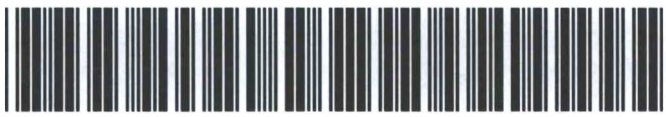
AE Order Number Banner

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

DJR OPERATING, LLC

5/4/2018

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

NMOCD
MAY 02 2018
DISTRICT III

Form C-141
Revised April 3, 2017
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: **DJR Operating, LLC**	Contact: **Amy Archuleta**
Address: **PO BOX 156 Bloomfield, NM 87413**	Telephone No.: **505-632-3476 x201**
Facility Name: **S. Lybrook 9, 11, and 15 Flowline**	Facility Type: **Flowline**

Surface Owner: **Federal**	Mineral Owner: **N/A**	API No.: **N/A**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
NE/SE (I)	**18**	**23N**	**06W**	**N/A**		**N/A**		**Rio Arriba**

Latitude 36.222833 **Longitude** -107.505378 NAD83

NATURE OF RELEASE

Type of Release **Gas Flowline leak**	Volume of Release **412 MCF**	Volume Recovered **40 Yrds Soil**
Source of Release **1 1/2" split in flowline**	Date and Hour of Occurrence **2-27-18**	Date and Hour of Discovery **4:30 PM**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Cory Smith, Vanessa Fields, Whitney Thomas**	
By Whom? **Amy Archuleta**	Date and Hour **2-27-18 6:41PM via Email.**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A midstream operator was doing some work around this area and his gas meter detected gas. He immediately shut the 3 wells that flow through that pipeline in and began investigating this leak. They discovered a split in the flowline approx. 1-1/2" long and repaired it.

Describe Area Affected and Cleanup Action Taken.*
On 3-2-18 (after one-call) they excavated 40 bbls of soil and took it to IEI's land farm. This area has a total ranking score of 10. We sprayed this location with an oxidization agent (please see attached). We used soil purchased from Envirotech to backfill the location.

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

Signature:	OIL CONSERVATION DIVISION
Printed Name: **Amy Archuleta**	Approved by Environmental Specialist:
Title: **Regulatory Supervisor**	Approval Date: 5/4/18 Expiration Date:
E-mail Address: **aarchuleta@djrllc.com**	Conditions of Approval: — Attached ☐
Date: **4-26-18** Phone: **505-632-3476 x201**	

* Attach Additional Sheets If Necessary

#NCS1812442954

29

MICROBIAL ENERGY INC.

DJR Production Upstream Remediation Final Report

Prepared for: Amy Archuleta, *HS&E Supervisor*
Location: DJR South Lybrook 11, 15, 9
Project: Environmental Remediation of Natural Gas Release

Background

Sample Collection Date: 3/29/2018

Microbial Contact Date: 4/16/2018

Initial Site Evaluation: 4/18/2018

Completion Date: 4/25/2018

- New Mexico Bureau of Land Management (BLM) requires all hydrocarbon ranges be below 1000 ppm.
- DJR previously excavated and hauled contaminated materials to OCD approved site for disposal
- DJR has already delivered soil to be used for backfill
- Form C-138 to be completed by DJR Operating

Estimated Action Plan for Closure

Being already approved by New Mexico Bureau of Land Management to use an oxidizing agent, Microbial Energy recommends using a 34% concentration of H_2O_2, better known as Hydrogen Peroxide. Hydrogen peroxide oxidizes hydrocarbons into mineralized products such as CO_2, salts, and readily available organic fragments. Being both relatively safe and cost-effective, Hydrogen Peroxide will save DJR additional capital.

With the use of hand tools, Microbial Energy plans to spray the solution onto the contaminated walls and base of the open pit. Once the pit is sprayed, the soil already on location can be used to backfill the pit pictured in the *Appendix*.

MICROBIAL ENERGY INC.

Estimated Steps to Complete

- Treat open pit with a 34% concentration of Hydrogen Peroxide (H_2O_2) oxidizing agent
- Backfill pit with soil provided by DJR Operating
- Reseed land if required or requested

Steps Conducted for Completion

- Truck with spray unit on location at 11:00 am on April 25, 2018.
- Barrier fence was removed and placed on work vehicle
- Hydrogen Peroxide oxidizer was sprayed for approximately 1.5 hours
- Sides of the open pit were scraped down with hand tools and mixed with Hydrogen Peroxide for maximum saturation of oxidizing chemical
- Skid steer loader arrived on location at 2:00 pm
- Approved backfill dirt was backfilled into place for approximately 1 hour completing job on April 25, 2018.

Initial Sampling

The following lab results were conducted by Hall Environmental Analysis Laboratory and were analyzed according to EPA procedures

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1803G11**
Date Reported: **4/10/2018**

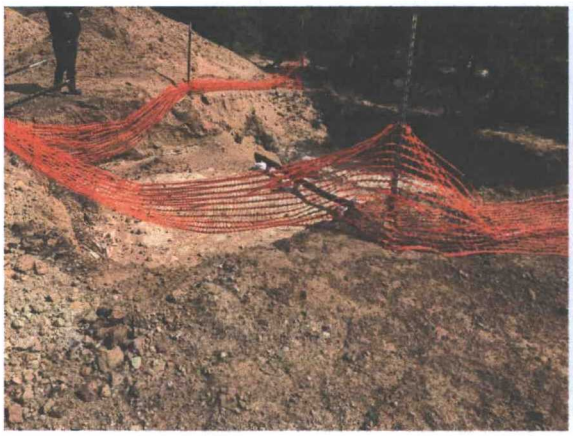
CLIENT: Animas Environmental Services
Client Sample ID: SC-1
Project: DJR S Lybrook 11, 15, 9
Collection Date: 3/29/2018 9:50:00 AM
Lab ID: 1803G11-001 **Matrix:** SOIL
Received Date: 3/30/2018 8:00:00 AM

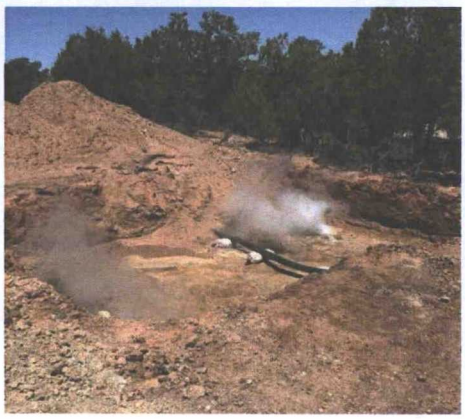
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	4/9/2018 1:27:44 PM	37490
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	1800	95		mg/Kg	10	4/3/2018 4:32:30 PM	37362
Motor Oil Range Organics (MRO)	740	470		mg/Kg	10	4/3/2018 4:32:30 PM	37362
Surr: DNOP	0	70-130	S	%Rec	10	4/3/2018 4:32:30 PM	37362
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	120	4.7		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Surr: BFB	914	15-316	S	%Rec	1	4/2/2018 8:59:38 PM	37344
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Toluene	ND	0.047		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Ethylbenzene	ND	0.047		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Xylenes, Total	ND	0.094		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	4/2/2018 8:59:38 PM	37344

MICROBIAL ENERGY INC.

Appendix

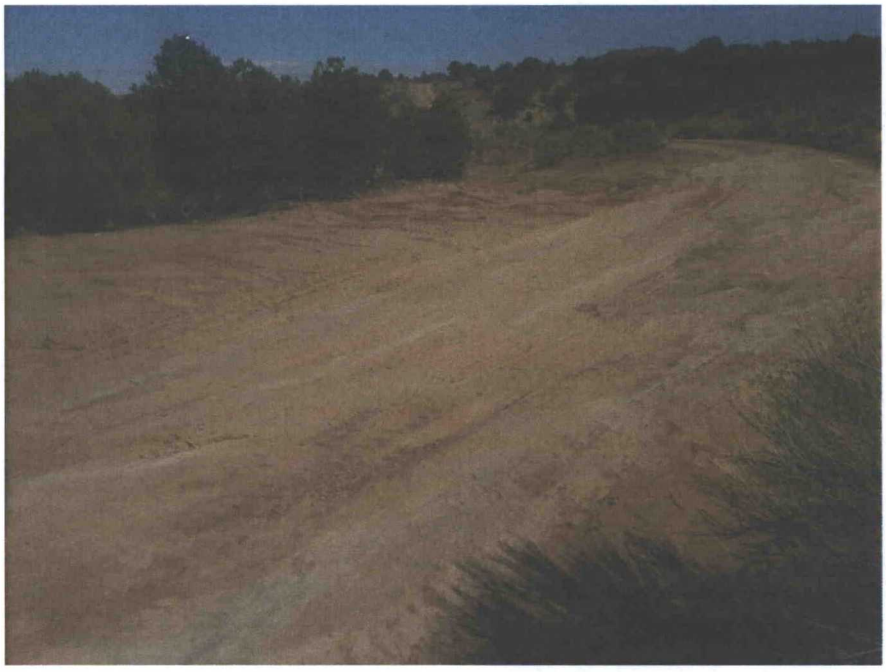
Before





MICROBIAL ENERGY INC.

After



animas environmental services

April 17, 2018

Amy Archuleta
Regulatory Supervisor
DJR Operating, LLC
PO Box 156
Bloomfield, New Mexico 87413

Sent via electronic mail to:
aarchuleta@djrllc.com

RE: Excavation Clearance Report
Lybrook South 9-11 & 15 Pipeline Release
Rio Arriba County, New Mexico

Dear Ms. Archuleta:

On March 29, 2018, Animas Environmental Services, LLC (AES) completed confirmation sampling of the excavated area associated with petroleum-contaminated soils at the DJR Operating (DJR) Lybrook South 9-11 & 15 pipeline release location. The initial excavation and sampling event was conducted by DJR personnel on March 13, 2018.

The laboratory analytical results confirmed that soil concentrations of benzene, toluene, ethyl-benzene and total xylenes (BTEX) were below the New Mexico Oil Conservation Division (NMOCD) action levels for the excavation side walls and base. Soil concentrations of total petroleum hydrocarbons (TPH) were also below NMOCD action levels for the excavation side walls, but exceeded action levels for the excavation base. DJR personnel continued the excavation until sandstone bedrock was encountered.

AES returned to the location for the final excavation and collection of confirmation soil samples. The excavation was completed by DJR contractors prior to AES personnel arriving to the location.

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

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

www.animasenvironmental.com

1.0 Site Information

1.1 Location

Legal Description – NW¼ SE¼, Section 18, T23N, R6W, Rio Arriba County, New Mexico
Release Latitude/Longitude – N36.22285 and W107.50539, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, March 2018

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 10 based on the following factors:

- **Depth to Groundwater:** A water well within the same section reported the depth to groundwater at 200 feet below ground surface (bgs). (0 points)
- **Wellhead Protection Area:** The release location is not within a wellhead protection area. (0 points)
- **Distance to Surface Water Body:** An unnamed drainage is located approximately 227 feet east of the location. (10 points)

1.3 Excavation Clearance

On March 29, 2018, DJR contractors completed an excavation of impacted soils as a result of a pipeline release, and AES personnel collected one composite soil confirmation sample for laboratory analysis from the base of the excavation area. The final excavation measured approximately 18 feet by 22 feet by 3 to 5 feet deep. Sample locations and final excavation extents are presented on Figure 3.

2.0 Soil Sampling

On March 29, 2018, one composite soil sample (SC-1) was collected from the base of the excavation and submitted for laboratory analysis.

2.1 Laboratory Analyses

The samples collected for laboratory analysis 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, Green Analytical Laboratories, in Durango, Colorado, and Hall

Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. The samples were laboratory analyzed for:

- BTEX per USEPA Method 8021;
- TPH as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO) per USEPA Method 8015 M/D; and
- Chlorides per USEPA Method 300.1

2.3 Laboratory Analytical Results

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

Table 1. Soil Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides
Excavation Area Sample Results, March 2018

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)	Chlorides (mg/kg)
NMOCD Action Level*			***10***	***50***		***1,000***		***NE***
S. Lybrook 11, 15, 9 'Base'	3/13/18	3	0.053	12.2	**256**	**2,390**	**313**	13.1
S. Lybrook 11, 15, 9 'Sides'	3/13/18	3 to 5	<0.050	<0.300	<10.0	<10.0	11.5	52.2
SC-1	3/29/18	3 to 5	0.023	<0.211	**120**	**1,800**	**740**	<30

*Action level determined by NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)*

3.0 Conclusions and Recommendations

Based on the final laboratory analytical results from March 13 and 29, 2018, of the excavation of petroleum contaminated soils at the Lybrook South 9-11 & 15 pipeline release, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final excavation, except for the base. TPH concentrations from the base of the excavation (sandstone) exceeded the NMOCD action level, with 2,660 mg/kg. On April 16, 2018, DJR received permission from NMOCD and BLM, to backfill the excavation after the application of a chemical oxidant to the base of the excavation. No additional work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Tami Knight, Project Lead, or 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, March 2018
Figure 3. Excavation Area Sample Locations and Results, March 2018
Green Analytical Laboratories Report 1803124-01
Hall Analytical Report 1803G11

C:\Users\emcnally\Dropbox (Animas Environmental)\0000 aes server client projects dropbox\2018 Client Projects\DJ Resources\Lybrook South 9-11 & 15 Pipeline Release Excavation Clearance\Lybrook South 9-11 & 15 Excavation Clearance Report 041718 TK EM.docx

DRAWN BY: C. Lameman	**DATE DRAWN:** April 11, 2018
REVISIONS BY: S. Glasses	**DATE REVISED:** April 12, 2018
CHECKED BY: T. Knight	**DATE CHECKED:** April 12, 2018
APPROVED BY: E. McNally	**DATE APPROVED:** April 12, 2018

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
DJR OPERATING
LYBROOK SOUTH 9-11 & 15 PIPELINE
NW¼ SE¼, SECTION 18, T23N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.22285, W107.50539

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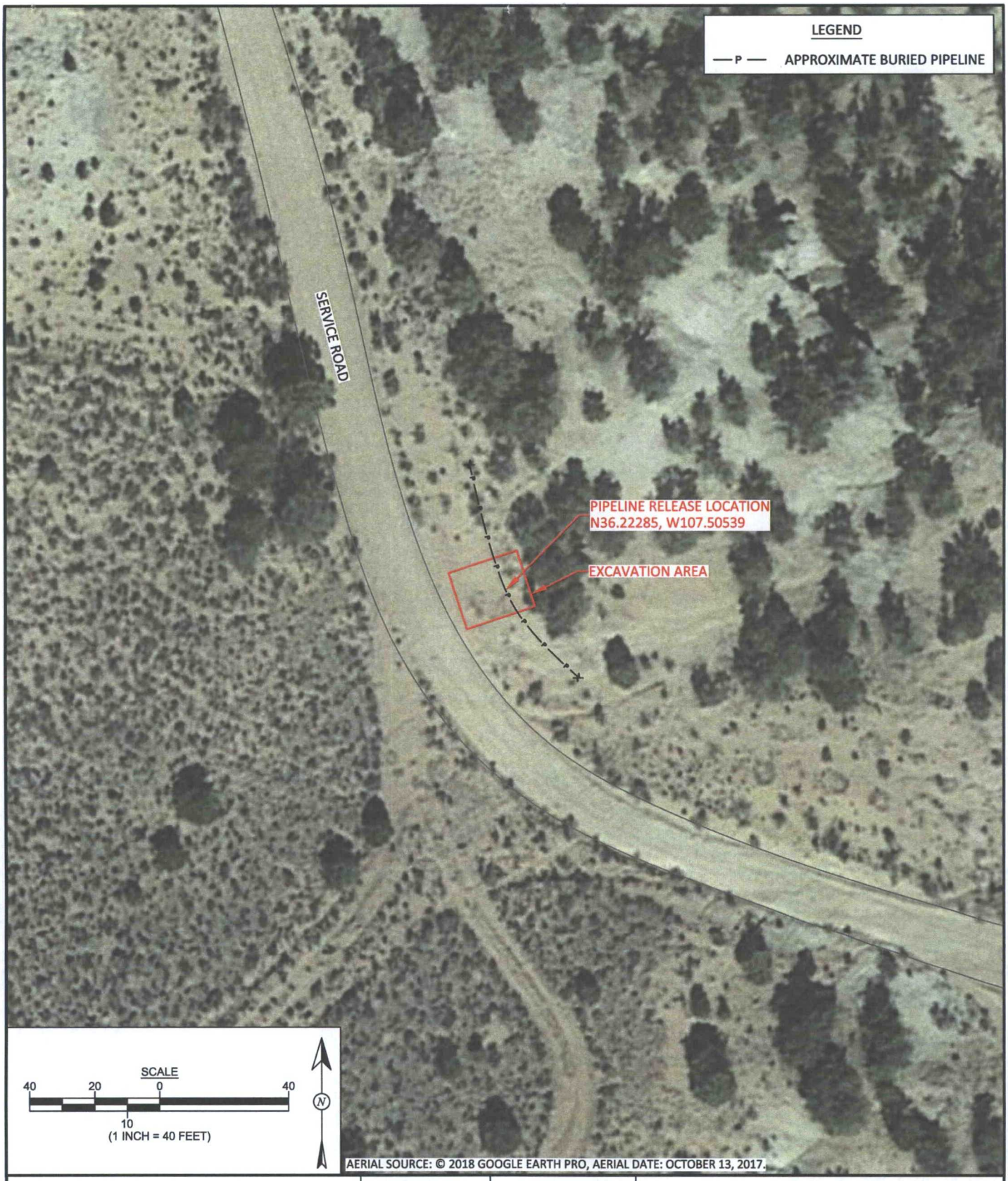

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DRAWN BY: C. Lameman	**DATE DRAWN:** April 11, 2018
REVISIONS BY: S. Glasses	**DATE REVISED:** April 12, 2018
CHECKED BY: T. Knight	**DATE CHECKED:** April 12, 2018
APPROVED BY: E. McNally	**DATE APPROVED:** April 12, 2018

FIGURE 2

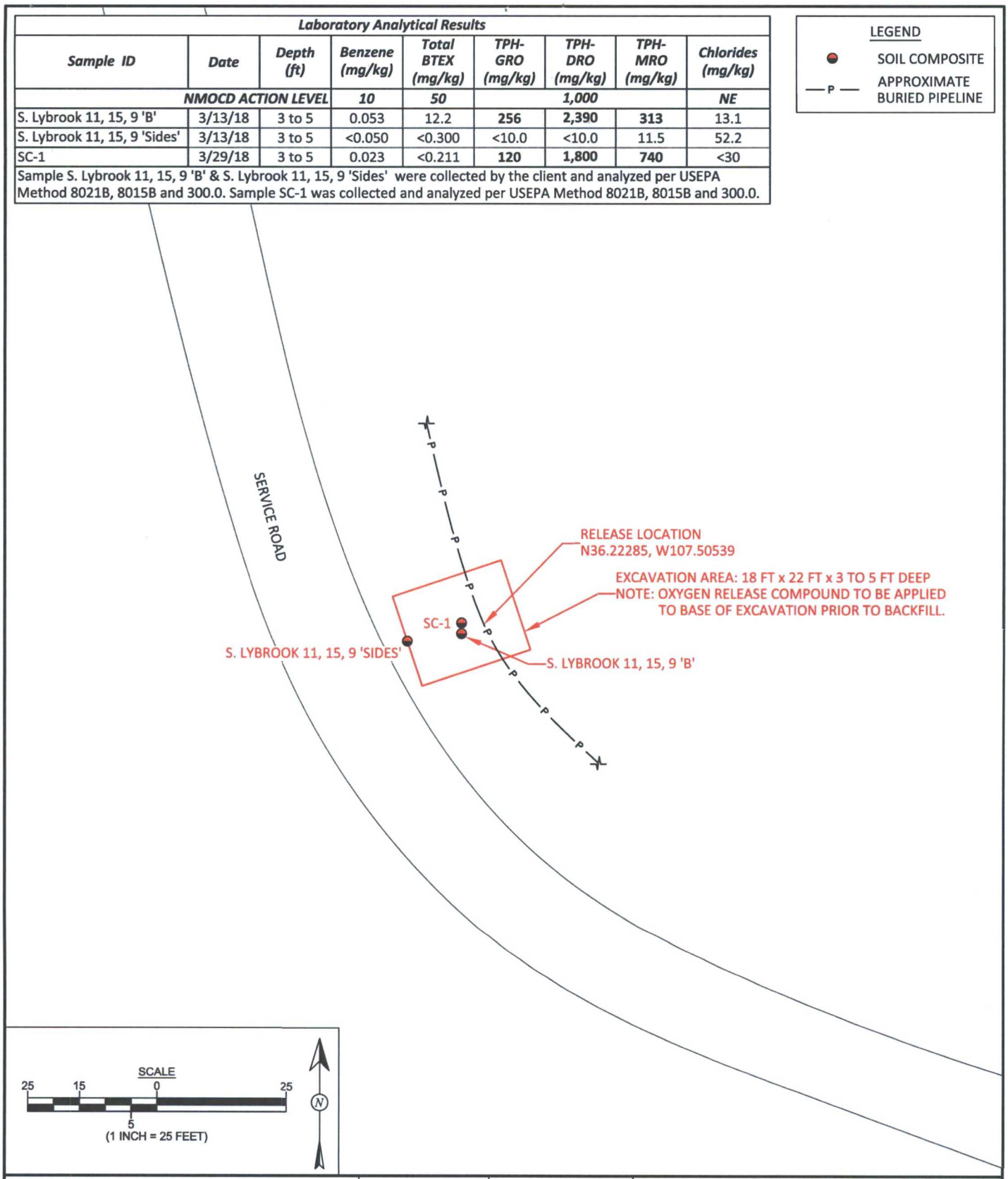
AERIAL SITE MAP
MARCH 2018
DJR OPERATING
LYBROOK SOUTH 9-11 & 15 PIPELINE
NW¼ SE¼, SECTION 18, T23N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.22285, W107.50539

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)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			10	50	1,000			NE
S. Lybrook 11, 15, 9 'B'	3/13/18	3 to 5	0.053	12.2	**256**	**2,390**	**313**	13.1
S. Lybrook 11, 15, 9 'Sides'	3/13/18	3 to 5	<0.050	<0.300	<10.0	<10.0	11.5	52.2
SC-1	3/29/18	3 to 5	0.023	<0.211	**120**	**1,800**	**740**	<30

Sample S. Lybrook 11, 15, 9 'B' & S. Lybrook 11, 15, 9 'Sides' were collected by the client and analyzed per USEPA Method 8021B, 8015B and 300.0. Sample SC-1 was collected and analyzed per USEPA Method 8021B, 8015B and 300.0.

LEGEND
- SOIL COMPOSITE
- —P— APPROXIMATE BURIED PIPELINE



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DRAWN BY: C. Lameman	DATE DRAWN: April 11, 2018
REVISIONS BY: S. Glasses	DATE REVISED: April 12, 2018
CHECKED BY: T. Knight	DATE CHECKED: April 12, 2018
APPROVED BY: E. McNally	DATE APPROVED: April 12, 2018

FIGURE 3

EXCAVATION AREA
SAMPLE LOCATIONS AND RESULTS
MARCH 2018
DJR OPERATING
LYBROOK SOUTH 9-11 & 15 PIPELINE
NW¼ SE¼, SECTION 18, T23N, R6W
RIO ARRIBA COUNTY, NEW MEXICO
N36.22285, W107.50539

Green Analytical Laboratories

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

21 March 2018

Amy Archuleta
DJR Operating
#20 CR 5060
Bloomfield, NM 87413

RE: BTEX,TPH, Cl

Enclosed are the results of analyses for samples received by the laboratory on 03/13/18 13:40. The data to follow was performed, in whole or in part, by a subcontract laboratory with an additional report attached.

If you any any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.

Green Analytical Laboratories
dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: TR	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	03/21/18 09:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S. Lybrook 11, 15, 9 'B'	1803124-01	Solid	03/13/18 09:35	03/13/18 13:40
S. Lybrook 11, 15, 9 'Sides'	1803124-02	Solid	03/13/18 09:45	03/13/18 13:40

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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Green Analytical Laboratories
dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: TR	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	03/21/18 09:21

S. Lybrook 11, 15, 9 'B'

1803124-01 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**93.8**			%	1	03/16/18	EPA160.3/1684		LLG
Soluble (DI Water Extraction)									
Chloride	**13.1**	10.7	1.53	mg/kg dry	10	03/15/18	EPA300.0		JLM

Subcontracted -- **Cardinal Laboratories**

Volatile Organic Compounds by EPA Method 8021									**S-04**
Benzene*	**0.053**	0.050	0.002	mg/kg	50	03/16/18	8021B		MS
Toluene*	**0.769**	0.050	0.002	mg/kg	50	03/16/18	8021B		MS
Ethylbenzene*	**1.61**	0.050	0.004	mg/kg	50	03/16/18	8021B		MS
Total Xylenes*	**9.73**	0.150	0.010	mg/kg	50	03/16/18	8021B		MS
Total BTEX	**12.2**	0.300	0.018	mg/kg	50	03/16/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*161 %*	*72-148*		*03/16/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	**256**	10.0	5.30	mg/kg	1	03/16/18	8015B		MS
DRO >C10-C28*	**2390**	10.0	1.56	mg/kg	1	03/16/18	8015B		MS
EXT DRO >C28-C36	**313**	10.0	1.56	mg/kg	1	03/16/18	8015B		MS
Surrogate: 1-Chlorooctane			*102 %*	*41-142*		*03/16/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*107 %*	*37.6-147*		*03/16/18*	*8015B*		MS

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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Green Analytical Laboratories
dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: TR	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	03/21/18 09:21

S. Lybrook 11, 15, 9 'Sides'

1803124-02 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**93.6**			%	1	03/16/18	EPA160.3/1684		LLG
Soluble (DI Water Extraction)									
Chloride	**52.2**	10.7	1.53	mg/kg dry	10	03/15/18	EPA300.0		JLM
Subcontracted -- **Cardinal Laboratories**									
Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.002	mg/kg	50	03/16/18	8021B		MS
Toluene*	<0.050	0.050	0.002	mg/kg	50	03/16/18	8021B		MS
Ethylbenzene*	<0.050	0.050	0.004	mg/kg	50	03/16/18	8021B		MS
Total Xylenes*	<0.150	0.150	0.010	mg/kg	50	03/16/18	8021B		MS
Total BTEX	<0.300	0.300	0.018	mg/kg	50	03/16/18	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*72-148*		*03/16/18*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
GRO C6-C10*	<10.0	10.0	5.30	mg/kg	1	03/16/18	8015B		MS
DRO >C10-C28*	<10.0	10.0	1.56	mg/kg	1	03/16/18	8015B		MS
EXT DRO >C28-C36	**11.5**	10.0	1.56	mg/kg	1	03/16/18	8015B		MS
Surrogate: 1-Chlorooctane			*77.1 %*	*41-142*		*03/16/18*	*8015B*		MS
Surrogate: 1-Chlorooctadecane			*75.1 %*	*37.6-147*		*03/16/18*	*8015B*		MS

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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Green Analytical Laboratories
dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: TR	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	03/21/18 09:21

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B803091 - General Prep - Wet Chem										
Duplicate (B803091-DUP1)	**Source: 1803069-04**		Prepared: 03/14/18 Analyzed: 03/16/18							
% Dry Solids	34.6		%		33.9			2.04	20	

Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B803096 - General Prep - Wet Chem										
Blank (B803096-BLK1)			Prepared: 03/14/18 Analyzed: 03/16/18							
Chloride	ND	10.0	mg/kg wet							
LCS (B803096-BS1)			Prepared: 03/14/18 Analyzed: 03/15/18							
Chloride	225	10.0	mg/kg wet	250		90.1	85-115			
LCS Dup (B803096-BSD1)			Prepared: 03/14/18 Analyzed: 03/15/18							
Chloride	227	10.0	mg/kg wet	250		91.0	85-115	1.01	20	

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DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: TR	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	03/21/18 09:21

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8031604 - Volatiles										
Blank (8031604-BLK1)			Prepared & Analyzed: 03/16/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.102*		mg/kg	*0.100*		*102*	*72-148*			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
LCS (8031604-BS1)			Prepared & Analyzed: 03/16/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0966*		mg/kg	*0.100*		*96.6*	*72-148*			
Benzene	2.02	0.050	mg/kg	2.00		101	79.5-124			
Ethylbenzene	2.05	0.050	mg/kg	2.00		102	77.7-125			
Toluene	2.00	0.050	mg/kg	2.00		100	75.5-127			
Total Xylenes	6.00	0.150	mg/kg	6.00		100	70.9-124			
LCS Dup (8031604-BSD1)			Prepared & Analyzed: 03/16/18							
Surrogate: 4-Bromofluorobenzene (PID)	*0.101*		mg/kg	*0.100*		*101*	*72-148*			
Benzene	1.85	0.050	mg/kg	2.00		92.3	79.5-124	9.15	6.5	QR-02
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.7	77.7-125	7.82	7.83	
Toluene	1.86	0.050	mg/kg	2.00		93.2	75.5-127	7.32	7.02	QR-02
Total Xylenes	5.48	0.150	mg/kg	6.00		91.3	70.9-124	9.09	7.78	QR-02

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DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: TR	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	03/21/18 09:21

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8031602 - General Prep - Organics										
Blank (8031602-BLK1)			Prepared & Analyzed: 03/16/18							
Surrogate: 1-Chlorooctadecane	*46.0*		mg/kg	*50.0*		*92.0*	*37.6-147*			
Surrogate: 1-Chlorooctane	*47.5*		mg/kg	*50.0*		*94.9*	*41-142*			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
LCS (8031602-BS1)			Prepared & Analyzed: 03/16/18							
Surrogate: 1-Chlorooctadecane	*42.2*		mg/kg	*50.0*		*84.5*	*37.6-147*			
Surrogate: 1-Chlorooctane	*43.5*		mg/kg	*50.0*		*87.0*	*41-142*			
DRO >C10-C28	188	10.0	mg/kg	200		94.2	72.9-138			
GRO C6-C10	183	10.0	mg/kg	200		91.4	76.5-133			
Total TPH C6-C28	371	10.0	mg/kg	400		92.8	78-132			
LCS Dup (8031602-BSD1)			Prepared & Analyzed: 03/16/18							
Surrogate: 1-Chlorooctadecane	*43.4*		mg/kg	*50.0*		*86.9*	*37.6-147*			
Surrogate: 1-Chlorooctane	*45.2*		mg/kg	*50.0*		*90.4*	*41-142*			
DRO >C10-C28	196	10.0	mg/kg	200		98.0	72.9-138	3.87	20.6	
GRO C6-C10	188	10.0	mg/kg	200		94.1	76.5-133	2.93	20.6	
Total TPH C6-C28	384	10.0	mg/kg	400		96.1	78-132	3.41	18	

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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DJR Operating	Project: BTEX,TPH, Cl	
#20 CR 5060	Project Name / Number: TR	**Reported:**
Bloomfield NM, 87413	Project Manager: Amy Archuleta	03/21/18 09:21

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

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GAL Analytical Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(970) 247-4220 service@greenanalytical.com or dzufelt@greenanalytical.com
Fax: (970) 247-4227 75 Suttle St Durango, CO 81303

Company Name: DJR Operating LLC	Bill to (if different):
Project Manager: Amy Archuleta	P.O. #:
Address: PO Box 156	Company:
City: Bloomfield State: NM Zip: 87413	Attn:
Phone #: 505-632-3476 Email: aarchuleta@djrllc.com	Address:
Additional Report To:	City:
Project Name:	State: Zip:
Project Number: [redacted] TB-	Phone #:
Sampler Name (Print): Amy Archuleta	Fax or Email:

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one): GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers: No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	Other:	ANALYSIS REQUEST: 8015-GRO, MRO, DRO	8021B = BTEX	Chloride 300.0
1805174-01	S. Lybrook 11.15.9 "B"	3/13/18	9:35 am					X									X	X	X
-02	S. Lybrook 1115.9 "Side"	3/15/18	9:45 am														X	X	X

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 3/13/18 Time: 340	Received By: Christa Clark	ADDITIONAL REMARKS: 36/3.4°C #1 on ice DGO pc
Relinquished By: Christa Clark	Date: 3/13/18 Time: 1655	Received By: Kangaroo Express	Report to State? (Circle) Yes No
Relinquished By: Kangaroo Express	Date: 3-14-18 Time: 0827	Received By:	
Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other:		Temperature at reciept: 4.6 on ice	CHECKED BY: a

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Relinquished By:" as an acceptance of services and all applicable charges.

[redacted] 3 jars = Each Sample

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 10, 2018

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

RE: DJR S Lybrook 11, 15, 9 OrderNo.: 1803G11

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/30/2018 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1803G11**
Date Reported: **4/10/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Project: DJR S Lybrook 11, 15, 9
Lab ID: 1803G11-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 3/29/2018 9:50:00 AM
Received Date: 3/30/2018 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	30		mg/Kg	20	4/9/2018 1:27:44 PM	37490
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	1800	95		mg/Kg	10	4/3/2018 4:32:30 PM	37362
Motor Oil Range Organics (MRO)	740	470		mg/Kg	10	4/3/2018 4:32:30 PM	37362
Surr: DNOP	0	70-130	S	%Rec	10	4/3/2018 4:32:30 PM	37362
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	120	4.7		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Surr: BFB	914	15-316	S	%Rec	1	4/2/2018 8:59:38 PM	37344
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Toluene	ND	0.047		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Ethylbenzene	ND	0.047		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Xylenes, Total	ND	0.094		mg/Kg	1	4/2/2018 8:59:38 PM	37344
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	4/2/2018 8:59:38 PM	37344

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 Quanitative 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#: **1803G11**

10-Apr-18

Client: Animas Environmental Services

Project: DJR S Lybrook 11, 15, 9

Sample ID	**MB-37490**	SampType:	**mblk**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**37490**	RunNo:	**50408**					
Prep Date:	**4/9/2018**	Analysis Date:	**4/9/2018**	SeqNo:	**1634764**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-37490**	SampType:	**lcs**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**37490**	RunNo:	**50408**					
Prep Date:	**4/9/2018**	Analysis Date:	**4/9/2018**	SeqNo:	**1634765**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

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 Quanitative 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#: **1803G11**

10-Apr-18

Client: Animas Environmental Services

Project: DJR S Lybrook 11, 15, 9

Sample ID **LCS-37362**	SampType: **LCS**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **37362**			RunNo: **50269**					
Prep Date: **4/2/2018**	Analysis Date: **4/3/2018**			SeqNo: **1628774**	Units: **mg/Kg**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.5	70	130			
Surr: DNOP	3.8		5.000		75.4	70	130			

Sample ID **MB-37362**	SampType: **MBLK**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **37362**			RunNo: **50269**					
Prep Date: **4/2/2018**	Analysis Date: **4/3/2018**			SeqNo: **1628775**	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	8.9		10.00		89.2	70	130			

Sample ID **LCS-37405**	SampType: **LCS**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **37405**			RunNo: **50301**					
Prep Date: **4/3/2018**	Analysis Date: **4/4/2018**			SeqNo: **1630258**	Units: **%Rec**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		82.1	70	130			

Sample ID **MB-37405**	SampType: **MBLK**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **37405**			RunNo: **50301**					
Prep Date: **4/3/2018**	Analysis Date: **4/4/2018**			SeqNo: **1630259**	Units: **%Rec**				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.2		10.00		92.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative 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#: **1803G11**

10-Apr-18

Client: Animas Environmental Services
Project: DJR S Lybrook 11, 15, 9

Sample ID **MB-37344**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **37344**	RunNo: **50259**
Prep Date: **3/30/2018**	Analysis Date: **4/2/2018**	SeqNo: **1627779** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.5	15	316			

Sample ID **LCS-37344**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **37344**	RunNo: **50259**
Prep Date: **3/30/2018**	Analysis Date: **4/2/2018**	SeqNo: **1627780** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	75.9	131			
Surr: BFB	1100		1000		107	15	316			

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 Quanitative 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#: **1803G11**

10-Apr-18

Client: Animas Environmental Services
Project: DJR S Lybrook 11, 15, 9

Sample ID **MB-37344**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **37344**	RunNo: **50259**
Prep Date: **3/30/2018**	Analysis Date: **4/2/2018**	SeqNo: **1627797** Units: **mg/Kg**

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	0.88		1.000		87.9	80	120			

Sample ID **LCS-37344**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **37344**	RunNo: **50259**
Prep Date: **3/30/2018**	Analysis Date: **4/2/2018**	SeqNo: **1627798** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	77.3	128			
Toluene	1.0	0.050	1.000	0	99.8	79.2	125			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80.7	127			
Xylenes, Total	3.0	0.10	3.000	0	100	81.6	129			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.7	80	120			

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 Quanitative 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

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: **1803G11** RcptNo: **1**

Received By: **Sophia Campuzano** **3/30/2018 8:00:00 AM** Sophia Campuzano

Completed By: **Erin Melendrez** **3/30/2018 8:28:07 AM**

Reviewed By: DDS 3/30/18
LB: MW 3/30/18

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preserved added to bottles? Yes ☐ No ☑ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
10. Were any sample containers received broken? Yes ☐ No ☑

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? MW 3/30/18
Checked by: _____

11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

Special Handling (if applicable)

15. 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: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Yes			

Chain-of-Custody Record

Client: Animas Environmental Services, LLC

Turn-Around Time: X Standard ☐ Rush

Project Name: DJR S. Lybrook 11, 15, 9

Project #:

Mailing Address: 604 W Pinon St.
Farmington, NM 87401

Phone #: 505-564-2281

Email or Fax#: tknight@animasenvironmental.com

Project Manager: T. Knight

QA/QC Package: X Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other

☐ EDD (Type)

Sampler: CL

On Ice: X Yes ☐ No

Sample Temperature: 2.0 - 0.1(cf) = 1.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1803611	TPH (GRO/DRO/MRO) - 8015	8021B - BTEX	Chloride - 300.0	Air Bubbles (Y or N)
3/29/18	9:50	SOIL	SC-1	2 - 4 oz jar	cool	-001	X	X	X	

Date	Time	Relinquished by:	Received by:	Date	Time
3/29/18	1530			3/29/18	1530
3/29/18	1745			03/30/18	0800

Remarks: Please call with any questions

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