



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

Form C-141
Revised April 3, 2017

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

DISTRICT III

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: Carson Yard Storage (South Side)	Facility Type: Storage Yard

Surface Owner: Federal	Mineral Owner: N/A	API No.: N/A
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LOCATION OF RELEASE

Unit Letter NE/NE	Section 24	Township 25N	Range 12W	Feet from the	North/South Line	Feet from the	East/West Line	County
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Latitude **36.39366** Longitude **-108.0555** NAD83

NATURE OF RELEASE

Type of Release Historic (Tank Storage)	Volume of Release Unknown	Volume Recovered Unknown
Source of Release Tank storage	Date and Hour of Occurrence 11-14-17	Date and Hour of Discovery 4:00 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Thomas Vermersch	
By Whom? Amy Archuleta	Date and Hour 11-15-17 at 2:23PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

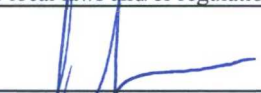
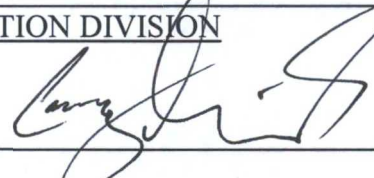
Describe Cause of Problem and Remedial Action Taken.*

Storage Tanks located on the south side of the fenced Carson Yard. While removing these historic tanks, we found contaminated soil beneath them. A total of 10 tanks were removed and taken to the CBU storage yard. Animas Environmental was on location as we removed the contaminated soil and disposed of the soil at IEL's land farm.

Describe Area Affected and Cleanup Action Taken.*

This area was cleaned, tested and backfilled. Approximately 220 yds of soil was purchased from Envirotech's land farm and was used to backfill this location. The sample results and photos are attached. No further action is needed.

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@elmridge.net	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 03-06-18 Phone: 505-632-3476 x201		

* Attach Additional Sheets If Necessary

#NCS1801652609

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Field Sampling Results				
Sample ID	Date	Depth (ft)	OVN-PID (ppm)	TPH (mg/kg)
NMOC ACTION LEVEL			100	5,000
P1-SC1	12/7/17	3 to 4	0.0	2,060
P1-SC2	12/7/17	4	0.0	654
P2-TH1	12/7/17	13	1,726	714
P3-SC1	12/7/17	0 to 4	0.0	40.2
P3-SC2	12/7/17	0 to 4	0.0	95.1
P3-SC3	12/7/17	0 to 6	0.0	59.4
P3-SC4	12/7/17	0 to 6	0.0	143
P3-SC5	12/7/17	0 to 4	0.0	230
P3-SC6	12/7/17	0 to 4	0.0	23.7
P3-SC7	12/7/17	4 to 6	0.0	59.4
P3-SC8	12/7/17	4 to 6	0.0	51.2
P4-SC1	12/7/17	0 to 4	1.0	132
P4-SC2	12/7/17	0 to 5	0.6	71.8
P4-SC3	12/7/17	0 to 1.5	40.4	745
P4-SC4	12/7/17	0 to 2	0.0	<20.0
P4-SC5	12/7/17	0 to 3	3.6	367
P4-SC6	12/7/17	0 to 3	0.0	<20.0
P4-SC7	12/7/17	0 to 3	0.0	69.0
P4-SC8	12/7/17	3 to 5	26.1	78.7
P4-SC9	12/7/17	3 to 5	240	3,640
P4-SC10	12/7/17	1 to 5	5.4	69.0

ALL SAMPLES WERE COMPOSITE SAMPLES EXCEPT P2-TH1.

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)
NMOC ACTION LEVEL			10	50	5,000		
P2-TH1	12/13/17	13	<0.12	6.25	120	510	240
P3-SC1	12/13/17	0 to 4	<0.025	<0.225	<5.0	17	58
P3-SC2	12/13/17	0 to 4	<0.025	<0.221	<4.9	190	430
P3-SC3	12/13/17	0 to 6	<0.025	<0.222	<4.9	20	64
P3-SC4	12/13/17	0 to 6	<0.025	<0.225	<5.0	81	240
P3-SC5	12/13/17	0 to 4	<0.024	<0.219	<4.9	<9.5	<48
P3-SC6	12/13/17	0 to 4	<0.025	<0.222	<4.9	12	48
P3-SC7	12/13/17	4 to 6	<0.025	<0.224	<5.0	17	<50
P3-SC8	12/13/17	4 to 6	<0.023	<0.211	<4.7	47	120
P4-SC8	12/13/17	3 to 5	<0.024	<0.217	<4.8	26	65
P4-SC9	12/13/17	3 to 5	<0.12	<1.05	<23	1,200	1,100
P4-SC10	12/13/17	1 to 5	<0.023	<0.211	<4.7	16	<47
P5-SC1	12/13/17	4 to 5	<0.024	<0.219	<4.9	68	200
P6-SC1	12/13/17	4 to 5	<0.12	7.01	140	760	490

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

FIGURE 3

EXCAVATION AREA SAMPLE LOCATIONS AND RESULTS
DECEMBER 2017
 DJR OPERATING
 CARSON YARD
 NE¼ NE¼, SECTION 24, T25N, R12W
 SAN JUAN COUNTY, NEW MEXICO
 N36.39368, W108.05502

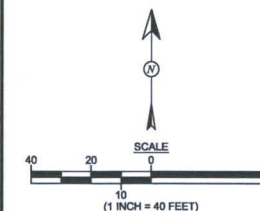


animas environmental services
 Farmington, NM • Durango, CO
 animasenvironmental.com

DRAWN BY: C. Lameman	DATE DRAWN: December 22, 2017
REVISIONS BY: C. Lameman	DATE REVISED: December 22, 2017
CHECKED BY: T. Knight	DATE CHECKED: December 22, 2017
APPROVED BY: E. McNally	DATE APPROVED: December 22, 2017

LEGEND

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





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

December 21, 2017

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

RE: DJR Carson Yard

OrderNo.: 1712848

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 14 sample(s) on 12/14/2017 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", with a stylized flourish at the end.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1712848

Date Reported: 12/21/2017

CLIENT: Animas Environmental Services

Client Sample ID: P3-SC-4

Project: DJR Carson Yard

Collection Date: 12/13/2017 1:46:00 PM

Lab ID: 1712848-001

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	81	9.5		mg/Kg	1	12/19/2017 7:44:54 PM	35562
Motor Oil Range Organics (MRO)	240	48		mg/Kg	1	12/19/2017 7:44:54 PM	35562
Surr: DNOP	105	70-130		%Rec	1	12/19/2017 7:44:54 PM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/18/2017 9:20:27 PM	35539
Surr: BFB	92.3	15-316		%Rec	1	12/18/2017 9:20:27 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/18/2017 9:20:27 PM	35539
Toluene	ND	0.050		mg/Kg	1	12/18/2017 9:20:27 PM	35539
Ethylbenzene	ND	0.050		mg/Kg	1	12/18/2017 9:20:27 PM	35539
Xylenes, Total	ND	0.10		mg/Kg	1	12/18/2017 9:20:27 PM	35539
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	12/18/2017 9:20:27 PM	35539

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1712848

Date Reported: 12/21/2017

CLIENT: Animas Environmental Services

Client Sample ID: P3-SC-5

Project: DJR Carson Yard

Collection Date: 12/13/2017 1:51:00 PM

Lab ID: 1712848-002

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/19/2017 8:28:45 PM	35562
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/19/2017 8:28:45 PM	35562
Surr: DNOP	101	70-130		%Rec	1	12/19/2017 8:28:45 PM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2017 9:44:06 PM	35539
Surr: BFB	82.5	15-316		%Rec	1	12/18/2017 9:44:06 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/18/2017 9:44:06 PM	35539
Toluene	ND	0.049		mg/Kg	1	12/18/2017 9:44:06 PM	35539
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2017 9:44:06 PM	35539
Xylenes, Total	ND	0.097		mg/Kg	1	12/18/2017 9:44:06 PM	35539
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	1	12/18/2017 9:44:06 PM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: P3-SC-2

Project: DJR Carson Yard

Collection Date: 12/13/2017 1:57:00 PM

Lab ID: 1712848-003

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	190	9.5		mg/Kg	1	12/20/2017 12:40:55 PM	35562
Motor Oil Range Organics (MRO)	430	48		mg/Kg	1	12/20/2017 12:40:55 PM	35562
Surr: DNOP	113	70-130		%Rec	1	12/20/2017 12:40:55 PM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2017 10:07:48 PM	35539
Surr: BFB	88.7	15-316		%Rec	1	12/18/2017 10:07:48 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/18/2017 10:07:48 PM	35539
Toluene	ND	0.049		mg/Kg	1	12/18/2017 10:07:48 PM	35539
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2017 10:07:48 PM	35539
Xylenes, Total	ND	0.098		mg/Kg	1	12/18/2017 10:07:48 PM	35539
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	12/18/2017 10:07:48 PM	35539

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1712848

Date Reported: 12/21/2017

CLIENT: Animas Environmental Services

Client Sample ID: P3-SC-8

Project: DJR Carson Yard

Collection Date: 12/13/2017 2:03:00 PM

Lab ID: 1712848-004

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	47	9.4		mg/Kg	1	12/19/2017 9:57:21 PM	35562
Motor Oil Range Organics (MRO)	120	47		mg/Kg	1	12/19/2017 9:57:21 PM	35562
Surr: DNOP	111	70-130		%Rec	1	12/19/2017 9:57:21 PM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/18/2017 10:31:35 PM	35539
Surr: BFB	88.7	15-316		%Rec	1	12/18/2017 10:31:35 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/18/2017 10:31:35 PM	35539
Toluene	ND	0.047		mg/Kg	1	12/18/2017 10:31:35 PM	35539
Ethylbenzene	ND	0.047		mg/Kg	1	12/18/2017 10:31:35 PM	35539
Xylenes, Total	ND	0.094		mg/Kg	1	12/18/2017 10:31:35 PM	35539
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	12/18/2017 10:31:35 PM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** P3-SC-3**Project:** DJR Carson Yard**Collection Date:** 12/13/2017 2:10:00 PM**Lab ID:** 1712848-005**Matrix:** SOIL**Received Date:** 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	20	9.5		mg/Kg	1	12/19/2017 10:41:47 PM	35562
Motor Oil Range Organics (MRO)	64	48		mg/Kg	1	12/19/2017 10:41:47 PM	35562
Surr: DNOP	106	70-130		%Rec	1	12/19/2017 10:41:47 PM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2017 10:55:21 PM	35539
Surr: BFB	88.4	15-316		%Rec	1	12/18/2017 10:55:21 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/18/2017 10:55:21 PM	35539
Toluene	ND	0.049		mg/Kg	1	12/18/2017 10:55:21 PM	35539
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2017 10:55:21 PM	35539
Xylenes, Total	ND	0.099		mg/Kg	1	12/18/2017 10:55:21 PM	35539
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	12/18/2017 10:55:21 PM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: P3-SC-6

Project: DJR Carson Yard

Collection Date: 12/13/2017 2:16:00 PM

Lab ID: 1712848-006

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	12	9.2		mg/Kg	1	12/19/2017 11:25:53 PM	35562
Motor Oil Range Organics (MRO)	48	46		mg/Kg	1	12/19/2017 11:25:53 PM	35562
Surr: DNOP	96.9	70-130		%Rec	1	12/19/2017 11:25:53 PM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/18/2017 11:19:02 PM	35539
Surr: BFB	83.3	15-316		%Rec	1	12/18/2017 11:19:02 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/18/2017 11:19:02 PM	35539
Toluene	ND	0.049		mg/Kg	1	12/18/2017 11:19:02 PM	35539
Ethylbenzene	ND	0.049		mg/Kg	1	12/18/2017 11:19:02 PM	35539
Xylenes, Total	ND	0.099		mg/Kg	1	12/18/2017 11:19:02 PM	35539
Surr: 4-Bromofluorobenzene	99.7	80-120		%Rec	1	12/18/2017 11:19:02 PM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** P3-SC-1**Project:** DJR Carson Yard**Collection Date:** 12/13/2017 2:21:00 PM**Lab ID:** 1712848-007**Matrix:** SOIL**Received Date:** 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	17	9.5		mg/Kg	1	12/20/2017 12:10:20 AM	35562
Motor Oil Range Organics (MRO)	58	47		mg/Kg	1	12/20/2017 12:10:20 AM	35562
Surr: DNOP	99.6	70-130		%Rec	1	12/20/2017 12:10:20 AM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/18/2017 11:42:33 PM	35539
Surr: BFB	83.3	15-316		%Rec	1	12/18/2017 11:42:33 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/18/2017 11:42:33 PM	35539
Toluene	ND	0.050		mg/Kg	1	12/18/2017 11:42:33 PM	35539
Ethylbenzene	ND	0.050		mg/Kg	1	12/18/2017 11:42:33 PM	35539
Xylenes, Total	ND	0.10		mg/Kg	1	12/18/2017 11:42:33 PM	35539
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	12/18/2017 11:42:33 PM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: P3-SC-7

Project: DJR Carson Yard

Collection Date: 12/13/2017 2:27:00 PM

Lab ID: 1712848-008

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	17	10		mg/Kg	1	12/20/2017 12:54:46 AM	35562
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/20/2017 12:54:46 AM	35562
Surr: DNOP	97.9	70-130		%Rec	1	12/20/2017 12:54:46 AM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/19/2017 12:06:06 AM	35539
Surr: BFB	83.9	15-316		%Rec	1	12/19/2017 12:06:06 AM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	12/19/2017 12:06:06 AM	35539
Toluene	ND	0.050		mg/Kg	1	12/19/2017 12:06:06 AM	35539
Ethylbenzene	ND	0.050		mg/Kg	1	12/19/2017 12:06:06 AM	35539
Xylenes, Total	ND	0.099		mg/Kg	1	12/19/2017 12:06:06 AM	35539
Surr: 4-Bromofluorobenzene	97.1	80-120		%Rec	1	12/19/2017 12:06:06 AM	35539

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1712848

Date Reported: 12/21/2017

CLIENT: Animas Environmental Services

Client Sample ID: P5-SC-1

Project: DJR Carson Yard

Collection Date: 12/13/2017 2:36:00 PM

Lab ID: 1712848-009

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	68	10		mg/Kg	1	12/20/2017 1:39:12 AM	35562
Motor Oil Range Organics (MRO)	200	50		mg/Kg	1	12/20/2017 1:39:12 AM	35562
Surr: DNOP	102	70-130		%Rec	1	12/20/2017 1:39:12 AM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/19/2017 12:29:35 AM	35539
Surr: BFB	81.8	15-316		%Rec	1	12/19/2017 12:29:35 AM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/19/2017 12:29:35 AM	35539
Toluene	ND	0.049		mg/Kg	1	12/19/2017 12:29:35 AM	35539
Ethylbenzene	ND	0.049		mg/Kg	1	12/19/2017 12:29:35 AM	35539
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2017 12:29:35 AM	35539
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	12/19/2017 12:29:35 AM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** P4-SC-8**Project:** DJR Carson Yard**Collection Date:** 12/13/2017 2:44:00 PM**Lab ID:** 1712848-010**Matrix:** SOIL**Received Date:** 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	26	10		mg/Kg	1	12/20/2017 2:45:59 AM	35562
Motor Oil Range Organics (MRO)	65	50		mg/Kg	1	12/20/2017 2:45:59 AM	35562
Surr: DNOP	101	70-130		%Rec	1	12/20/2017 2:45:59 AM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/19/2017 12:52:59 AM	35539
Surr: BFB	88.0	15-316		%Rec	1	12/19/2017 12:52:59 AM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	12/19/2017 12:52:59 AM	35539
Toluene	ND	0.048		mg/Kg	1	12/19/2017 12:52:59 AM	35539
Ethylbenzene	ND	0.048		mg/Kg	1	12/19/2017 12:52:59 AM	35539
Xylenes, Total	ND	0.097		mg/Kg	1	12/19/2017 12:52:59 AM	35539
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	12/19/2017 12:52:59 AM	35539

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 ReportLab Order **1712848**Date Reported: **12/21/2017****Hall Environmental Analysis Laboratory, Inc.****CLIENT:** Animas Environmental Services**Client Sample ID:** P4-SC-9**Project:** DJR Carson Yard**Collection Date:** 12/13/2017 2:50:00 PM**Lab ID:** 1712848-011**Matrix:** SOIL**Received Date:** 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	1200	96		mg/Kg	10	12/20/2017 3:30:24 AM	35562
Motor Oil Range Organics (MRO)	1100	480		mg/Kg	10	12/20/2017 3:30:24 AM	35562
Surr: DNOP	0	70-130	S	%Rec	10	12/20/2017 3:30:24 AM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	23	D	mg/Kg	5	12/18/2017 1:29:57 PM	35539
Surr: BFB	102	15-316	D	%Rec	5	12/18/2017 1:29:57 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12	D	mg/Kg	5	12/18/2017 1:29:57 PM	35539
Toluene	ND	0.23	D	mg/Kg	5	12/18/2017 1:29:57 PM	35539
Ethylbenzene	ND	0.23	D	mg/Kg	5	12/18/2017 1:29:57 PM	35539
Xylenes, Total	ND	0.47	D	mg/Kg	5	12/18/2017 1:29:57 PM	35539
Surr: 4-Bromofluorobenzene	105	80-120	D	%Rec	5	12/18/2017 1:29:57 PM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: P4-SC-10

Project: DJR Carson Yard

Collection Date: 12/13/2017 2:57:00 PM

Lab ID: 1712848-012

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	16	9.4		mg/Kg	1	12/20/2017 4:14:48 AM	35562
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/20/2017 4:14:48 AM	35562
Surr: DNOP	101	70-130		%Rec	1	12/20/2017 4:14:48 AM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/19/2017 2:27:08 AM	35539
Surr: BFB	85.3	15-316		%Rec	1	12/19/2017 2:27:08 AM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	12/19/2017 2:27:08 AM	35539
Toluene	ND	0.047		mg/Kg	1	12/19/2017 2:27:08 AM	35539
Ethylbenzene	ND	0.047		mg/Kg	1	12/19/2017 2:27:08 AM	35539
Xylenes, Total	ND	0.094		mg/Kg	1	12/19/2017 2:27:08 AM	35539
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	12/19/2017 2:27:08 AM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: P2-TH-1

Project: DJR Carson Yard

Collection Date: 12/13/2017 3:07:00 PM

Lab ID: 1712848-013

Matrix: SOIL

Received Date: 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	510	9.6		mg/Kg	1	12/20/2017 1:24:59 PM	35562
Motor Oil Range Organics (MRO)	240	48		mg/Kg	1	12/20/2017 1:24:59 PM	35562
Surr: DNOP	110	70-130		%Rec	1	12/20/2017 1:24:59 PM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	120	24		mg/Kg	5	12/18/2017 1:53:31 PM	35539
Surr: BFB	282	15-316		%Rec	5	12/18/2017 1:53:31 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	12/18/2017 1:53:31 PM	35539
Toluene	ND	0.24		mg/Kg	5	12/18/2017 1:53:31 PM	35539
Ethylbenzene	0.35	0.24		mg/Kg	5	12/18/2017 1:53:31 PM	35539
Xylenes, Total	5.9	0.48		mg/Kg	5	12/18/2017 1:53:31 PM	35539
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	5	12/18/2017 1:53:31 PM	35539

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 1712848

Date Reported: 12/21/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Animas Environmental Services**Client Sample ID:** P6-SC-1**Project:** DJR Carson Yard**Collection Date:** 12/13/2017 3:13:00 PM**Lab ID:** 1712848-014**Matrix:** SOIL**Received Date:** 12/14/2017 6:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	760	9.7		mg/Kg	1	12/20/2017 5:43:34 AM	35562
Motor Oil Range Organics (MRO)	490	49		mg/Kg	1	12/20/2017 5:43:34 AM	35562
Surr: DNOP	112	70-130		%Rec	1	12/20/2017 5:43:34 AM	35562
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	140	24		mg/Kg	5	12/18/2017 2:17:06 PM	35539
Surr: BFB	254	15-316		%Rec	5	12/18/2017 2:17:06 PM	35539
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	12/18/2017 2:17:06 PM	35539
Toluene	0.79	0.24		mg/Kg	5	12/18/2017 2:17:06 PM	35539
Ethylbenzene	0.62	0.24		mg/Kg	5	12/18/2017 2:17:06 PM	35539
Xylenes, Total	5.6	0.48		mg/Kg	5	12/18/2017 2:17:06 PM	35539
Surr: 4-Bromofluorobenzene	113	80-120		%Rec	5	12/18/2017 2:17:06 PM	35539

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#: 1712848

21-Dec-17

Client: Animas Environmental Services

Project: DJR Carson Yard

Sample ID	LCS-35562		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 35562		RunNo: 47873					
Prep Date:	12/18/2017		Analysis Date: 12/19/2017		SeqNo: 1534506		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.3	73.2	114			
Surr: DNOP	4.5		5.000		89.9	70	130			

Sample ID	MB-35562		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	35562		RunNo:	47873				
Prep Date:	12/18/2017		Analysis Date:	12/19/2017		SeqNo:	1534507		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	9.4		10.00		94.3	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#: 1712848

21-Dec-17

Client: Animas Environmental Services

Project: DJR Carson Yard

Sample ID	MB-35539		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 35539		RunNo: 47852					
Prep Date:	12/15/2017		Analysis Date: 12/18/2017		SeqNo: 1531578		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.7	15	316			

Sample ID	LCS-35539		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 35539		RunNo: 47852					
Prep Date:	12/15/2017		Analysis Date: 12/18/2017		SeqNo: 1531579		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	75.9	131			
Surr: BFB	970		1000		97.0	15	316			

Sample ID	1712848-002AMS			SampType:	MS		TestCode:	EPA Method 8015D: Gasoline Range			
Client ID:	P3-SC-5			Batch ID:	35539		RunNo:	47852			
Prep Date:	12/15/2017			Analysis Date:	12/18/2017		SeqNo:	1531582		Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	24	4.7	23.65	0	102	77.8	128				
Surr: BFB	920		946.1		97.1	15	316				

Sample ID	1712848-002AMSD			SampType:	MSD		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	P3-SC-5			Batch ID:	35539		RunNo:	47852				
Prep Date:	12/15/2017			Analysis Date:	12/18/2017		SeqNo:	1531583			Units:	mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	25	4.8	24.25	0	102	77.8	128	2.80	20			
Surr: BFB	910		969.9		93.5	15	316	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#: 1712848

21-Dec-17

Client: Animas Environmental Services

Project: DJR Carson Yard

Sample ID	MB-35539		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 35539		RunNo: 47852					
Prep Date:	12/15/2017		Analysis Date: 12/18/2017		SeqNo: 1531610		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	1.0		1.000		104	80	120			

Sample ID	LCS-35539		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 35539		RunNo: 47852					
Prep Date:	12/15/2017		Analysis Date: 12/18/2017		SeqNo: 1531611		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.5	77.3	128			
Toluene	0.95	0.050	1.000	0	94.8	79.2	125			
Ethylbenzene	0.94	0.050	1.000	0	94.1	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	96.4	81.6	129			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	1712848-001AMS		SampType: MS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	P3-SC-4		Batch ID: 35539		RunNo: 47852					
Prep Date:	12/15/2017		Analysis Date: 12/18/2017		SeqNo: 1531613		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9990	0	88.3	80.9	132			
Toluene	0.92	0.050	0.9990	0.01186	90.5	79.8	136			
Ethylbenzene	0.90	0.050	0.9990	0.01057	89.5	79.4	140			
Xylenes, Total	2.8	0.10	2.997	0.03151	91.6	78.5	142			
Surr: 4-Bromofluorobenzene	1.0		0.9990		102	80	120			

Sample ID	1712848-001AMSD		SampType: MSD		TestCode: EPA Method 8021B: Volatiles					
Client ID:	P3-SC-4		Batch ID: 35539		RunNo: 47852					
Prep Date:	12/15/2017		Analysis Date: 12/18/2017		SeqNo: 1531614		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	0.9980	0	89.1	80.9	132	0.768	20	
Toluene	0.92	0.050	0.9980	0.01186	90.6	79.8	136	0.00911	20	
Ethylbenzene	0.92	0.050	0.9980	0.01057	91.5	79.4	140	2.18	20	
Xylenes, Total	2.8	0.10	2.994	0.03151	93.2	78.5	142	1.60	20	
Surr: 4-Bromofluorobenzene	1.1		0.9980		106	80	120	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 |



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: 1712848

RcptNo: 1

Received By: Anne Thorne

12/14/2017 8:55:00 AM

Completed By: Michelle Garcia

12/14/2017 9:41:41 AM

Reviewed By: ENM

12/14/17

Am Thorne
Michelle Garcia

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 $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

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


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

17. Additional remarks:

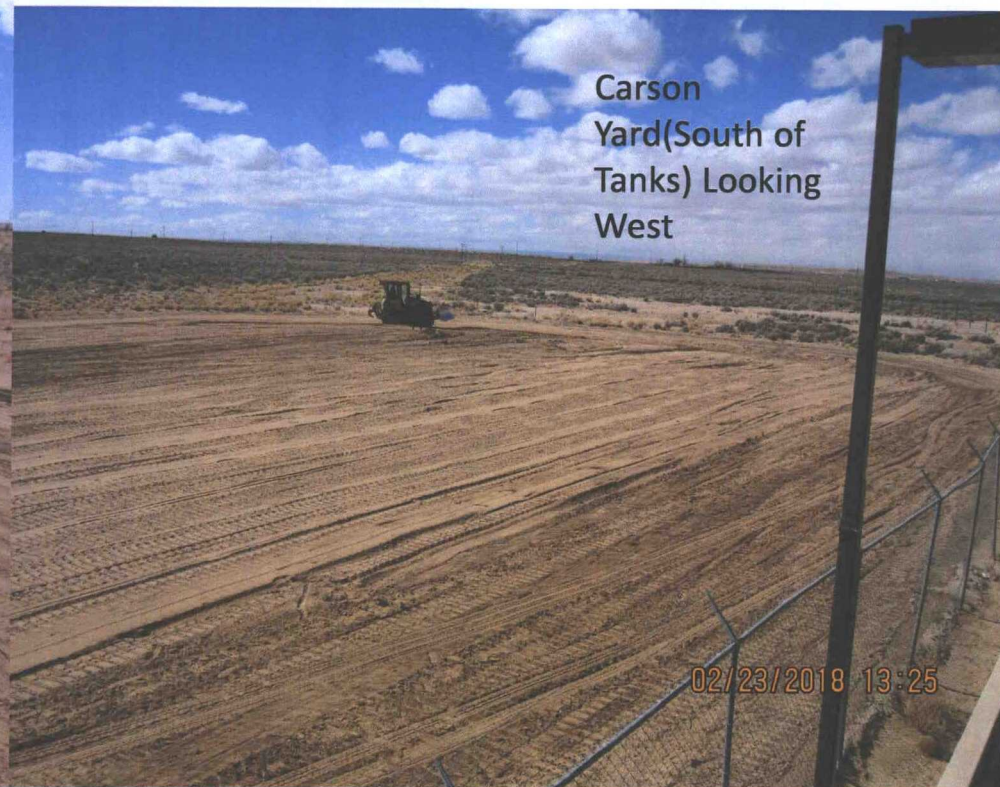
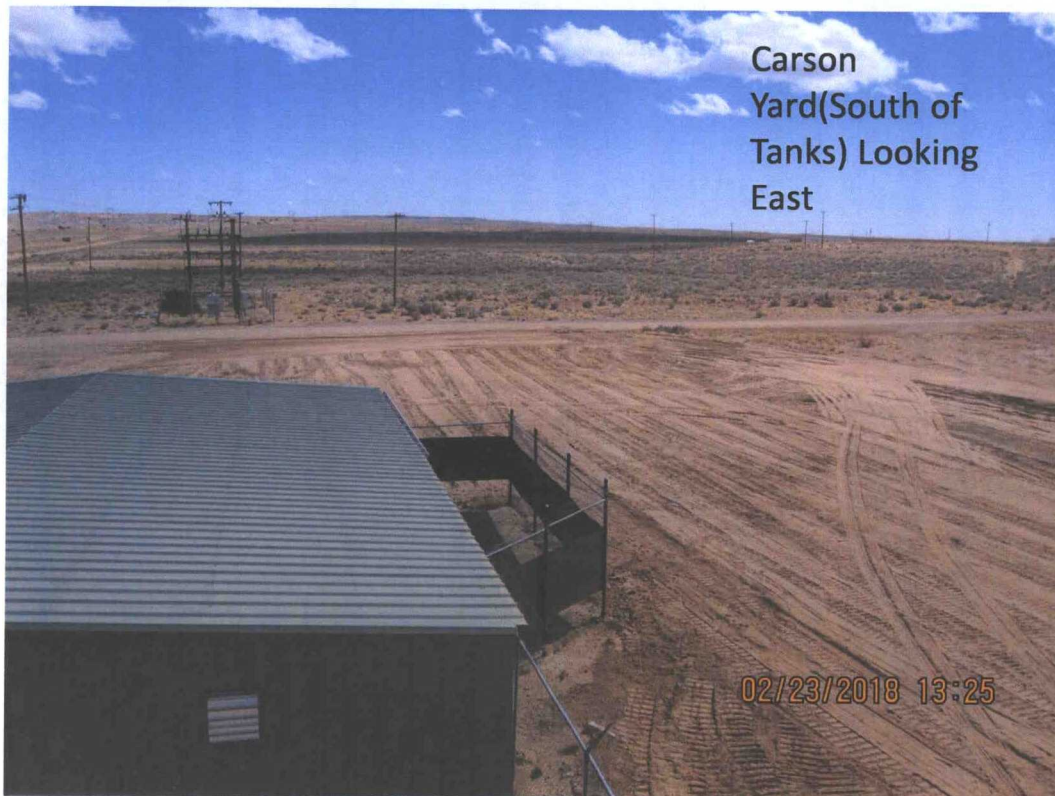
18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record				Turn-Around Time:			<div style="display: flex; align-items: center;"> <div> HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87105 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request </div> </div>																																																																																														
Client: Animas Environmental Services				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush _____																																																																																																	
Mailing Address: 604 W. Pinon Street				Project Name: DJR Carson Yard																																																																																																	
Farmington, NM 87401				Project #:																																																																																																	
Phone #: 505-564-2281				Project Manager: Elizabeth McNally			<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (GRO + DRO + MRO) 8015D</td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX - 8021B</td> <td colspan="16"></td> <td rowspan="5" style="writing-mode: vertical-rl; transform: rotate(180deg);">Air Bubbles (Y or N)</td> </tr> <tr><td colspan="16"></td></tr> <tr><td colspan="16"></td></tr> <tr><td colspan="16"></td></tr> <tr><td colspan="16"></td></tr> </table>												TPH (GRO + DRO + MRO) 8015D	BTEX - 8021B																	Air Bubbles (Y or N)																																																																
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email or Fax#: emcnally@animasenvironmental.com				Sampler: SG																																																																																																	
QA/QC Package:				On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																																																																																																	
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<input type="checkbox"/> NELAP <input type="checkbox"/> Other _____																																																																																																					
<input type="checkbox"/> EDD (Type) _____																																																																																																					
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.																																																																																															
12/13/2017	13:46	Soil	P3-SC-4	1 - 4 oz jars	Cool	1712848 001																																																																																															
12/13/2017	13:51	Soil	P3-SC-5	1 - 4 oz jars	Cool	002																																																																																															
12/13/2017	13:57	Soil	P3-SC-2	1 - 4 oz jars	Cool	003																																																																																															
12/13/2017	14:03	Soil	P3-SC-8	1 - 4 oz jars	Cool	004																																																																																															
12/13/2017	14:10	Soil	P3-SC-3	1 - 4 oz jars	Cool	005																																																																																															
12/13/2017	14:16	Soil	P3-SC-6	1 - 4 oz jars	Cool	006																																																																																															
12/13/2017	14:21	Soil	P3-SC-1	1 - 4 oz jars	Cool	007																																																																																															
12/13/2017	14:27	Soil	P3-SC-7	1 - 4 oz jars	Cool	008																																																																																															

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Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.																																																																																																										
12/13/2017	14:36	Soil	P5-SC-1	1 - 4 oz jars	Cool	1712848 - 009	X	X																																																																																																								
12/13/2017	14:44	Soil	P4-SC-8	1 - 4 oz jars	Cool	- 010	X	X																																																																																																								
12/13/2017	14:50	Soil	P4-SC-9	1 - 4 oz jars	Cool	- 011	X	X																																																																																																								
12/13/2017	14:57	Soil	P4-SC-10	1 - 4 oz jars	Cool	- 012	X	X																																																																																																								
12/13/2017	15:07	Soil	P2-TH-1	1 - 4 oz jars	Cool	- 013	X	X																																																																																																								
12/13/2017	15:13	Soil	P6-SC-1	1 - 4 oz jars	Cool	- 014	X	X																																																																																																								
Date: 12/13/17	Time: 1752	Relinquished by: [Signature]		Received by: [Signature]		Date: 12/13/17	Time: 1752	Remarks: Bill to AES. Call if questions.																																																																																																								
Date: 12/13/17	Time: 2011	Relinquished by: [Signature]		Received by: [Signature]		Date: 12/14/17	Time: 0655																																																																																																									

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 noted on the analytical report.



Carson Yard Storage (South Side)
NE/NE Sect 24-T25N-R12W
Latitude:36.39366
Longitude:-108.0555
San Juan County, NM