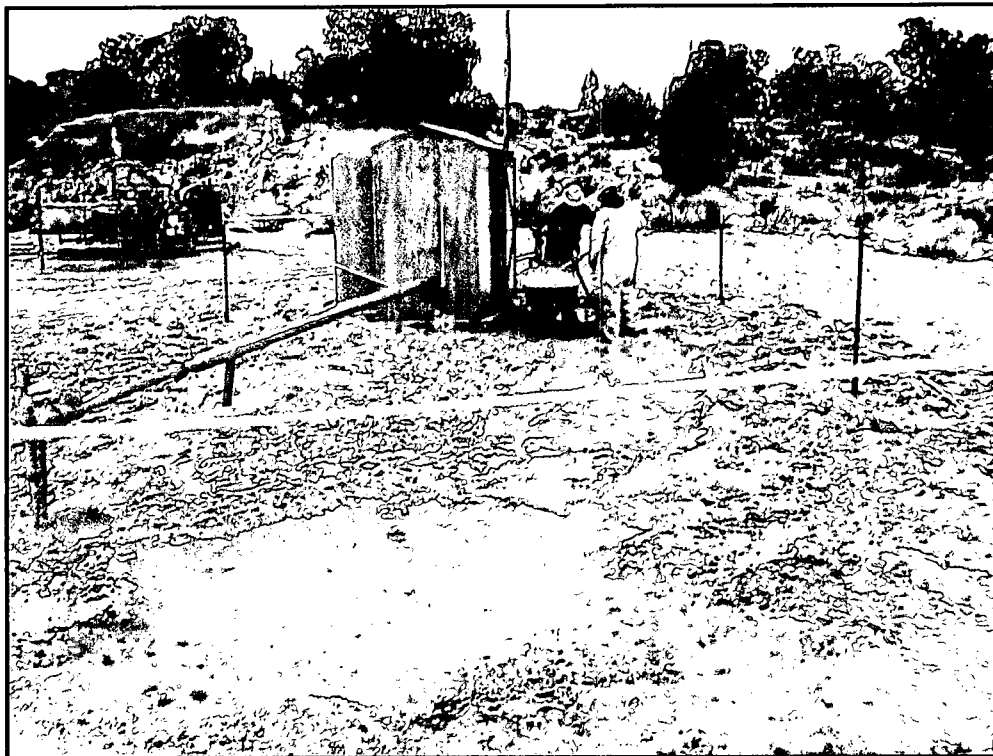


Photo 3: View of the excavation activities on 12/14/13 at the Howell M #1A well site.

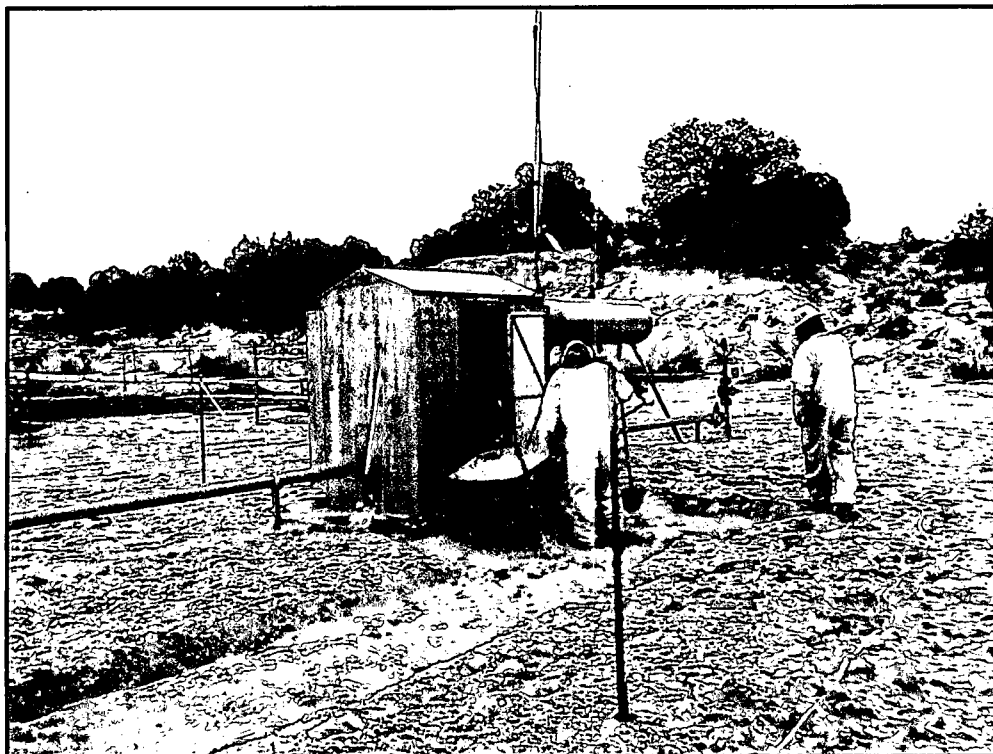


Photo 4: View of depth and extent of the excavation on 12/14/12 at the Howell M #1A well site.

Site Photographs
Enterprise Products Howell M #1A Release Site



Photo 5: View of the excavation on 3/14/13 at the Howell M#1A site. View to the north.

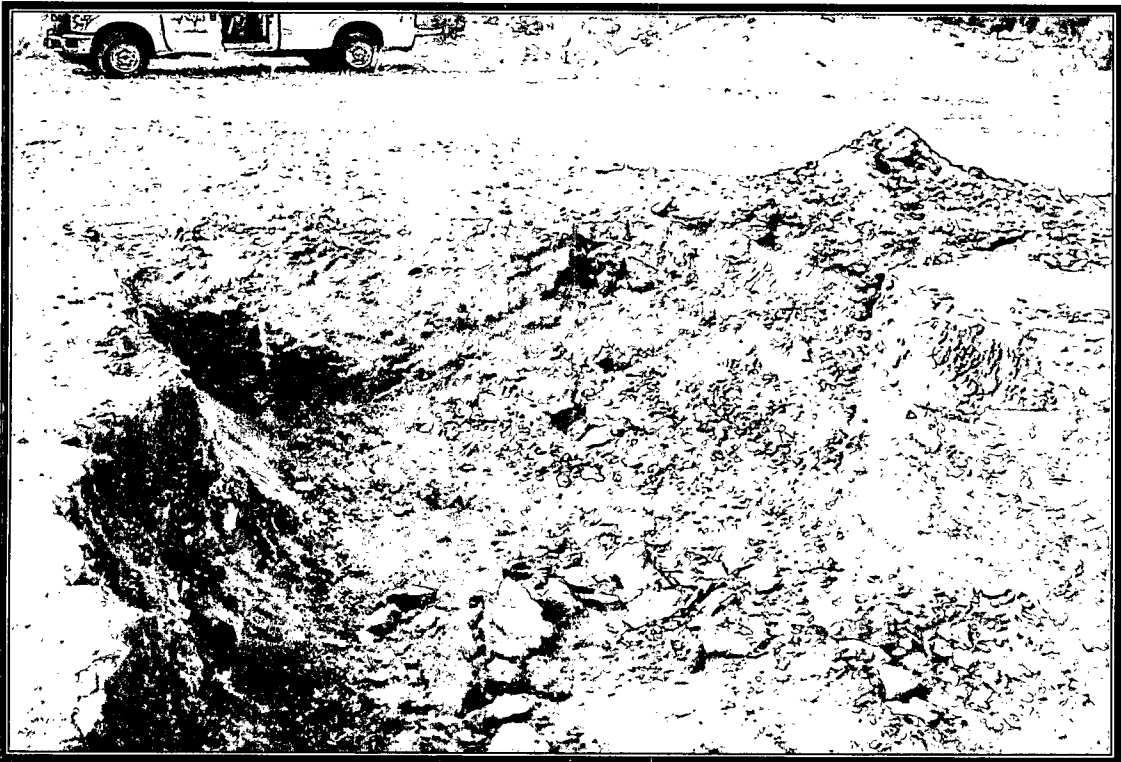


Photo 6: View of the excavation on 3/14/13 at the Howell M#1A site. View to the west.



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

December 27, 2012

Tom Long
Souder, Miller and Associates
2101 San Juan Boulevard
Farmington, NM 87401
TEL: (505) 330-0868
FAX (505) 327-1496

RE: Enterprise Howell M #1A

OrderNo.: 1212695

Dear Tom Long:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/15/2012 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. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

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 1212695

Date Reported: 12/27/2012

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-1 @ 4"

Project: Enterprise Howell M #1A

Collection Date: 12/14/2012 8:55:00 AM

Lab ID: 1212695-001

Matrix: SOIL

Received Date: 12/15/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/20/2012 11:19:57 PM
Surr: DNOP	88.9	72.4-120		%REC	1	12/20/2012 11:19:57 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	3000	97		mg/Kg	20	12/19/2012 11:49:40 PM
Surr: BFB	126	84-116	S	%REC	20	12/19/2012 11:49:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	19	0.97		mg/Kg	20	12/19/2012 11:49:40 PM
Toluene	150	4.9		mg/Kg	100	12/20/2012 4:13:34 PM
Ethylbenzene	12	0.97		mg/Kg	20	12/19/2012 11:49:40 PM
Xylenes, Total	120	1.9		mg/Kg	20	12/19/2012 11:49:40 PM
Surr: 4-Bromofluorobenzene	118	80-120		%REC	20	12/19/2012 11:49:40 PM

Qualifiers:

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

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

Analytical Report

Lab Order 1212695

Date Reported: 12/27/2012

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-2 @ 4"**Project:** Enterprise Howell M #1A**Collection Date:** 12/14/2012 8:57:00 AM**Lab ID:** 1212695-002**Matrix:** SOIL**Received Date:** 12/15/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	17	10		mg/Kg	1	12/20/2012 11:41:23 PM
Surr: DNOP	82.9	72.4-120		%REC	1	12/20/2012 11:41:23 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	2500	240		mg/Kg	50	12/20/2012 5:10:55 PM
Surr: BFB	115	84-116		%REC	50	12/20/2012 5:10:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	12	0.96		mg/Kg	20	12/20/2012 12:18:18 AM
Toluene	110	2.4		mg/Kg	50	12/20/2012 5:10:55 PM
Ethylbenzene	14	0.96		mg/Kg	20	12/20/2012 12:18:18 AM
Xylenes, Total	140	1.9		mg/Kg	20	12/20/2012 12:18:18 AM
Surr: 4-Bromofluorobenzene	119	80-120		%REC	20	12/20/2012 12:18:18 AM

Qualifiers:

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1212695

Date Reported: 12/27/2012

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-3 @ 4"

Project: Enterprise Howell M #1A

Collection Date: 12/14/2012 9:01:00 AM

Lab ID: 1212695-003

Matrix: SOIL

Received Date: 12/15/2012 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	13	9.9		mg/Kg	1	12/21/2012 12:02:43 AM
Surr: DNOP	86.5	72.4-120		%REC	1	12/21/2012 12:02:43 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	1000	94		mg/Kg	20	12/20/2012 6:08:34 PM
Surr: BFB	119	84-116	S	%REC	20	12/20/2012 6:08:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	3.7	0.94		mg/Kg	20	12/20/2012 12:47:00 AM
Toluene	46	0.94		mg/Kg	20	12/20/2012 6:08:34 PM
Ethylbenzene	6.6	0.94		mg/Kg	20	12/20/2012 12:47:00 AM
Xylenes, Total	69	1.9		mg/Kg	20	12/20/2012 12:47:00 AM
Surr: 4-Bromofluorobenzene	112	80-120		%REC	20	12/20/2012 12:47:00 AM

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1212695

27-Dec-12

Client: Souder, Miller and Associates

Project: Enterprise Howell M #1A

Sample ID	MB-5349	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	5349	RunNo:	7616					
Prep Date:	12/19/2012	Analysis Date:	12/20/2012	SeqNo:	222041	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.4		10.00		84.0	72.4	120			

Sample ID	LCS-5349	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	5349	RunNo:	7616					
Prep Date:	12/19/2012	Analysis Date:	12/20/2012	SeqNo:	222042	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.3	47.4	122			
Surr: DNOP	3.8		5.000		75.4	72.4	120			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1212695

27-Dec-12

Client: Souder, Miller and Associates

Project: Enterprise Howell M #1A

Sample ID	MB-5297		SampType: MBLK		TestCode: EPA Method 8015B: Gasoline Range					
Client ID:	PBS		Batch ID: 5297		RunNo: 7599					
Prep Date:	12/17/2012		Analysis Date: 12/19/2012		SeqNo: 221170		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	930		1000		92.6	84	116			

Sample ID	LCS-5297		SampType:	LCS		TestCode:	EPA Method 8015B: Gasoline Range				
Client ID:	LCSS		Batch ID:	5297		RunNo:	7599				
Prep Date:	12/17/2012		Analysis Date:	12/19/2012		SeqNo:	221171		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.1	74	117				
Surr: BFB	960		1000		96.2	84	116				

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1212695

27-Dec-12

Client: Souder, Miller and Associates

Project: Enterprise Howell M #1A

Sample ID	MB-5297		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 5297		RunNo: 7599					
Prep Date:	12/17/2012		Analysis Date: 12/19/2012		SeqNo: 221199		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID	LCS-5297		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 5297		RunNo: 7599					
Prep Date:	12/17/2012		Analysis Date: 12/19/2012		SeqNo: 221200		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	103	76.3	117			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	77	116			
Xylenes, Total	3.1	0.10	3.000	0	103	76.7	117			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Qualifiers:

- | | |
|--|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| 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 greater than 2 | R RPD outside accepted recovery limits |

Sample Log-In Check List

Client Name: SMA-FARM Work Order Number: 1212695

Received by/date: AF 12/15/12

Logged By: Anne Thorne 12/15/2012 12:00:00 PM *Am Th*

Completed By: Anne Thorne 12/17/2012 *Am Th*

Reviewed By: *mg* 12/17/12

Chain of Custody

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

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☒ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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.) Yes ☒ No ☐

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

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

Client: SMA

Mailing Address: 2101 San Juan Blvd.
Farmington, NM

Phone #: 505-325-7535

email or Fax#: tam.lange@sandermler.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

☒ Standard ☐ Rush

Project #: 5122104

Project Manager: Thomas Long

Sampler: Thomas Long

On Ice: ☒ Yes ☐ No

Sample Temperature: / °C

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/14/12	1500	<i>James Long</i>	<i>Master Wacht</i>	12/14/12	1500
Date:	Time:	Relinquished by:	Received by:	Date	Time
7/14/12	1649	<i>John Wacht</i>	<i>Andy</i>	12/15/12	1200

Remarks:	Bill To Enterprise
----------	--------------------



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]



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

March 26, 2013

Tom Long

Souder, Miller and Associates
2101 San Juan Boulevard
Farmington, NM 87401
TEL: (505) 330-0868
FAX:

RE: Enterprise Howell M #1A

OrderNo.: 1303943

Dear Tom Long:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/23/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to 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. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-1 @ 5'

Project: Enterprise Howell M #1A

Collection Date: 3/22/2013 9:50:00 AM

Lab ID: 1303943-001

Matrix: SOIL

Received Date: 3/23/2013 10:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/25/2013 12:53:28 PM
Surr: DNOP	101	72.4-120		%REC	1	3/25/2013 12:53:28 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	9.1	5.0		mg/Kg	1	3/26/2013 1:22:37 AM
Surr: BFB	93.7	84-116		%REC	1	3/26/2013 1:22:37 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	0.18	0.050		mg/Kg	1	3/25/2013 3:44:01 PM
Toluene	0.59	0.050		mg/Kg	1	3/25/2013 3:44:01 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/25/2013 3:44:01 PM
Xylenes, Total	0.60	0.10		mg/Kg	1	3/25/2013 3:44:01 PM
Surr: 1,2-Dichloroethane-d4	90.8	70-130		%REC	1	3/25/2013 3:44:01 PM
Surr: 4-Bromofluorobenzene	90.7	70-130		%REC	1	3/25/2013 3:44:01 PM
Surr: Dibromofluoromethane	92.2	70-130		%REC	1	3/25/2013 3:44:01 PM
Surr: Toluene-d8	103	70-130		%REC	1	3/25/2013 3:44:01 PM

Qualifiers:

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

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

Analytical Report

Lab Order 1303943

Date Reported: 3/26/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller and Associates

Client Sample ID: SC-2

Project: Enterprise Howell M #1A

Collection Date: 3/22/2013 9:52:00 AM

Lab ID: 1303943-002

Matrix: SOIL

Received Date: 3/23/2013 10:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/25/2013 11:48:06 AM
Surr: DNOP	102	72.4-120		%REC	1	3/25/2013 11:48:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	100	50		mg/Kg	10	3/26/2013 1:52:33 AM
Surr: BFB	93.5	84-116		%REC	10	3/26/2013 1:52:33 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	0.13	0.050		mg/Kg	1	3/25/2013 12:55:28 PM
Toluene	3.6	0.050		mg/Kg	1	3/25/2013 12:55:28 PM
Ethylbenzene	0.64	0.050		mg/Kg	1	3/25/2013 12:55:28 PM
Xylenes, Total	7.5	0.10		mg/Kg	1	3/25/2013 12:55:28 PM
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%REC	1	3/25/2013 12:55:28 PM
Surr: 4-Bromofluorobenzene	91.5	70-130		%REC	1	3/25/2013 12:55:28 PM
Surr: Dibromofluoromethane	97.1	70-130		%REC	1	3/25/2013 12:55:28 PM
Surr: Toluene-d8	97.0	70-130		%REC	1	3/25/2013 12:55:28 PM

Qualifiers:

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

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

Analytical Report

Lab Order 1303943

Date Reported: 3/26/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-3**Project:** Enterprise Howell M #1A**Collection Date:** 3/22/2013 9:54:00 AM**Lab ID:** 1303943-003**Matrix:** SOIL**Received Date:** 3/23/2013 10:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/25/2013 12:09:46 PM
Surr: DNOP	101	72.4-120		%REC	1	3/25/2013 12:09:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	9.2	5.0		mg/Kg	1	3/26/2013 2:22:33 AM
Surr: BFB	94.5	84-116		%REC	1	3/26/2013 2:22:33 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	3/25/2013 1:23:46 PM
Toluene	0.19	0.050		mg/Kg	1	3/25/2013 1:23:46 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/25/2013 1:23:46 PM
Xylenes, Total	0.37	0.10		mg/Kg	1	3/25/2013 1:23:46 PM
Surr: 1,2-Dichloroethane-d4	91.0	70-130		%REC	1	3/25/2013 1:23:46 PM
Surr: 4-Bromofluorobenzene	93.7	70-130		%REC	1	3/25/2013 1:23:46 PM
Surr: Dibromofluoromethane	94.2	70-130		%REC	1	3/25/2013 1:23:46 PM
Surr: Toluene-d8	104	70-130		%REC	1	3/25/2013 1:23:46 PM

Qualifiers:

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

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

Analytical Report

Lab Order 1303943

Date Reported: 3/26/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-4**Project:** Enterprise Howell M #1A**Collection Date:** 3/22/2013 9:56:00 AM**Lab ID:** 1303943-004**Matrix:** SOIL**Received Date:** 3/23/2013 10:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/25/2013 12:31:37 PM
Surr: DNOP	103	72.4-120		%REC	1	3/25/2013 12:31:37 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2013 2:52:32 AM
Surr: BFB	94.7	84-116		%REC	1	3/26/2013 2:52:32 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.050		mg/Kg	1	3/25/2013 4:12:26 PM
Toluene	ND	0.050		mg/Kg	1	3/25/2013 4:12:26 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/25/2013 4:12:26 PM
Xylenes, Total	ND	0.10		mg/Kg	1	3/25/2013 4:12:26 PM
Surr: 1,2-Dichloroethane-d4	86.1	70-130		%REC	1	3/25/2013 4:12:26 PM
Surr: 4-Bromofluorobenzene	100	70-130		%REC	1	3/25/2013 4:12:26 PM
Surr: Dibromofluoromethane	94.4	70-130		%REC	1	3/25/2013 4:12:26 PM
Surr: Toluene-d8	102	70-130		%REC	1	3/25/2013 4:12:26 PM

Qualifiers:

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

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

Analytical Report

Lab Order 1303943

Date Reported: 3/26/2013

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller and Associates**Client Sample ID:** SC-5**Project:** Enterprise Howell M #1A**Collection Date:** 3/22/2013 9:58:00 AM**Lab ID:** 1303943-005**Matrix:** SOIL**Received Date:** 3/23/2013 10:26:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: MMD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/25/2013 11:26:16 AM
Surr: DNOP	106	72.4-120		%REC	1	3/25/2013 11:26:16 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	6.3	5.0		mg/Kg	1	3/26/2013 3:24:39 AM
Surr: BFB	93.2	84-116		%REC	1	3/26/2013 3:24:39 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	0.087	0.050		mg/Kg	1	3/25/2013 4:40:25 PM
Toluene	0.46	0.050		mg/Kg	1	3/25/2013 4:40:25 PM
Ethylbenzene	ND	0.050		mg/Kg	1	3/25/2013 4:40:25 PM
Xylenes, Total	0.57	0.10		mg/Kg	1	3/25/2013 4:40:25 PM
Surr: 1,2-Dichloroethane-d4	91.3	70-130		%REC	1	3/25/2013 4:40:25 PM
Surr: 4-Bromofluorobenzene	94.6	70-130		%REC	1	3/25/2013 4:40:25 PM
Surr: Dibromofluoromethane	92.6	70-130		%REC	1	3/25/2013 4:40:25 PM
Surr: Toluene-d8	104	70-130		%REC	1	3/25/2013 4:40:25 PM

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1303943

26-Mar-13

Client: Souder, Miller and Associates

Project: Enterprise Howell M #1A

Sample ID: MB-6637	SampType: MBLK	TestCode: EPA Method 8015B: Diesel Range Organics								
Client ID: PBS	Batch ID: 6637	RunNo: 9387								
Prep Date: 3/25/2013	Analysis Date: 3/25/2013	SeqNo: 268026	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.5		10.00		95.2	72.4	120			

Sample ID: LCS-6637	SampType: LCS	TestCode: EPA Method 8015B: Diesel Range Organics								
Client ID: LCSS	Batch ID: 6637	RunNo: 9387								
Prep Date: 3/25/2013	Analysis Date: 3/25/2013	SeqNo: 268027	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	95.0	47.4	122			
Surr: DNOP	5.1		5.000		103	72.4	120			

Qualifiers:

- | | |
|--|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| 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 greater than 2 | R RPD outside accepted recovery limits |
| RL Reporting Detection Limit | S Spike Recovery outside accepted recovery limits |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1303943

26-Mar-13

Client: Souder, Miller and Associates

Project: Enterprise Howell M #1A

Sample ID: MB-6617	SampType: MBLK	TestCode: EPA Method 8015B: Gasoline Range								
Client ID: PBS	Batch ID: 6617	RunNo: 9401								
Prep Date: 3/22/2013	Analysis Date: 3/25/2013	SeqNo: 268400 Units: %REC								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		93.0	84	116			

Sample ID: 2.5UG GRO LCS	SampType: LCS	TestCode: EPA Method 8015B: Gasoline Range								
Client ID: LCSS	Batch ID: 6617	RunNo: 9401								
Prep Date:	Analysis Date: 3/25/2013	SeqNo: 268401 Units: %REC								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		99.6	84	116			

Sample ID: MB-6617	SampType: MBLK	TestCode: EPA Method 8015B: Gasoline Range								
Client ID: PBS	Batch ID: R9401	RunNo: 9401								
Prep Date: 3/22/2013	Analysis Date: 3/25/2013	SeqNo: 268424 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	930		1000		93.0	84	116			

Sample ID: 2.5UG GRO LCS	SampType: LCS		TestCode: EPA Method 8015B: Gasoline Range							
Client ID: LCSS	Batch ID: R9401		RunNo: 9401							
Prep Date:	Analysis Date: 3/25/2013		SeqNo: 268425		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	62.6	136			
Surr: BFB	1000		1000		99.6	84	116			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1303943

26-Mar-13

Client: Souder, Miller and Associates

Project: Enterprise Howell M #1A

Sample ID: 5ml-rb	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: R9399	RunNo: 9399								
Prep Date:	Analysis Date: 3/25/2013	SeqNo: 268552		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		89.5	70	130			
Surr: 4-Bromofluorobenzene	0.53		0.5000		106	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.1	70	130			
Surr: Toluene-d8	0.48		0.5000		95.0	70	130			

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: R9399	RunNo: 9399								
Prep Date:	Analysis Date: 3/25/2013	SeqNo: 268558		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	105	70	130			
Toluene	1.0	0.050	1.000	0	104	80	120			
Surr: 1,2-Dichloroethane-d4	0.44		0.5000		88.6	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		108	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.3	70	130			
Surr: Toluene-d8	0.47		0.5000		94.5	70	130			

Qualifiers:

- | | |
|--|--|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| 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 greater than 2 | R RPD outside accepted recovery limits |
| RL Reporting Detection Limit | S Spike Recovery outside accepted recovery limits |

Sample Log-In Check List

Client Name: SMA-FARM

Work Order Number: 1303943

RcptNo: 1

Received by/date:

AT 03/23/13

Logged By:

Anne Thorne

3/23/2013 10:26:00 AM

Completed By:

Anne Thorne

3/23/2013

Reviewed By:

AT 03/23/13

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?

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:

Date:

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			

Chain-of-Custody Record		Turn-Around Time:	
Client: <u>SMA</u>		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>same day</u>	
Mailing Address: <u>2101 San Juan Blvd.</u>		Project Name: <u>Enterprise</u>	
<u>Farmington, NM 87401</u>		<u>Howell M #1A</u>	
Phone #: <u>505.325-7535</u>		Project #: <u>5132104</u>	
email or Fax#: <u>Tom.Long@sauder-miller.com</u>		Project Manager:	
QA/QC Package:		<u>Thomas Long</u>	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)			
Accreditation		Sampler: <u>Thomas Long</u>	
<input type="checkbox"/> NELAP <input type="checkbox"/> Other _____		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type) _____		Sample Temperature: <u>76</u>	

☐ Standard ☒ Rush same Day

Project #: 5132104

Project Manager: Thomas Long

Sampler: Thomas Long

On Ice ☒ Yes ☐ No

Sample Temperature 160

AT 03/23/13
Container
Type and #
Meort kits

Preservative
Type

HEAL No:

13A3942

Date	Time	Matrix	Sample Request ID
22-13	0950	So:1	SC-1 e5'
	0950		SC-2
	0954		SC-3
	0956		SC-4
↓	0958	↓	SC-5

(1) Lic2
Tar

ICE



~~BTEX + MIBE + TMB'S (8021)~~

BTEX + MTBE + TPH (Gas only)

TPH Method 8015B (Gas/Diesel)

FD-11 Method of TSP (Gas/Diesel)	FD-11 Method of TSP (Gas/Diesel)
----------------------------------	----------------------------------

IPR (Method 418.1)

EDB (Method 504.1)

8310 (PNA or PAH)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

[illegible]

0200B (VOR)

8270 (Semi-VOA)

1000

Air Bubbles (Y or N)

Date: 02-13	Time: 1546	Relinquished by: Thomas Long
Date:	Time:	Relinquished by:

Received by:	Date	Time
<i>Christy Webb</i>	3/22/13	154
Received by:	Date	Time

1/22/13 1725 Kristine Watten

Ch. 105/23/13 1026

Remarks: Bill To Enterprise
USE Names on Labels

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request



Industrial Ecosystems Inc.

#49 C.R. 3150 • Aztec, NM 87410

Phone: 505-632-1782 • Fax: 505-632-1876

22590

Customer

Enterprise

Unit:

47-2

Employee

Excavation

Contact

Aaron Dailly

Date:

3-21-13

PO#:

Location Name

Howell m #1A

☐ Jicarilla Apache Land ☐ Southern Ute Land

Billing Code:

LABOR		HRS/UNITS		RATE		TOTAL
Equipment Operator	41000.1		Hours/Day	\$	Per hour/day	\$
General Laborer	41000.1		Hours	\$	Per hour	\$
Project Manager	41000.1		Hours	\$	Per hour	\$
Per Diem	41000.1		Hours	\$	Per day/man	\$
Travel Time	41000.1		Hours	\$	Per hour	\$
PSI	41000.1		Hours	\$	Per hour	\$
Route Survey	41000.1		Hours	\$	Per hour	\$
EQUIPMENT						
4wd Pickup	42000.1		Miles	\$	Per mile	\$
12yd Dump Truck	42000.1		Hours	\$	Per hour	\$
18yd Side Dump	42000.1		Hours	\$	Per hour	\$
Backhoe with Operator	42000.1		Hours	\$	Per hour	\$
Loader with Operator	42000.1		Hours	\$	Per hour	\$
Excavator with Operator	42000.1		Hours	\$	Per hour	\$
Portable Pressure Wash	42000.1		Hours/Day		Per hour/day	\$
Portable Pres. Wash Unit	42000.1		Hours	\$	Per hour	\$
80 Barrel Vacuum Truck	42000.1		Hours	\$	Per hour	\$
King Vac.Truck with Crew	42000.1		Hours	\$	Per hour	\$
Mileage	42000.1		Miles	\$	Per mile	\$
SCBA (Breathing Apparatus)	42000.1		Day	\$	Per day	\$
SCBA Refill	42000.1		Each	\$	Per Refill	\$
LEL,O ₂ ,H ₂ S Monitoring	42000.1		Day	\$	Per day	\$
Compressor	42000.1		Hours/Day	\$	Per hour/day	\$
Air Horn	42000.1		Day	\$	Per day	\$
Line Locator	42000.1		Day	\$	Per day	\$
SERVICES						
Chloride Test	45000.2	1	Each	\$ 15.00	Per test	\$ 15.00
Mobile Dewatering	42100.1		Hours/Day	\$	Per hour/day	\$
Mob/Demob	42100.1		Hours	\$	Per hour	\$
Monthly Maintenance	45000.1		Month	\$	Per month	\$
SUPPLIES						
Soap/Degreaser			Gallons	\$	Per gallon	\$
Virgin Soil/Gravel	45500.2	44	Cubic yard	\$ 5.50	Per yard	\$ 242.00
DISPOSAL & MISC.						
Disposal Fee (solids)	44000.2	44	Cubic yard	\$ 18.50	Per yard	\$ 814.00
Disposal Fee (liquids)	44100.2		Per barrel	\$	Per barrel	\$
Facility Use Fee	42000.2		Each	\$	Each	\$

Comments:

Cont Soil

Sub Total

1,071.00

Tax

Total

Employee Signature

Customer Signature

FOR BILLING INQUIRIES PLEASE CALL (505) 632-1782

AMOUNTS ARE DUE NET 30 DAYS. PURCHASER AGREES TO PAY FINANCE CHARGES OF 1.5% PER MONTH (ANNUAL PERCENTAGE RATE OF 18%) OR A MINIMUM CHARGE OF .50 PER MONTH. ACCOUNTS THAT HAVE BEEN PLACED FOR COLLECTION WILL BE CHARGED A \$100.00 COLLECTION FEE IN ADDITION TO REASONABLE ATTORNEY FEES AND COLLECTION CHARGES.

22593



Industrial Ecosystems Inc.

#49 C.R. 3150 • Aztec, NM 87410

Phone: 505-632-1782 • Fax: 505-632-1876

Customer Enterprise
 Unit: 2, 47
 Employee: Excavation
 Contact: Arion Daily
 Date: 3-22-13
 PO#: _____
Location Name Howell m #14
☐ Jicarilla Apache Land ☐ Southern Ute Land

Billing Code: _____

LABOR		HRS/UNITS		RATE		TOTAL
Equipment Operator	41000.1		Hours/Day	\$	Per hour/day	\$
General Laborer	41000.1		Hours	\$	Per hour	\$
Project Manager	41000.1		Hours	\$	Per hour	\$
Per Diem	41000.1		Hours	\$	Per day/man	\$
Travel Time	41000.1		Hours	\$	Per hour	\$
PSI	41000.1		Hours	\$	Per hour	\$
Route Survey	41000.1		Hours	\$	Per hour	\$
EQUIPMENT						
4wd Pickup	42000.1		Miles	\$	Per mile	\$
12yd Dump Truck	42000.1		Hours	\$	Per hour	\$
18yd Side Dump	42000.1		Hours	\$	Per hour	\$
Backhoe with Operator	42000.1		Hours	\$	Per hour	\$
Loader with Operator	42000.1		Hours	\$	Per hour	\$
Excavator with Operator	42000.1		Hours	\$	Per hour	\$
Portable Pressure Wash	42000.1		Hours/Day		Per hour/day	\$
Portable Pres. Wash Unit	42000.1		Hours	\$	Per hour	\$
80 Barrel Vacuum Truck	42000.1		Hours	\$	Per hour	\$
King Vac Truck with Crew	42000.1		Hours	\$	Per hour	\$
Mileage	42000.1		Miles	\$	Per mile	\$
SCBA (Breathing Apparatus)	42000.1		Day	\$	Per day	\$
SCBA Refill	42000.1		Each	\$	Per Refill	\$
LEL, O ₂ , H ₂ S Monitoring	42000.1		Day	\$	Per day	\$
Compressor	42000.1		Hours/Day	\$	Per hour/day	\$
Air Horn	42000.1		Day	\$	Per day	\$
Line Locator	42000.1		Day	\$	Per day	\$
SERVICES						
Chloride Test	45000.2		Each	\$	Per test	\$
Mobile Dewatering	42100.1		Hours/Day	\$	Per hour/day	\$
Mob/Demob	42100.1		Hours	\$	Per hour	\$
Monthly Maintenance	45000.1		Month	\$	Per month	\$
SUPPLIES						
Soap/Degreaser			Gallons	\$	Per gallon	\$
Virgin Soil/Gravel	45500.2	22	Cubic yard	\$ 5.30	Per yard	\$ 121.00
DISPOSAL & MISC.						
Disposal Fee (solids)	44000.2	22	Cubic yard	\$ 18.50	Per yard	\$ 407.00
Disposal Fee (liquids)	44100.2		Per barrel	\$	Per barrel	\$
Facility Use Fee	42000.2		Each	\$	Each	\$
Sub Total						
Tax						
Total						

Comments: Cont Soil

Employee Signature _____

Customer Signature _____

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