



# AE Order Number Banner

## Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number: pCS1507831688**

**3RP - 1024**

**ELM RIDGE EXPLORATION COMPANY LLC**

9/14/2017

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: Elm Ridge Exploration Co.	Contact: Dianna Hamilton 330-2736
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144
Facility Name: Marcus Compressor Station	Facility Type: Compressor Station

Surface Owner: BLM	Mineral Owner:	API No.
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**LOCATION OF RELEASE**

Unit Letter	Section S11	Township T23N	Range R7W	Feet from the	North/South Line	Feet from the	East/West Line	County
-------------	-------------	---------------	-----------	---------------	------------------	---------------	----------------	--------

Latitude 36.24568 Longitude -107.53751

**NATURE OF RELEASE**

Type of Release: oil water emulsified liquid	Volume of Release: ~40 bbl	Volume Recovered: 21.46 bbls
Source of Release: overflow from slop tank to pit.	Date and Hour of Occurrence	June 21, 2017 approx. 12:00pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD's Cory Smith and Vanessa Fields as well as BLM's Kenneth Kilness	
By Whom? Dianna Hamilton	Date and Hour 6.21.17 3:00pm	<b>OIL CONS. DIV DIST. 3</b>
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>AUG 1 1 2017</b>	

If a Watercourse was Impacted, Describe Fully. \* N/A

Describe Cause of Problem and Remedial Action Taken. \* The cause of this release was human error. Operator was doing his routine drain from the slop tank to the pit and left the valve open. Operator called midstream regulatory contact to report and to begin remediation and clean up coordination.

Describe Area Affected and Cleanup Action Taken. \* The release was restricted to the containment area/berm. 21.46 bbls were recovered, however; there is no existing pit liner, which resulted in soil contamination. 3<sup>rd</sup> party contractor, Halo Construction will begin clean up on Monday June 26, 2017 at 8:00am. Plans to pull tank and excavate the contaminated area, hauling contaminated soil to land farm, followed by soil sampling, pit lining and resetting tank and containment area. Dianna Hamilton notified NMOCD and BLM of potential sampling date and time to allow NMOCD and BLM to witness however Vanessa was unable to attend and she advised me to go ahead and sample. See attached labs and report and labs for further detail. Site was ranked a "0" and with that, results were acceptable and we were given permission by Vanessa Fields to backfill.

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: <i>Dianna Hamilton</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Dianna Hamilton	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: HSE Coordinator	Approval Date: 9/14/17	Expiration Date:
E-mail Address: dhamilton@djrlc.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: July 26, 2017 Phone: 505-330-2736		

\* Attach Additional Sheets If Necessary

#NUF 1718 155 633

52



August 8, 2017

New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, NM 87410

Return Receipt Requested 7015 0640 0005 8540 0526

Subject: Marcus Compressor Station Release

To whom it may concern,

DJR Operating (previously Elm Ridge Exploration dba Beeline Gas Systems) is submitting this packet which contains C-141 initial and final reports, lab results and reports, C-138.

If you have any questions or comments please feel free to contact me at the above number or by email at [dhamilton@djrlc.com](mailto:dhamilton@djrlc.com)

Sincerely,

Dianna Hamilton  
HSE Coordinator

OIL CONS. DIV DIST. 3  
AUG 11 2017

*Attachments:* C-141 Initial  
C-141 Final  
C-138  
Lab analysis report for soil samples  
Full report for release (Animas Environmental)

District I  
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State of New Mexico  
Energy Minerals and Natural Resources



Form C-141  
Revised August 8, 2011

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

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

**Release Notification and Corrective Action**

**OPERATOR**  Initial Report  Final Report

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Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144
Facility Name: Marcus Compressor Station	Facility Type: Compressor Station

Surface Owner: BLM	Mineral Owner:	API No.
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By Whom? Dianna Hamilton	Date and Hour 6.21.17 3:00pm	<b>OIL CONS. DIV DIST. 3</b>
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>AUG 1 1 2017</b>	

If a Watercourse was Impacted, Describe Fully.\* N/A

Describe Cause of Problem and Remedial Action Taken.\* It appears that the cause of this release was human error. Operator was doing his routine drain from the slop tank to the pit and left the valve open. Operator called midstream regulatory contact to report and to begin remediation and clean up coordination.

Describe Area Affected and Cleanup Action Taken.\* The release was restricted to the containment area/berm. 21.46 bbls were recovered, however; there is no existing pit liner, which resulted in soil contamination. 3<sup>rd</sup> party contractor, Halo Construction will begin clean up on Monday June 26, 2017 at 8:00am. Plans to pull tank and excavate the contaminated area, hauling contaminated soil to land farm, followed by soil sampling, pit lining and resetting tank and containment area. Please note, Dianna Hamilton will notify NMOCD and BLM of potential sampling date and time to allow NMOCD and BLM to witness.

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: <i>Dianna Hamilton</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Dianna Hamilton	Approved by Environmental Specialist:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: dhamilton@djrlc.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6.22.17 Phone: 505-330-2736		

\* Attach Additional Sheets If Necessary

Mailed to VANESSA on 6/26/17

COLA

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

State of New Mexico  
Energy Minerals and Natural Resources **17035-0003**  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-138  
Revised August 1, 2011

\*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

<b>1. Generator Name and Address:</b> Elmridge Exploration CO, 2001 E. Blanco Blvd, PO Box 1280 Bloomfield NM 87413
<b>2. Originating Site:</b> Marcus Compressor Station
<b>3. Location of Material (Street Address, City, State or ULSTR):</b> S11 T23N R7W <p style="text-align: right;">June 2017</p>
<b>4. Source and Description of Waste:</b> Hydrocarbon impacted soil from the release of produced water and crude oil mixture due to tank overflow. Estimated Volume <u>20</u> <u>yd<sup>3</sup></u> / bbls Known Volume (to be entered by the operator at the end of the haul) <u>248</u> <u>yd<sup>3</sup></u> bbls
<b>5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS</b> I, <u>Dianna Hamilton, Dianna Hamilton</u> , representative or authorized agent for <u>Elm Ridge Exploration</u> do hereby <b>PRINT &amp; SIGN NAME</b> <b>COMPANY NAME</b> certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) <b>GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS</b> I, <u>Dianna R. Hamilton</u> , representative for <u>DJR Operating</u> authorize Envirotech to <b>Generator Signature</b> complete the required testing/sign the Generator Waste Testing Certification. I, <u>[Signature]</u> , representative for <u>Envirotech</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
<b>5. Transporter: Roberts Trucking, Teraco, Halo</b> <p style="text-align: right;"><b>OIL CONS. DIV DIST. 3</b> AUG 11 2017</p>

#### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Permit # NM-01-0011

Address of Facility: #43 Road 7175 South of Bloomfield NM 87413

Method of Treatment and/or Disposal:

Evaporation  Injection  Treating Plant  Landfarm  Landfill  Other

#### Waste Acceptance Status:

APPROVED

DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Environmental Manager DATE: 6/26/17

SIGNATURE: [Signature]  
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: (505) 632-0665



August 1, 2017

OIL CONS. DIV DIST. 3

AUG 1 1 2017

Dianna Hamilton  
DJ Resources, LLC  
2001 E. Blanco Blvd  
Bloomfield, New Mexico 87413

*Via electronic mail with delivery confirmation receipt to:  
[dhamilton@djrlc.com](mailto:dhamilton@djrlc.com)*

**RE: Excavation Clearance Report  
Marcus Compressor Station Release  
Rio Arriba County, New Mexico**

Dear Ms. Hamilton:

On July 11, 2017, Animas Environmental Services, LLC (AES) completed confirmation sampling of the excavation area associated with petroleum contaminated soils at the DJ Resources Marcus Compressor Station. According to the initial C-141, the release occurred on June 21, 2017, and consisted of approximately 40 bbls of oil/water emulsified liquids, of which approximately 21.46 bbls was recovered.

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## 1.0 Site Information

### 1.1 Location

Legal Description – NE¼ NE¼, Section 11, T23N, R7W, Rio Arriba County, New Mexico

Release Latitude/Longitude – N36.24568 and W107.53751, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, July 2017

### 1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the location was given a ranking score of 0 based on the following factors:

604 W. Piñon St.  
Farmington, NM 87401  
505-564-2281

1911 Main, Ste 206  
Durango, CO 81301  
970-403-3084

- **Depth to Groundwater:** The location is approximately 210 feet higher than the nearest significant drainage 1,150 feet to the northwest. (0 points)
- **Wellhead Protection Area:** The tank location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** There is an unnamed drainage 1,150 feet to the northwest that ultimately drains to Largo Canyon Wash. (0 points)

### 1.3 Excavation Clearance

On July 11, 2017, DJ Resources contractors completed an excavation at the release location, and AES personnel collected a total of nine confirmation soil samples for laboratory analysis from the walls and base of the excavation. The final excavation measured approximately 25 feet by 45 feet by 4.5 to 9 feet deep. Sample locations and final excavation extents are presented on Figure 3.

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## 2.0 Soil Sampling

On July 11, 2017, nine soil samples (SC-1 through SC-9) were collected from the walls and base of the excavation. All samples were submitted for laboratory analysis.

### 2.1 Laboratory Analyses

The samples collected for laboratory analysis (SC-1 through SC-9) were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto sample chain of custody records. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. The samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- Total petroleum hydrocarbons (TPH) as gasoline, diesel range and motor oil range (GRO, DRO, and MRO) per USEPA Method 8015M/D.

### 2.2 Laboratory Analytical Results

Laboratory analytical results are summarized in Table 1 and on Figure 3. The laboratory analytical report is attached.

Table 1. Soil Laboratory Analytical Results – Benzene, Total BTEX, and TPH  
 Marcus Compressor Station Release Excavation Clearance, July 2017

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)		TPH – GRO (mg/kg)	TPH – DRO (mg/kg)	TPH – MRO (mg/kg)
				10	50	5,000		
SC-1	7/11/17	0 to 9	<0.024	<0.216	<4.8	72	60	
SC-2	7/11/17	0 to 9	<0.024	<0.217	<4.8	200	180	
SC-3	7/11/17	0 to 9	<0.024	<0.220	<4.9	<10	<50	
SC-4	7/11/17	0 to 9	<0.024	<0.216	<4.8	20	<47	
SC-5	7/11/17	0 to 9	<0.024	<0.213	<4.7	<9.9	<50	
SC-6	7/11/17	9	<0.023	<0.210	<4.7	<10	<50	
SC-7	7/11/17	0 to 4.5	<0.024	<0.219	<4.9	33	<48	
SC-8	7/11/17	0 to 4.5	<0.024	<0.246	<4.8	<9.5	<48	
SC-9	7/11/17	4.5	<0.12	<1.11	30	510	400	

\*Action level determined by NMAC 19.15.17.13E

### 3.0 Conclusions and Recommendations

On July 11, 2017, AES completed confirmation sampling of the excavation area associated with petroleum contaminated soils at the DJ Resources Marcus Compressor Station release location. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 0.

Soil laboratory analyses for SC-1 through SC-9 showed benzene and total BTEX concentrations below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively, with all BTEX concentrations being below laboratory detection limits. In addition, TPH (GRO/DRO/MRO) concentrations were below the NMOCD action level of 5,000 mg/kg in all samples.

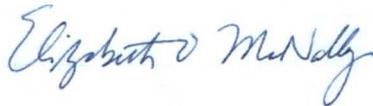
Based on the final laboratory analytical results of the excavation of petroleum contaminated soils at the Marcus Compressor Station release location, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final base and sidewalls. No further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Elizabeth McNally at (505) 564-2281.

Sincerely,



David J. Reese  
Environmental Scientist

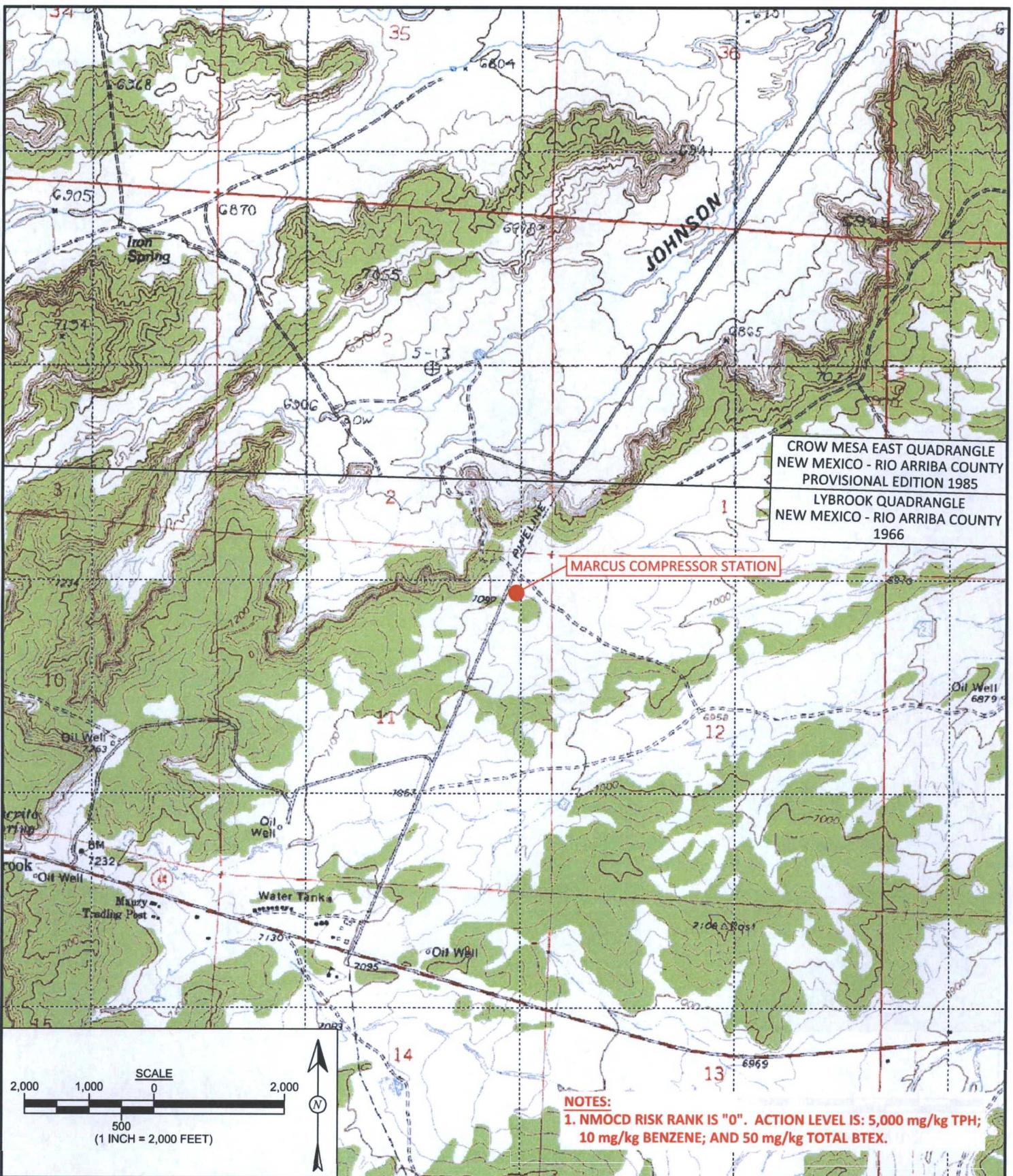


Elizabeth McNally, P.E.

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map, July 2017
- Figure 3. Final Excavation Sample Locations and Results, July 2017
- Hall Analytical Report 1707627

\\SVRMAIN2\Shared\Animas 2000\Dropbox (Animas Environmental)\0000 AES Server Client Projects  
Dropbox\2017 Client Projects\DJ Resources (Bee Line)\Marcus Compressor Station\DJ Resources Marcus  
Compressor Station Release Final Excavation Report 080117.docx



**animas  
environmental  
services**  
Farmington, NM • Durango, CO  
animasenvironmental.com

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> July 5, 2017
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> July 20, 2017
<b>CHECKED BY:</b> E. McNally	<b>DATE CHECKED:</b> July 20, 2017
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> July 20, 2017

## FIGURE 1

**TOPOGRAPHIC SITE LOCATION MAP**  
DJ RESOURCES  
MARCUS COMPRESSOR STATION  
NE¼ NE¼, SECTION 11, T23N, R7W  
RIO ARRIBA COUNTY, NEW MEXICO  
N36.24546, W107.53805



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environmental  
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animasenvironmental.com

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<b>CHECKED BY:</b> E. McNally	<b>DATE CHECKED:</b> July 5, 2017
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> July 5, 2017

**FIGURE 2**

**AERIAL SITE MAP  
JULY 2017**

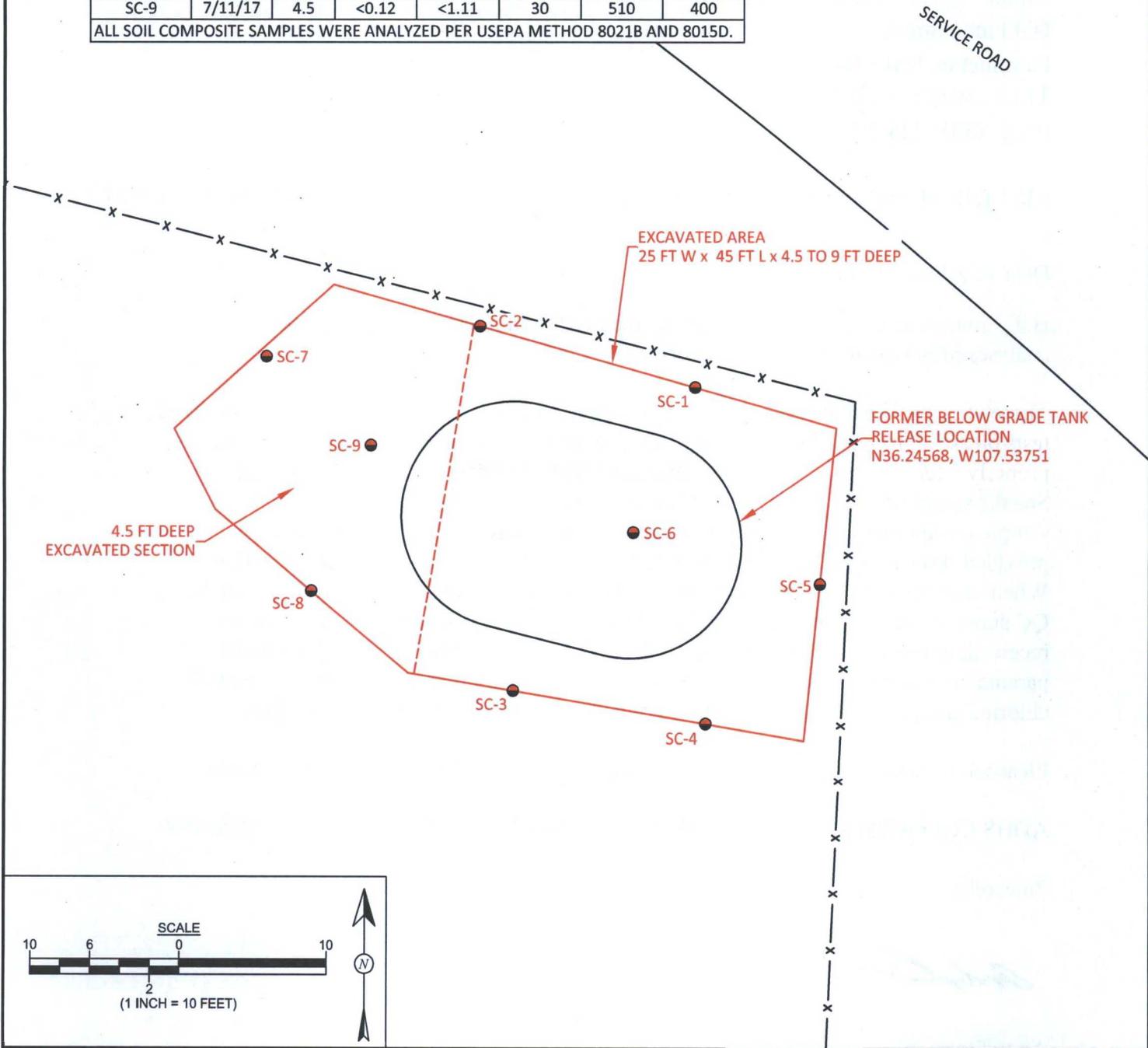
DJ RESOURCES  
MARCUS COMPRESSOR STATION  
NE¼ NE¼, SECTION 11, T23N, R7W  
RIO ARRIBA COUNTY, NEW MEXICO  
N36.24546, W107.53805

Laboratory Analytical Results							
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)
NMOCD ACTION LEVEL			10	50	5,000		
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SC-9	7/11/17	4.5	<0.12	<1.11	30	510	400

ALL SOIL COMPOSITE SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 8015D.

**LEGEND**

- SAMPLE LOCATIONS
- ==== SECONDARY CONTAINMENT BERM
- x- FENCE



 <p><b>animas environmental services</b> Farmington, NM • Durango, CO animasenvironmental.com</p>	<p><b>DRAWN BY:</b> S. Glasses</p>	<p><b>DATE DRAWN:</b> July 12, 2017</p>	<p><b>FIGURE 3</b> <b>FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS</b> <b>JULY 2017</b> DJ RESOURCES MARCUS COMPRESSOR STATION NE¼ NE¼, SECTION 11, T23N, R7W RIO ARRIBA COUNTY, NEW MEXICO N36.24546, W107.53805</p>
	<p><b>REVISIONS BY:</b> C. Lameman</p>	<p><b>DATE REVISED:</b> July 20, 2017</p>	
	<p><b>CHECKED BY:</b> E. McNally</p>	<p><b>DATE CHECKED:</b> July 20, 2017</p>	
	<p><b>APPROVED BY:</b> E. McNally</p>	<p><b>DATE APPROVED:</b> July 20, 2017</p>	



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

July 19, 2017

Elizabeth McNally  
Animas Environmental Services  
604 Pinon Street  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX (505) 324-2022

RE: DJR Marus Compressor Station

OrderNo.: 1707627

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/13/2017 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](http://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 light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

CLIENT: Animas Environmental Services

Client Sample ID: SC-1

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:01:00 AM

Lab ID: 1707627-001

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	72	9.7		mg/Kg	1	7/18/2017 6:13:02 AM	32810
Motor Oil Range Organics (MRO)	60	49		mg/Kg	1	7/18/2017 6:13:02 AM	32810
Surr: DNOP	71.8	70-130		%Rec	1	7/18/2017 6:13:02 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Surr: BFB	96.1	54-150		%Rec	1	7/18/2017 10:24:04 PM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Toluene	ND	0.048		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Xylenes, Total	ND	0.096		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	7/18/2017 10:24:04 PM	32814

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.**

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:05:00 AM

Lab ID: 1707627-002

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	200	10		mg/Kg	1	7/18/2017 6:37:36 AM	32810
Motor Oil Range Organics (MRO)	180	50		mg/Kg	1	7/18/2017 6:37:36 AM	32810
Surr: DNOP	76.0	70-130		%Rec	1	7/18/2017 6:37:36 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Surr: BFB	124	54-150		%Rec	1	7/18/2017 10:47:33 PM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Toluene	ND	0.048		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Xylenes, Total	ND	0.097		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Surr: 4-Bromofluorobenzene	111	66.6-132		%Rec	1	7/18/2017 10:47:33 PM	32814

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

<b>Qualifiers:</b>	*	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.**

CLIENT: Animas Environmental Services

Client Sample ID: SC-3

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:08:00 AM

Lab ID: 1707627-003

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/18/2017 7:02:19 AM	32810
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2017 7:02:19 AM	32810
Surr: DNOP	71.0	70-130		%Rec	1	7/18/2017 7:02:19 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Surr: BFB	95.6	54-150		%Rec	1	7/19/2017 12:21:36 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Toluene	ND	0.049		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	7/19/2017 12:21:36 AM	32814

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.**

CLIENT: Animas Environmental Services

Client Sample ID: SC-4

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:12:00 AM

Lab ID: 1707627-004

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	20	9.3		mg/Kg	1	7/18/2017 7:26:54 AM	32810
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/18/2017 7:26:54 AM	32810
Surr: DNOP	76.2	70-130		%Rec	1	7/18/2017 7:26:54 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Surr: BFB	94.8	54-150		%Rec	1	7/19/2017 12:45:12 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Toluene	ND	0.048		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Xylenes, Total	ND	0.096		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Surr: 4-Bromofluorobenzene	109	66.6-132		%Rec	1	7/19/2017 12:45:12 AM	32814

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

<b>Qualifiers:</b>	*	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.**

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SC-5

**Project:** DJR Marus Compressor Station

**Collection Date:** 7/11/2017 11:16:00 AM

**Lab ID:** 1707627-005

**Matrix:** SOIL

**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/18/2017 7:51:35 AM	32810
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2017 7:51:35 AM	32810
Surr: DNOP	71.4	70-130		%Rec	1	7/18/2017 7:51:35 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Surr: BFB	94.8	54-150		%Rec	1	7/19/2017 1:08:41 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Toluene	ND	0.047		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Xylenes, Total	ND	0.095		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Surr: 4-Bromofluorobenzene	108	66.6-132		%Rec	1	7/19/2017 1:08:41 AM	32814

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

<b>Qualifiers:</b>	* 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.**

CLIENT: Animas Environmental Services

Client Sample ID: SC-6

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:20:00 AM

Lab ID: 1707627-006

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/18/2017 4:02:52 PM	32836
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2017 4:02:52 PM	32836
Surr: DNOP	84.6	70-130		%Rec	1	7/18/2017 4:02:52 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: BFB	94.9	54-150		%Rec	1	7/19/2017 1:32:10 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Toluene	ND	0.047		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Xylenes, Total	ND	0.093		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: 4-Bromofluorobenzene	108	66.6-132		%Rec	1	7/19/2017 1:32:10 AM	32814

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

<b>Qualifiers:</b>	*	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.**

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SC-7

**Project:** DJR Marus Compressor Station

**Collection Date:** 7/11/2017 11:43:00 AM

**Lab ID:** 1707627-007

**Matrix:** SOIL

**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	33	9.5		mg/Kg	1	7/18/2017 5:28:10 PM	32836
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/18/2017 5:28:10 PM	32836
Surr: DNOP	81.1	70-130		%Rec	1	7/18/2017 5:28:10 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: BFB	97.1	54-150		%Rec	1	7/19/2017 1:55:41 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Toluene	ND	0.049		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Xylenes, Total	ND	0.097		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	7/19/2017 1:55:41 AM	32814

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

<b>Qualifiers:</b>	* 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.**

CLIENT: Animas Environmental Services

Client Sample ID: SC-8

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:46:00 AM

Lab ID: 1707627-008

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/18/2017 5:57:35 PM	32836
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/18/2017 5:57:35 PM	32836
Surr: DNOP	71.6	70-130		%Rec	1	7/18/2017 5:57:35 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: BFB	98.1	54-150		%Rec	1	7/19/2017 2:19:08 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Toluene	ND	0.048		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Xylenes, Total	ND	0.096		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: 4-Bromofluorobenzene	109	66.6-132		%Rec	1	7/19/2017 2:19:08 AM	32814

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

<b>Qualifiers:</b>	*	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 1707627

Date Reported: 7/19/2017

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SC-9

**Project:** DJR Marus Compressor Station

**Collection Date:** 7/11/2017 11:50:00 AM

**Lab ID:** 1707627-009

**Matrix:** SOIL

**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	510	9.7		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Motor Oil Range Organics (MRO)	400	49		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Surr: DNOP	88.7	70-130		%Rec	1	7/18/2017 6:26:56 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	30	25		mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: BFB	151	54-150	S	%Rec	5	7/19/2017 2:42:40 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Toluene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Ethylbenzene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Xylenes, Total	ND	0.49	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: 4-Bromofluorobenzene	116	66.6-132	D	%Rec	5	7/19/2017 2:42:40 AM	32814

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

<b>Qualifiers:</b>	* 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#: 1707627  
19-Jul-17

**Client:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station

Sample ID <b>MB-32805</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32805</b>		RunNo: <b>44252</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/17/2017</b>		SeqNo: <b>1397598</b>					Units: <b>%Rec</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		96.3	70	130			

Sample ID <b>LCS-32805</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32805</b>		RunNo: <b>44252</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/17/2017</b>		SeqNo: <b>1397654</b>					Units: <b>%Rec</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID <b>LCS-32810</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32810</b>		RunNo: <b>44252</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/17/2017</b>		SeqNo: <b>1397734</b>					Units: <b>mg/Kg</b>		
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	73.2	114			
Surr: DNOP	4.5		5.000		90.1	70	130			

Sample ID <b>MB-32810</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32810</b>		RunNo: <b>44252</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/17/2017</b>		SeqNo: <b>1397735</b>					Units: <b>mg/Kg</b>		
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	9.3		10.00		93.0	70	130			

Sample ID <b>1707627-006AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>SC-6</b>	Batch ID: <b>32836</b>		RunNo: <b>44282</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399664</b>					Units: <b>mg/Kg</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	9.7	48.40	6.281	116	55.8	122			
Surr: DNOP	4.4		4.840		91.8	70	130			

Sample ID <b>1707627-006AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>SC-6</b>	Batch ID: <b>32836</b>		RunNo: <b>44282</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399665</b>					Units: <b>mg/Kg</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	9.7	48.40	6.281	116	55.8	122	0.375	20	

**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#: 1707627  
19-Jul-17

**Client:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station

Sample ID	1707627-006AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SC-6	Batch ID:	32836	RunNo:	44282					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399665	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		4.840		92.0	70	130	0	0	

Sample ID	LCS-32836	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	32836	RunNo:	44282					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399678	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	107	73.2	114			
Surr: DNOP	4.4		5.000		88.8	70	130			

Sample ID	MB-32836	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	32836	RunNo:	44282					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399679	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	8.4		10.00		84.4	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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#: 1707627

19-Jul-17

**Client:** Animas Environmental Services

**Project:** DJR Marus Compressor Station

Sample ID <b>MB-32828</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399599</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.8	54	150			

Sample ID <b>LCS-32828</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399600</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	54	150			

Sample ID <b>LCSD-32828</b>	SampType: <b>LCSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS02</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399601</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000							0	0	

Sample ID <b>MB-32814</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32814</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399613</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	54	150			

Sample ID <b>LCS-32814</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32814</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399614</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.6	76.4	125			
Surr: BFB	1100		1000		107	54	150			

Sample ID <b>1707627-002AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>SC-2</b>	Batch ID: <b>32814</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399617</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.63	2.963	80.9	77.8	128			
Surr: BFB	1200		985.2		126	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#: 1707627

19-Jul-17

**Client:** Animas Environmental Services

**Project:** DJR Marus Compressor Station

Sample ID	1707627-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-2	Batch ID:	32814	RunNo:	44294					
Prep Date:	7/14/2017	Analysis Date:	7/18/2017	SeqNo:	1399618	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.85	2.963	94.3	77.8	128	14.2	20	
Surr: BFB	1200		994.0		121	54	150	0	0	

**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#: 1707627  
19-Jul-17

**Client:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station

Sample ID <b>MB-32828</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399633</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	66.6	132			

Sample ID <b>LCS-32828</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399634</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132			

Sample ID <b>LCSD-32828</b>	SampType: <b>LCSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS02</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399635</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132	0		

Sample ID <b>MB-32814</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32814</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399647</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		113	66.6	132			

Sample ID <b>LCS-32814</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32814</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399648</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.5	80	120			
Toluene	0.96	0.050	1.000	0	96.2	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	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 |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1707627  
19-Jul-17

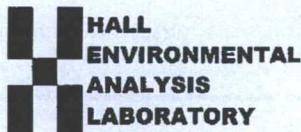
**Client:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station

Sample ID	1707627-001AMS	SampType:	MS	TestCode:	EPA Method 8021B: Volatiles						
Client ID:	SC-1	Batch ID:	32814	RunNo:	44294						
Prep Date:	7/14/2017	Analysis Date:	7/18/2017	SeqNo:	1399650	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.97	0.024	0.9728	0	100	80.9	132				
Toluene	0.96	0.049	0.9728	0.01598	97.3	79.8	136				
Ethylbenzene	0.98	0.049	0.9728	0.01601	99.2	79.4	140				
Xylenes, Total	2.9	0.097	2.918	0.01861	100	78.5	142				
Surr: 4-Bromofluorobenzene	1.1		0.9728		116	66.6	132				

Sample ID	1707627-001AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles						
Client ID:	SC-1	Batch ID:	32814	RunNo:	44294						
Prep Date:	7/14/2017	Analysis Date:	7/18/2017	SeqNo:	1399651	Units:	mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.97	0.024	0.9597	0	101	80.9	132	0.874	20		
Toluene	0.94	0.048	0.9597	0.01598	96.8	79.8	136	1.87	20		
Ethylbenzene	0.96	0.048	0.9597	0.01601	98.0	79.4	140	2.56	20		
Xylenes, Total	2.9	0.096	2.879	0.01861	98.6	78.5	142	3.14	20		
Surr: 4-Bromofluorobenzene	1.1		0.9597		115	66.6	132	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 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



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: Animas Environmental

Work Order Number: 1707627

RcptNo: 1

Received By: Anne Thorne 7/13/2017 7:10:00 AM  
 Completed By: Erin Melendrez 7/13/2017 11:53:15 AM  
 Reviewed By: ENM/ML 7/14/17

*Anne Thorne*  
*ENM/ML*

### 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? Yes  No   
(Note discrepancies on chain of custody)
- 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? Yes  No   
(If no, notify customer for authorization.)

# 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	2.5	Good	Yes			





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

July 19, 2017

Elizabeth McNally

Animas Environmental Services  
604 Pinon Street  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX (505) 324-2022

OIL CONS. DIV DIST. 3

AUG 1 1 2017

RE: DJR Marus Compressor Station

OrderNo.: 1707627

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/13/2017 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](http://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 white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental Services **Client Sample ID:** SC-1  
**Project:** DJR Marus Compressor Station **Collection Date:** 7/11/2017 11:01:00 AM  
**Lab ID:** 1707627-001 **Matrix:** SOIL **Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	72	9.7		mg/Kg	1	7/18/2017 6:13:02 AM	32810
Motor Oil Range Organics (MRO)	60	49		mg/Kg	1	7/18/2017 6:13:02 AM	32810
Surr: DNOP	71.8	70-130		%Rec	1	7/18/2017 6:13:02 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Surr: BFB	96.1	54-150		%Rec	1	7/18/2017 10:24:04 PM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Toluene	ND	0.048		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Xylenes, Total	ND	0.096		mg/Kg	1	7/18/2017 10:24:04 PM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	7/18/2017 10:24:04 PM	32814

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

<b>Qualifiers:</b>	*	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.**

CLIENT: Animas Environmental Services

Client Sample ID: SC-2

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:05:00 AM

Lab ID: 1707627-002

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	200	10		mg/Kg	1	7/18/2017 6:37:36 AM	32810
Motor Oil Range Organics (MRO)	180	50		mg/Kg	1	7/18/2017 6:37:36 AM	32810
Surr: DNOP	76.0	70-130		%Rec	1	7/18/2017 6:37:36 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Surr: BFB	124	54-150		%Rec	1	7/18/2017 10:47:33 PM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Toluene	ND	0.048		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Xylenes, Total	ND	0.097		mg/Kg	1	7/18/2017 10:47:33 PM	32814
Surr: 4-Bromofluorobenzene	111	66.6-132		%Rec	1	7/18/2017 10:47:33 PM	32814

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

<b>Qualifiers:</b>	*	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

**Analytical Report**

Lab Order 1707627

Date Reported: 7/19/2017

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SC-3

**Project:** DJR Marus Compressor Station

**Collection Date:** 7/11/2017 11:08:00 AM

**Lab ID:** 1707627-003

**Matrix:** SOIL

**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/18/2017 7:02:19 AM	32810
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2017 7:02:19 AM	32810
Surr: DNOP	71.0	70-130		%Rec	1	7/18/2017 7:02:19 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Surr: BFB	95.6	54-150		%Rec	1	7/19/2017 12:21:36 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Toluene	ND	0.049		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2017 12:21:36 AM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	7/19/2017 12:21:36 AM	32814

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

<b>Qualifiers:</b>	* 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

Analytical Report

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-4

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:12:00 AM

Lab ID: 1707627-004

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	20	9.3		mg/Kg	1	7/18/2017 7:26:54 AM	32810
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/18/2017 7:26:54 AM	32810
Surr: DNOP	76.2	70-130		%Rec	1	7/18/2017 7:26:54 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Surr: BFB	94.8	54-150		%Rec	1	7/19/2017 12:45:12 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Toluene	ND	0.048		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Xylenes, Total	ND	0.096		mg/Kg	1	7/19/2017 12:45:12 AM	32814
Surr: 4-Bromofluorobenzene	109	66.6-132		%Rec	1	7/19/2017 12:45:12 AM	32814

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

<b>Qualifiers:</b>	*	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 1707627

Date Reported: 7/19/2017

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SC-5

**Project:** DJR Marus Compressor Station

**Collection Date:** 7/11/2017 11:16:00 AM

**Lab ID:** 1707627-005

**Matrix:** SOIL

**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>MAB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/18/2017 7:51:35 AM	32810
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2017 7:51:35 AM	32810
Surr: DNOP	71.4	70-130		%Rec	1	7/18/2017 7:51:35 AM	32810
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Surr: BFB	94.8	54-150		%Rec	1	7/19/2017 1:08:41 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Toluene	ND	0.047		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Xylenes, Total	ND	0.095		mg/Kg	1	7/19/2017 1:08:41 AM	32814
Surr: 4-Bromofluorobenzene	108	66.6-132		%Rec	1	7/19/2017 1:08:41 AM	32814

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

**Analytical Report**

Lab Order 1707627

Date Reported: 7/19/2017

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SC-6

**Project:** DJR Marus Compressor Station

**Collection Date:** 7/11/2017 11:20:00 AM

**Lab ID:** 1707627-006

**Matrix:** SOIL

**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/18/2017 4:02:52 PM	32836
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2017 4:02:52 PM	32836
Surr: DNOP	84.6	70-130		%Rec	1	7/18/2017 4:02:52 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: BFB	94.9	54-150		%Rec	1	7/19/2017 1:32:10 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Toluene	ND	0.047		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Xylenes, Total	ND	0.093		mg/Kg	1	7/19/2017 1:32:10 AM	32814
Surr: 4-Bromofluorobenzene	108	66.6-132		%Rec	1	7/19/2017 1:32:10 AM	32814

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

<b>Qualifiers:</b>	* 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

**Analytical Report**

Lab Order 1707627

Date Reported: 7/19/2017

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental Services

**Client Sample ID:** SC-7

**Project:** DJR Marus Compressor Station

**Collection Date:** 7/11/2017 11:43:00 AM

**Lab ID:** 1707627-007

**Matrix:** SOIL

**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	33	9.5		mg/Kg	1	7/18/2017 5:28:10 PM	32836
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/18/2017 5:28:10 PM	32836
Surr: DNOP	81.1	70-130		%Rec	1	7/18/2017 5:28:10 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: BFB	97.1	54-150		%Rec	1	7/19/2017 1:55:41 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Toluene	ND	0.049		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Xylenes, Total	ND	0.097		mg/Kg	1	7/19/2017 1:55:41 AM	32814
Surr: 4-Bromofluorobenzene	110	66.6-132		%Rec	1	7/19/2017 1:55:41 AM	32814

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

<b>Qualifiers:</b>	* 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

Analytical Report

Lab Order 1707627

Date Reported: 7/19/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: SC-8

Project: DJR Marus Compressor Station

Collection Date: 7/11/2017 11:46:00 AM

Lab ID: 1707627-008

Matrix: SOIL

Received Date: 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/18/2017 5:57:35 PM	32836
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/18/2017 5:57:35 PM	32836
Surr: DNOP	71.6	70-130		%Rec	1	7/18/2017 5:57:35 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: BFB	98.1	54-150		%Rec	1	7/19/2017 2:19:08 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Toluene	ND	0.048		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Xylenes, Total	ND	0.096		mg/Kg	1	7/19/2017 2:19:08 AM	32814
Surr: 4-Bromofluorobenzene	109	66.6-132		%Rec	1	7/19/2017 2:19:08 AM	32814

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

<b>Qualifiers:</b>	* 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.**

**CLIENT:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station  
**Lab ID:** 1707627-009

**Client Sample ID:** SC-9  
**Collection Date:** 7/11/2017 11:50:00 AM  
**Matrix:** SOIL  
**Received Date:** 7/13/2017 7:10:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	510	9.7		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Motor Oil Range Organics (MRO)	400	49		mg/Kg	1	7/18/2017 6:26:56 PM	32836
Surr: DNOP	88.7	70-130		%Rec	1	7/18/2017 6:26:56 PM	32836
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	30	25		mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: BFB	151	54-150	S	%Rec	5	7/19/2017 2:42:40 AM	32814
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Toluene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Ethylbenzene	ND	0.25	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Xylenes, Total	ND	0.49	D	mg/Kg	5	7/19/2017 2:42:40 AM	32814
Surr: 4-Bromofluorobenzene	116	66.6-132	D	%Rec	5	7/19/2017 2:42:40 AM	32814

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#: 1707627

19-Jul-17

**Client:** Animas Environmental Services

**Project:** DJR Marus Compressor Station

Sample ID	<b>MB-32805</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>32805</b>	RunNo:	<b>44252</b>					
Prep Date:	<b>7/14/2017</b>	Analysis Date:	<b>7/17/2017</b>	SeqNo:	<b>1397598</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		96.3	70	130			

Sample ID	<b>LCS-32805</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>32805</b>	RunNo:	<b>44252</b>					
Prep Date:	<b>7/14/2017</b>	Analysis Date:	<b>7/17/2017</b>	SeqNo:	<b>1397654</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	70	130			

Sample ID	<b>LCS-32810</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>32810</b>	RunNo:	<b>44252</b>					
Prep Date:	<b>7/14/2017</b>	Analysis Date:	<b>7/17/2017</b>	SeqNo:	<b>1397734</b>	Units:	<b>mg/Kg</b>			
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	73.2	114			
Surr: DNOP	4.5		5.000		90.1	70	130			

Sample ID	<b>MB-32810</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>32810</b>	RunNo:	<b>44252</b>					
Prep Date:	<b>7/14/2017</b>	Analysis Date:	<b>7/17/2017</b>	SeqNo:	<b>1397735</b>	Units:	<b>mg/Kg</b>			
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	9.3		10.00		93.0	70	130			

Sample ID	<b>1707627-006AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>SC-6</b>	Batch ID:	<b>32836</b>	RunNo:	<b>44282</b>					
Prep Date:	<b>7/17/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399664</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	9.7	48.40	6.281	116	55.8	122			
Surr: DNOP	4.4		4.840		91.8	70	130			

Sample ID	<b>1707627-006AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8015M/D: Diesel Range Organics</b>					
Client ID:	<b>SC-6</b>	Batch ID:	<b>32836</b>	RunNo:	<b>44282</b>					
Prep Date:	<b>7/17/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399665</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	9.7	48.40	6.281	116	55.8	122	0.375	20	

**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#: 1707627  
 19-Jul-17

**Client:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station

Sample ID	1707627-006AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SC-6	Batch ID:	32836	RunNo:	44282					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399665	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		4.840		92.0	70	130	0	0	

Sample ID	LCS-32836	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	32836	RunNo:	44282					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399678	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	107	73.2	114			
Surr: DNOP	4.4		5.000		88.8	70	130			

Sample ID	MB-32836	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	32836	RunNo:	44282					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399679	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	8.4		10.00		84.4	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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#: 1707627

19-Jul-17

**Client:** Animas Environmental Services

**Project:** DJR Marus Compressor Station

Sample ID	<b>MB-32828</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>32828</b>	RunNo:	<b>44294</b>					
Prep Date:	<b>7/17/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399599</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.8	54	150			

Sample ID	<b>LCS-32828</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>32828</b>	RunNo:	<b>44294</b>					
Prep Date:	<b>7/17/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399600</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	54	150			

Sample ID	<b>LCSD-32828</b>	SampType:	<b>LCSD</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS02</b>	Batch ID:	<b>32828</b>	RunNo:	<b>44294</b>					
Prep Date:	<b>7/17/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399601</b>	Units:	<b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000							0	0	

Sample ID	<b>MB-32814</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>PBS</b>	Batch ID:	<b>32814</b>	RunNo:	<b>44294</b>					
Prep Date:	<b>7/14/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399613</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	54	150			

Sample ID	<b>LCS-32814</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>LCSS</b>	Batch ID:	<b>32814</b>	RunNo:	<b>44294</b>					
Prep Date:	<b>7/14/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399614</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.6	76.4	125			
Surr: BFB	1100		1000		107	54	150			

Sample ID	<b>1707627-002AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8015D: Gasoline Range</b>					
Client ID:	<b>SC-2</b>	Batch ID:	<b>32814</b>	RunNo:	<b>44294</b>					
Prep Date:	<b>7/14/2017</b>	Analysis Date:	<b>7/18/2017</b>	SeqNo:	<b>1399617</b>	Units:	<b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.63	2.963	80.9	77.8	128			
Surr: BFB	1200		985.2		126	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#: 1707627

19-Jul-17

**Client:** Animas Environmental Services

**Project:** DJR Marus Compressor Station

Sample ID	1707627-002AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SC-2	Batch ID:	32814	RunNo:	44294					
Prep Date:	7/14/2017	Analysis Date:	7/18/2017	SeqNo:	1399618	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.85	2.963	94.3	77.8	128	14.2	20	
Surr: BFB	1200		994.0		121	54	150	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 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#: 1707627  
19-Jul-17

**Client:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station

Sample ID <b>MB-32828</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399633</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		108	66.6	132			

Sample ID <b>LCS-32828</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399634</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132			

Sample ID <b>LCSD-32828</b>	SampType: <b>LCSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS02</b>	Batch ID: <b>32828</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/17/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399635</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132	0		

Sample ID <b>MB-32814</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>32814</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399647</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		113	66.6	132			

Sample ID <b>LCS-32814</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>32814</b>		RunNo: <b>44294</b>							
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>		SeqNo: <b>1399648</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.5	80	120			
Toluene	0.96	0.050	1.000	0	96.2	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	66.6	132			

**Qualifiers:**

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- 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#: 1707627  
19-Jul-17

**Client:** Animas Environmental Services  
**Project:** DJR Marus Compressor Station

Sample ID: <b>1707627-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SC-1</b>	Batch ID: <b>32814</b>	RunNo: <b>44294</b>								
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>	SeqNo: <b>1399650</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9728	0	100	80.9	132			
Toluene	0.96	0.049	0.9728	0.01598	97.3	79.8	136			
Ethylbenzene	0.98	0.049	0.9728	0.01601	99.2	79.4	140			
Xylenes, Total	2.9	0.097	2.918	0.01861	100	78.5	142			
Surr: 4-Bromofluorobenzene	1.1		0.9728		116	66.6	132			

Sample ID: <b>1707627-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SC-1</b>	Batch ID: <b>32814</b>	RunNo: <b>44294</b>								
Prep Date: <b>7/14/2017</b>	Analysis Date: <b>7/18/2017</b>	SeqNo: <b>1399651</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9597	0	101	80.9	132	0.874	20	
Toluene	0.94	0.048	0.9597	0.01598	96.8	79.8	136	1.87	20	
Ethylbenzene	0.96	0.048	0.9597	0.01601	98.0	79.4	140	2.56	20	
Xylenes, Total	2.9	0.096	2.879	0.01861	98.6	78.5	142	3.14	20	
Surr: 4-Bromofluorobenzene	1.1		0.9597		115	66.6	132	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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
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- P Sample pH Not In Range
- RL Reporting Detection Limit
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Hall Environmental Analysis Laboratory  
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 Albuquerque, NM 87109  
 TEL: 505-345-3975 FAX: 505-345-4107  
 Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: **Animas Environmental**

Work Order Number: **1707627**

ReptNo: **1**

Received By: **Anne Thorne** 7/13/2017 7:10:00 AM  
 Completed By: **Erin Melendrez** 7/13/2017 11:53:15 AM  
 Reviewed By: **ENM/ML** 7/14/17

*Anne Thorne*  
*Erin Melendrez*

**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? 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? 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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

**Cooler Information**

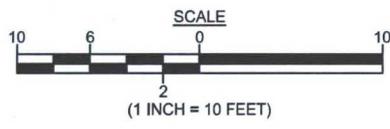
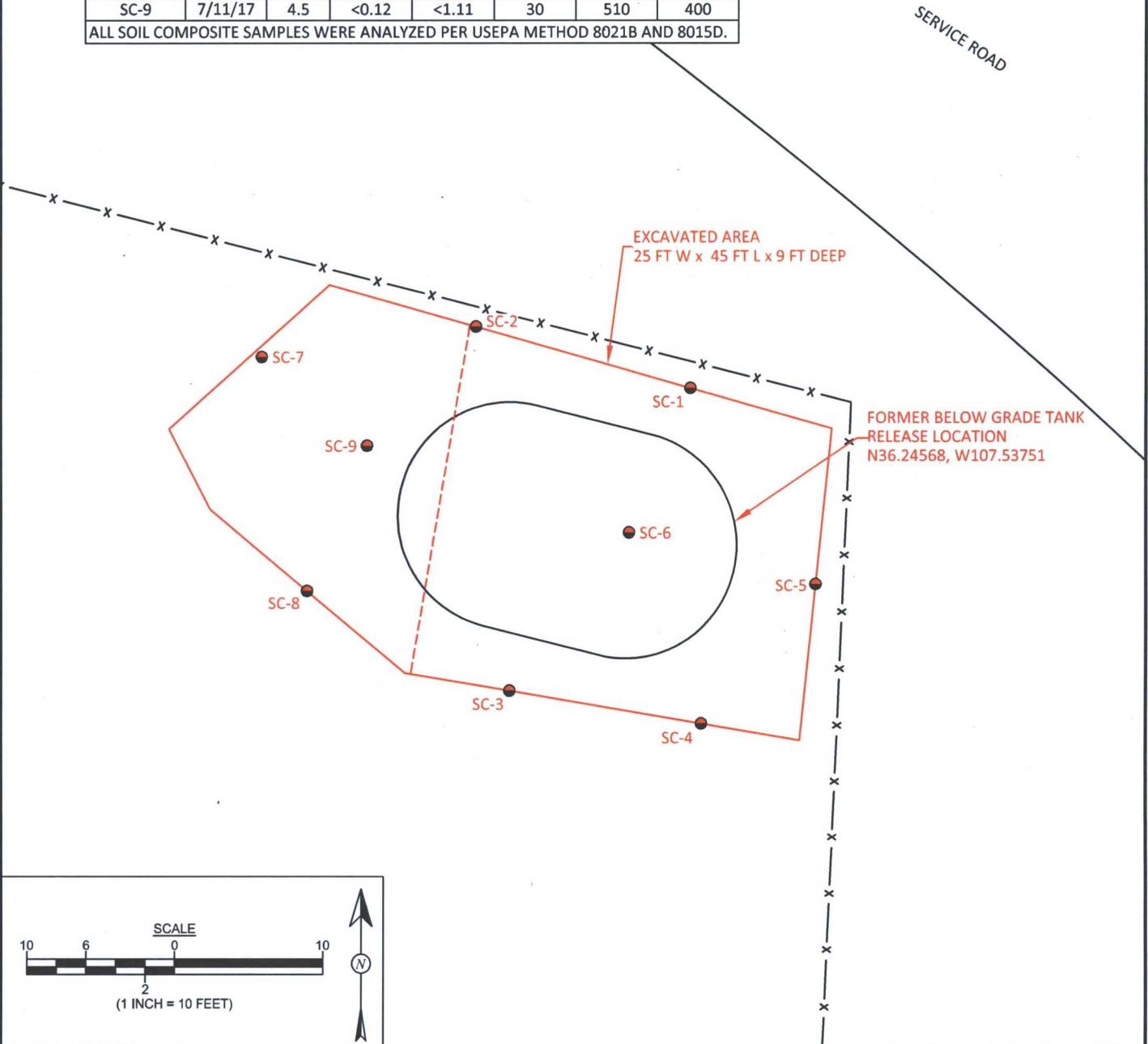
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good	Yes			



Laboratory Analytical Results							
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)
<b>NMOC ACTION LEVEL</b>			<b>10</b>	<b>50</b>	<b>5,000</b>		
SC-1	7/11/17	0 to 9	<0.024	<0.216	<4.8	72	60
SC-2	7/11/17	0 to 9	<0.024	<0.217	<4.8	200	180
SC-3	7/11/17	0 to 9	<0.024	<0.220	<4.9	<10	<50
SC-4	7/11/17	0 to 9	<0.024	<0.216	<4.8	20	<47
SC-5	7/11/17	0 to 9	<0.024	<0.213	<4.7	<9.9	<50
SC-6	7/11/17	9	<0.023	<0.210	<4.7	<10	<50
SC-7	7/11/17	0 to 4.5	<0.024	<0.219	<4.9	33	<48
SC-8	7/11/17	0 to 4.5	<0.024	<0.246	<4.8	<9.5	<48
SC-9	7/11/17	4.5	<0.12	<1.11	30	510	400

ALL SOIL COMPOSITE SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 8015D.

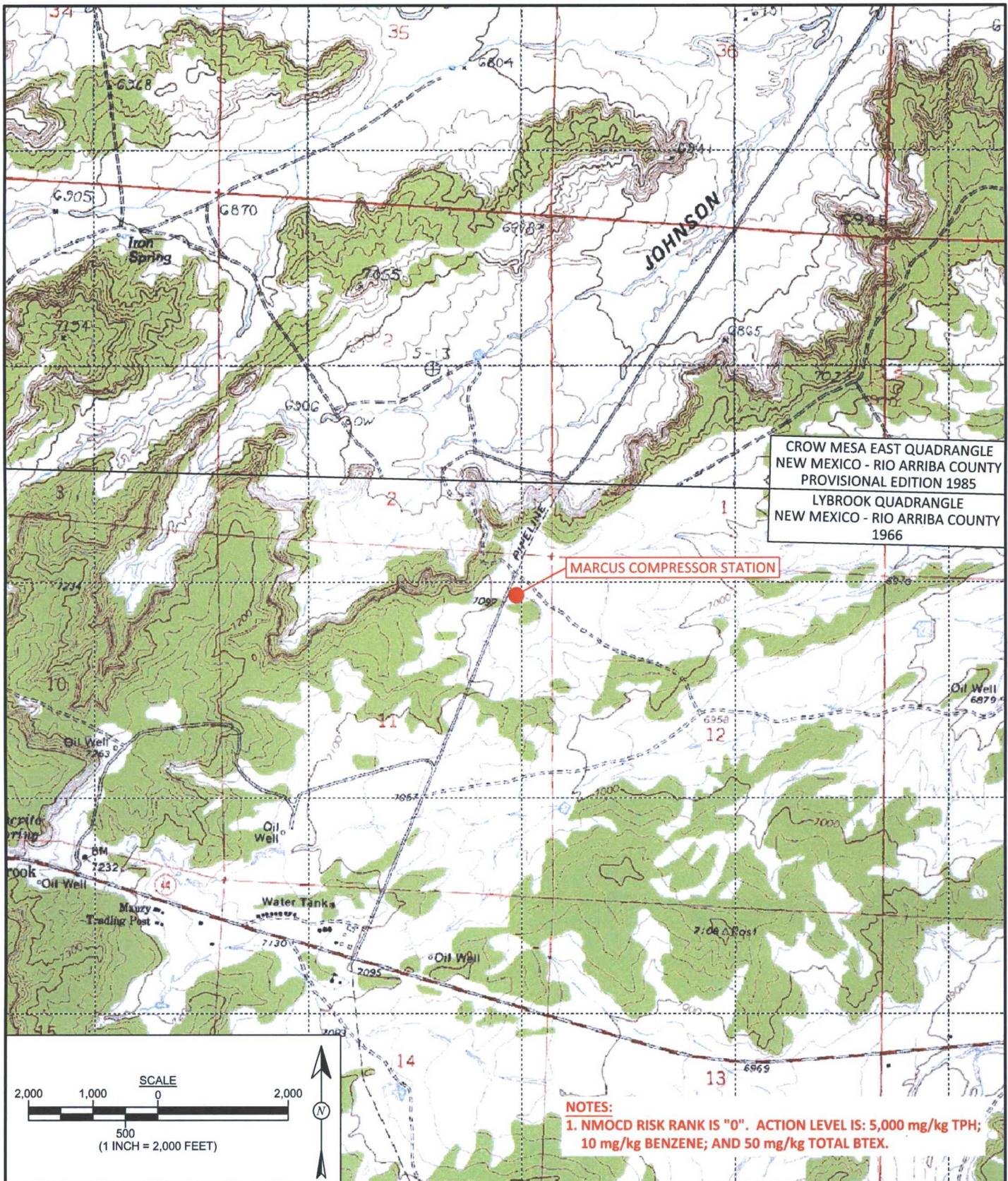
LEGEND	
	SAMPLE LOCATIONS
	SECONDARY CONTAINMENT BERM
	FENCE



**animas environmental services**  
Farmington, NM • Durango, CO  
animasenvironmental.com

<b>DRAWN BY:</b> S. Glasses	<b>DATE DRAWN:</b> July 12, 2017
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> July 20, 2017
<b>CHECKED BY:</b> E. McNally	<b>DATE CHECKED:</b> July 20, 2017
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> July 20, 2017

**FIGURE 3**  
**FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS JULY 2017**  
DJ RECSOURCES  
MARCUS COMPRESSOR STATION  
NE¼ NE¼, SECTION 11, T23N, R7W  
RIO ARRIBA COUNTY, NEW MEXICO  
N36.24546, W107.53805



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animasenvironmental.com

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> July 5, 2017
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> July 20, 2017
<b>CHECKED BY:</b> E. McNally	<b>DATE CHECKED:</b> July 20, 2017
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> July 20, 2017

**FIGURE 1**  
**TOPOGRAPHIC SITE LOCATION MAP**  
DJ RESOURCES  
MARCUS COMPRESSOR STATION  
NE¼ NE¼, SECTION 11, T23N, R7W  
RIO ARRIBA COUNTY, NEW MEXICO  
N36.24546, W107.53805





