

## **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

6/7/2018

.

State of New Mexico Energy Minerals and Natural Resources

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

| Santa Fe, NM 87505  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| Release Notification  | on and Corrective Action   |  |  |  |  |  |
| <b>OPERATOR</b> Initial Report <b>Fir</b>   |  |  |  |  |  |  |
| Name of Company: DJR Operating, LLC   | Contact: Amy Archuleta   |  |  |  |  |  |
| Address: PO BOX 156 Bloomfield, NM 87413  | Telephone No.: 505-632-3476 x201   |  |  |  |  |  |
| Facility Name: Central Bisti Unit (CBU) Injection Plant   | Facility Type: Injection Tanks/Waterflood Unit   |  |  |  |  |  |
| (waterflood)  |  |  |  |  |  |  |
| Surface Owner: Navaio Tribal Trust Mineral Owner  | : Navajo Tribal Trust API No.: N/A   |  |  |  |  |  |
| Surface Owner. Navajo Tribar Trust  |  |  |  |  |  |  |
| LOCATIC   | DN OF RELEASE  |  |  |  |  |  |
| SE/SW 05 25N 12W  | In/south Line Feet from the East/west Line County  |  |  |  |  |  |
|   |  |  |  |  |  |  |
| Latitude36.4236361  | Longitude108.133583 NAD83  |  |  |  |  |  |
| NATUR   | E OF RELEASE   |  |  |  |  |  |
| Type of Release Historic (Tank Storage)   | Volume of Release Unknown Volume Recovered 540 yards soil  |  |  |  |  |  |
| Source of Release Tank storage  | Date and Hour of Occurrence Date and Hour of Discovery   |  |  |  |  |  |
| Was Immediate Notice Given?   | 15-20-16 4:00 FM   |  |  |  |  |  |
| ☐ Yes ⊠ No ⊠ Not Require  | d Cory Smith/ Vanessa Fields   |  |  |  |  |  |
| By Whom? Amy Archuleta  | Date and Hour Email 3-29-18 4:25PM.  |  |  |  |  |  |
| Was a Watercourse Reached?  | If YES, Volume Impacting the Watercourse.  |  |  |  |  |  |
| L Yes 🛛 No  | NMOCD  |  |  |  |  |  |
| If a Watercourse was Impacted, Describe Fully.*   | N I R MALINI   |  |  |  |  |  |
| TX Addit  | ional here way 04 2018   |  |  |  |  |  |
| Required  |  |  |  |  |  |  |
|   | DISTRICT 111   |  |  |  |  |  |
| Describe Cause of Problem and Remedial Action Taken.*<br>Storage Tanks located at an old waterflood site, the CBU Injection                               | Plant were removed and contaminated soil was found beneath them. The   |  |  |  |  |  |
| tanks were removed from the site.   |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
| Describe Area Affected and Cleanup Action Taken.*   |  |  |  |  |  |  |
| Animas Environmental was on site and conducted field tests for OV   | M and TPH. The total contaminated soil removed was 540 yards. Samples  |  |  |  |  |  |
| were pulled and witnessed by Cory Smith on 4-03-2018. Samples re-   | sults are attached. The area was sprayed with Hydrogen Peroxide on 4-27-18   |  |  |  |  |  |
| and backinicu with son from Enviroteen on 5-2-18.   |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
| I hereby certify that the information given above is true and complete to<br>regulations all operators are required to report and/or file certain release | the best of my knowledge and understand that pursuant to NMOCD rules and<br>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 remedi  | ate contamination that pose a threat to ground water, surface water, human health  |  |  |  |  |  |
| federal state or local laws and/or regulations  | does not relieve the operator of responsibility for compliance with any other  |  |  |  |  |  |
|   | OIL CONSERVATION DIVISION  |  |  |  |  |  |
|   |  |  |  |  |  |  |
| Signature:  | land .   |  |  |  |  |  |
| Printed Name: Amy Archuleta Approved by Environmental Specialist:   |  |  |  |  |  |  |
| Title: Populatory   | American Data 67/15 Emination Data   |  |  |  |  |  |
| Thie. Regulatory  | Approval Date.   |  |  |  |  |  |
| E-mail Address: aarchuleta@djrllc.com   | Conditions of Approval:  |  |  |  |  |  |
| Date: 05-04-18 Phone: 505-632-3476 x201   |  |  |  |  |  |  |
| * Attach Additional Sheets If Necessary //  |  |  |  |  |  |  |
| #7NCS 1812  | 055 995 NMach (21)   |  |  |  |  |  |
|   |  |  |  |  |  |  |

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State of New Mexico Energy Minerals and Natural Resources

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

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

| 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa   | a Fe, NM 87505  |   |  |  |  |  |
|---|---|---|--|--|--|--|
| Release Notificat   | ion and Corrective Acti   | on  |  |  |  |  |
|   | OPERATOR  | 🗌 Initial Report 🛛 🛛 Final Repor  |  |  |  |  |
| Name of Company: DJR Operating, LLC   | Contact: Amy Archuleta  |   |  |  |  |  |
| Address: PO BOX 156 Bloomfield, NM 87413  | Telephone No.: 505-632-3476   | x201  |  |  |  |  |
| Facility Name: Central Bisti Unit (CBU) Injection Plan<br>(waterflood)  | t Facility Type: Injection Tanks  | s/Waterflood Unit   |  |  |  |  |
| Surface Owner: Navajo Tribal Trust Mineral Own  | er: Navajo Tribal Trust   | API No.: N/A  |  |  |  |  |
| LOCAT   | ION OF RELEASE  |   |  |  |  |  |
| Unit LetterSectionTownshipRangeFeet from theNoSE/SW0525N12W   | orth/South Line Feet from the Ea  | Ist/West Line County<br>San Juan  |  |  |  |  |
| Latitude36.423636   | Longitude108.133583]  | NAD83   |  |  |  |  |
| NATU  | RE OF RELEASE   |   |  |  |  |  |
| Type of Release Historic (Tank Storage)   | Volume of Release Unknown   | Volume Recovered 540 yards soil   |  |  |  |  |
| Source of Release Tank storage  | Date and Hour of Occurrence   | <b>Date and Hour of Discovery</b>   |  |  |  |  |
| Was Immediate Notice Given?   | If YES, To Whom?  | <b>H</b> .001111  |  |  |  |  |
| 🗌 Yes 🖾 No 🖾 Not Requi  | red Cory Smith/ Vanessa Fiel  | lds   |  |  |  |  |
| By Whom? Amy Archuleta  | Date and Hour Email 3-29-18 4:  | :25PM.  |  |  |  |  |
| Was a Watercourse Reached?  | If YES, Volume Impacting the Watercourse.   |   |  |  |  |  |
| Describe Cause of Problem and Remedial Action Taken.*<br>Storage Tanks located at an old waterflood site, the CBU Injection<br>tanks were removed from the site.  | n Plant, were removed and contamina   | ated soil was found beneath them. The   |  |  |  |  |
| Describe Area Affected and Cleanup Action Taken.*<br>Animas Environmental was on site and conducted field tests for O<br>were pulled and witnessed by Cory Smith on 4-03-2018. Samples r<br>and backfilled with soil from Envirotech on 5-2-18.   | OVM and TPH. The total contaminate<br>results are attached. The area was sp   | ed soil removed was 540 yards. Samples<br>rayed with Hydrogen Peroxide on 4-27-18   |  |  |  |  |
| I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain relea public health or the environment. The acceptance of a C-141 report b should their operations have failed to adequately investigate and reme or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations. | to the best of my knowledge and under<br>se notifications and perform corrective<br>y the NMOCD marked as "Final Repor<br>diate contamination that pose a threat to<br>ort does not relieve the operator of respo | rstand that pursuant to NMOCD rules and<br>actions for releases which may endanger<br>rt" does not relieve the operator of liability<br>o ground water, surface water, human health<br>onsibility for compliance with any other |  |  |  |  |
| OIL CONSERVATION DIVISION   |   |   |  |  |  |  |
| Signature:  |   |   |  |  |  |  |
| Printed Name: Amy Archuleta   | Approved by Environmental Specia  | alist:  |  |  |  |  |
| Title: Regulatory   | Approval Date:  | Expiration Date:  |  |  |  |  |
| E-mail Address: aarchuleta@djrllc.com<br>Date: 05-04-18 Phone: 505-632-3476 x201  | Conditions of Approval:   | Attached  |  |  |  |  |

 Date:
 05-04-18
 Phone:
 505-632-34

 \* Attach Additional Sheets If Necessary



April 23, 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 CBU Injection Plant SW¼ SE¼, Section 5 T25N R12W San Juan County, New Mexico

Dear Ms. Archuleta:

On March 28, 2018 and April 3, 2018, Animas Environmental Services, LLC (AES) completed confirmation sampling of the excavated areas associated with petroleum-contaminated soils at the DJR Operating (DJR) CBU Injection Plant release location. The release consisted of historic contamination discovered during infrastructure removal activities at the location. The final excavations were completed by DJR contractors prior to AES' arrival at the location on March 28, 2018, and April 3, 2018.

## 1.0 Site Information

#### 1.1 Location

Legal Description – SW¼ SE¼, Section 5, T25N, R12W, San Juan County, New Mexico Release Latitude/Longitude – N36.42329 and W108.13359, respectively Land Jurisdiction – Navajo Nation Allotment Figure 1. Topographic Site Location Map Figure 2. Aerial Site Location Map, March and April 2018

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

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

www.animasenvironmental.com

Amy Archuleta CBU Injection Plant Excavation Clearance Report April 23, 2018 Page 2 of 5

#### 1.2 NMOCD Ranking

The DJR CBU Injection Plant is located within Navajo Nation Allotment lands. Navajo Nation Environmental Protection Agency (NNEPA) adheres to action levels for releases and spills as established by the New Mexico Oil Conservation Division (NMOCD).

In accordance with 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: Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is calculated to be approximately 120 ft. A water well (SJ 01716) 3.8 mi to the east and at an approximate elevation of 6,278 ft had groundwater at a depth of 210 ft. The CBU WSW #2 water well on location has an estimated surface elevation of 6,188 ft. (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: The nearest wash is 480 ft northeast of the plant property boundary. Drainage is ultimately to Gallegos Canyon. (10 points)

## 1.3 Excavation Clearance

AES was initially contacted by Amy Archuleta of DJR on March 26, 2018, and on March 28, 2018, Corwin Lameman of AES completed the excavation clearance field work. The clearance included the collection and field sampling of nine soil samples from the walls and bases of three excavation areas (north tank area, south tank area, and pump building area).

On April 3, 2018, AES personnel collected a total of three confirmation soil samples (SC-1 through SC-3) for laboratory analysis from the bases of the excavation areas. The final excavations measured approximately 60 feet by 46 feet by 3 feet deep (north tank area); 55 feet by 34.5 feet by 2.5 to 5 feet deep (pump building area); and 23 feet by 21 feet by 4.5 feet deep (south tank area). Sample locations and final excavation extents are presented on Figure 3.

## 2.0 Soil Sampling

## 2.1 Field Sampling

#### 2.1.1 Volatile Organic Compounds

Field screening for volatile organic compound (VOC) vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field

Amy Archuleta CBU Injection Plant Excavation Clearance Report April 23, 2018 Page 3 of 5

screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

#### 2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for total petroleum hydrocarbons (TPH) per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES' *Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1*.

## 2.2 Laboratory Analyses

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

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8260B; and
- TPH as gasoline, diesel, and motor oil ranges (GRO, DRO, and MRO) per USEPA Method 8015 M/D.

## 2.3 Field and Laboratory Analytical Results

Field sampling results and laboratory analytical results are summarized in Tables 1 and 2, respectively, and on Figure 3. The AES Field Sampling Report and laboratory analytical reports are attached.

| CBU         | injection Plan | IL EXCAVALION CIER | ance, March 2 | 010     |
|-------------|----------------|--------------------|---------------|---------|
|             |                |                    | VOCCOVM       | Field   |
|             | Date           | Sample             | Readina       | (418.1) |
| Sample ID   | Sampled        | Depth (ft)         | (ppm)         | (mg/kg) |
|             | NMO            | OCD Action Level*  | 100           | 1,000   |
| S.T.A. SC-1 | 3/28/18        | 4.5                | 378           | 1,160   |
| S.T.A. SC-2 | 3/28/18        | 1 to 3.5           | 12.7          | NA      |
| S.T.A. SC-3 | 3/28/18        | 1 to 3.5           | 0.2           | NA      |
| S.T.A. SC-4 | 3/28/18        | 1 to 3.5           | 6.8           | NA      |
| S.T.A. SC-5 | 3/28/18        | 1 to 3.5           | 2.1           | NA      |
| N.T.A. SC-1 | 3/28/18        | 3                  | 35.2          | 144     |
| N.T.A. SC-2 | 3/28/18        | 3                  | 22.7          | 337     |
| B.A. SC-1   | 3/28/18        | 2.5 to 5           | 10.1          | 46.1    |
| B.A. SC-2   | 3/28/18        | 2.5 to 5           | 4.7           | 47.3    |

## Table 1. Soil Field VOCs and TPH Results

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

NA – Not Analyzed

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| Table 2. | Soil Laboratory Analytical Results - Benzene, Total BTEX, and TPH |
|----------|---|
|          | Excavation Area Sample Locations and Results, April 2018          |

| Sample ID | Date<br>Sampled | Depth<br>(ft) | Benzene<br>(mg/kg) | Total<br>BTEX<br>(mg/kg) | TPH –<br>GRO<br>(mg/kg) | TPH –<br>DRO<br>(mg/kg) | TPH –<br>MRO<br>(mg/kg) |
|-----------|-----------------|---------------|--------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| NMOCD     | Action Level    | *             | 10                 | 50                       |                         | 1,000                   |                         |
| SC-1      | 4/3/18          | 2 to 5        | <0.024             | <0.220                   | <4.9                    | <9.2                    | <46                     |
| SC-2      | 4/3/18          | 3             | <0.024             | <0.217                   | <4.8                    | 600                     | 740                     |
| SC-3      | 4/3/18          | 4 to 5        | <0.024             | <0.215                   | <4.8                    | 54                      | 150                     |

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

## 3.0 Conclusions and Recommendations

On March 28, 2018, field sampling results of the excavation extents showed field TPH concentrations were below the applicable NMOCD action level of 1,000 mg/kg for all composite samples except S.T.A. SC-1 (south tank area base); further excavation was

Amy Archuleta CBU Injection Plant Excavation Clearance Report April 23, 2018 Page 5 of 5

completed to ensure action levels would be under the NMOCD action level for the confirmation sampling event. On April 3, 2018 final clearance of all excavation areas was completed under witness of NMOCD personnel. Laboratory analytical results reported benzene, total BTEX, and TPH concentrations (as GRO/DRO/MRO) in all samples as below NMOCD action levels in all samples, except SC-2 (North Tank Area base - 1,340 mg/kg).

Based on the final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the CBU Injection Plant, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final base and sidewalls of all excavation pits, except for the north tank area. Upon approval from NMOCD, DJR will apply a bioremediation compound to the base of the excavation prior to backfilling. No further 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,

Davil 9 Rem

David J. Reese Environmental Scientist

Elizabeth V McNelly-

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Location Map, March and April 2018
Figure 3. Excavation Area Sample Locations and Results, March and April 2018
AES Field Sampling Report 032818
Hall Analytical Report 1804149

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**AES Field Sampling Report** 

## Client: DJR Operating

## Project Location: CBU Injection Plant

Date: 3/28/2018

Matrix: Soil

|             | Collection | Collection | Sample         | PID-OVM | Field TPH*           | Field TPH<br>Analysis | TPH PQL         |    | TPH<br>Analysts |
|-------------|------------|------------|----------------|---------|----------------------|-----------------------|-----------------|----|-----------------|
| Sample ID   | Date       | Time       | Location       | (ppm)   | (mg/kg)              | Time                  | (mg/kg)         | DF | Initials        |
| S.T.A. SC-1 | 3/28/2018  | 8:30       | Base           | 378     | 1,160                | 9:37                  | 20.0            | 1  | CL              |
| S.T.A. SC-2 | 3/28/2018  | 10:32      | North Wall     | 12.7    | Not Analyzed for TPH |                       |                 |    |                 |
| S.T.A. SC-3 | 3/28/2018  | 10:36      | South Wall     | 0.2     | Not Analyzed for TPH |                       |                 |    |                 |
| S.T.A. SC-4 | 3/28/2018  | 10:38      | East Wall      | 6.8     | Not Analyzed for TPH |                       |                 |    |                 |
| S.T.A. SC-5 | 3/28/2018  | 10:40      | West Wall      | 2.1     |                      | Not                   | Analyzed for Ti | PH |                 |
| N.T.A. SC-1 | 3/28/2018  | 8:48       | North 1/2 Base | 35.2    | 144                  | 9:40                  | 20.0            | 1  | CL              |
| N.T.A. SC-2 | 3/28/2018  | 8:53       | South 1/2 Base | 22.7    | 337                  | 9:43                  | 20.0            | 1  | CL              |
| B.A. SC-1   | 3/28/2018  | 8:35       | North 1/2 Base | 10.1    | 46.1                 | 9:45                  | 20.0            | 1  | CL              |
| B.A. SC-2   | 3/28/2018  | 10:15      | South 1/2 Base | 4.7     | 47.3                 | 11:21                 | 20.0            | 1  | CL              |

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

\*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Coi hu Analyst:



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

April 09, 2018

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

RE: DJR CBU Injection Plant Excavation

OrderNo.: 1804149

Dear Tami Knight:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/4/2018 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

.

Lab Order 1804149 Date Reported: 4/9/2018

| <b>CLIENT:</b> Animas Environmental Ser |               | <b>Client Sampl</b> | e ID: SC                              | 2-1 |                      |       |
|---|---------------|---------------------|---------------------------------------|-----|----------------------|-------|
| Project: DJR CBU Injection Plant I      | Excavation    |                     | Collection Date: 4/3/2018 11:03:00 AM |     |                      |       |
| Lab ID: 1804149-001                     | Matrix: S     | OIL                 | Received Date: 4/4/2018 7:40:00 AM    |     |                      |       |
| Analyses                                | Result        | PQL Qua             | l Units                               | DF  | Date Analyzed        | Batch |
| EPA METHOD 8015D MOD: GASOL             | INE RANGE     |                     |                                       |     | Analyst              | AG    |
| Gasoline Range Organics (GRO)           | ND            | 4.9                 | mg/Kg                                 | 1   | 4/6/2018 7:29:48 PM  | 37449 |
| Surr: BFB                               | 118           | 70-130              | %Rec                                  | 1   | 4/6/2018 7:29:48 PM  | 37449 |
| EPA METHOD 8015M/D: DIESEL RA           | ANGE ORGANICS |                     |                                       |     | Analyst              | TOM   |
| Diesel Range Organics (DRO)             | ND            | 9.2                 | mg/Kg                                 | 1   | 4/6/2018 11:08:07 AM | 37453 |
| Motor Oil Range Organics (MRO)          | ND            | 46                  | mg/Kg                                 | 1   | 4/6/2018 11:08:07 AM | 37453 |
| Surr: DNOP                              | 92.3          | 70-130              | %Rec                                  | 1   | 4/6/2018 11:08:07 AM | 37453 |
| EPA METHOD 8260B: VOLATILES             | SHORT LIST    |                     |                                       |     | Analyst:             | AG    |
| Benzene                                 | ND            | 0.024               | mg/Kg                                 | 1   | 4/6/2018 7:29:48 PM  | 37449 |
| Toluene                                 | ND            | 0.049               | mg/Kg                                 | 1   | 4/6/2018 7:29:48 PM  | 37449 |
| Ethylbenzene                            | ND            | 0.049               | mg/Kg                                 | 1   | 4/6/2018 7:29:48 PM  | 37449 |
| Xylenes, Total                          | ND            | 0.098               | mg/Kg                                 | 1   | 4/6/2018 7:29:48 PM  | 37449 |
| Surr: 4-Bromofluorobenzene              | 118           | 70-130              | %Rec                                  | 1   | 4/6/2018 7:29:48 PM  | 37449 |
| Surr: Toluene-d8                        | 83.2          | 70-130              | %Rec                                  | 1   | 4/6/2018 7:29:48 PM  | 37449 |

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

| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.              | В  | Analyte detected in the associated Method Bla  | ank          |
|-------------|-----|---|----|--|--------------|
|             | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                 |              |
|             | Н   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits     | Page 1 of 7  |
|             | ND  | Not Detected at the Reporting Limit                   | Р  | Sample pH Not In Range                         | age I OI /   |
|             | 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 a | as specified |
|             |     |   |    |  |              |

Analytical Report Lab Order 1804149 Date Reported: 4/9/2018

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental ServicesClient SProject:DJR CBU Injection Plant ExcavationCollectLab ID:1804149-002Matrix: SOILReceiption

Client Sample ID: SC-2 Collection Date: 4/3/2018 11:11:00 AM

Received Date: 4/4/2018 7:40:00 AM

| Analyses                         | Result  | PQL Q  | ual Units | DF      | Date Analyzed       | Batch |
|----------------------------------|---------|--------|-----------|---------|---------------------|-------|
| EPA METHOD 8015D MOD: GASOLINE   | RANGE   |        |           |         | Analys              | t: AG |
| Gasoline Range Organics (GRO)    | ND      | 4.8    | mg/Kg     | 1       | 4/6/2018 9:48:38 PM | 37449 |
| Surr: BFB                        | 112     | 70-130 | %Rec      | 1       | 4/6/2018 9:48:38 PM | 37449 |
| EPA METHOD 8015M/D: DIESEL RANGE | ;       |        |           | Analyst | TOM                 |       |
| Diesel Range Organics (DRO)      | 600     | 95     | mg/Kg     | 10      | 4/6/2018 2:00:05 PM | 37453 |
| Motor Oil Range Organics (MRO)   | 740     | 480    | mg/Kg     | 10      | 4/6/2018 2:00:05 PM | 37453 |
| Surr: DNOP                       | 0       | 70-130 | S %Rec    | 10      | 4/6/2018 2:00:05 PM | 37453 |
| EPA METHOD 8260B: VOLATILES SHO  | RT LIST |        |           |         | Analys              | t: AG |
| Benzene                          | ND      | 0.024  | mg/Kg     | 1       | 4/6/2018 9:48:38 PM | 37449 |
| Toluene                          | ND      | 0.048  | mg/Kg     | 1       | 4/6/2018 9:48:38 PM | 37449 |
| Ethylbenzene                     | ND      | 0.048  | mg/Kg     | 1       | 4/6/2018 9:48:38 PM | 37449 |
| Xylenes, Total                   | ND      | 0.097  | mg/Kg     | 1       | 4/6/2018 9:48:38 PM | 37449 |
| Surr: 4-Bromofluorobenzene       | 119     | 70-130 | %Rec      | 1       | 4/6/2018 9:48:38 PM | 37449 |
| Surr: Toluene-d8                 | 85.4    | 70-130 | %Rec      | 1       | 4/6/2018 9:48:38 PM | 37449 |

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

| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.              | В  | Analyte detected in the associated Method Blank           |
|-------------|-----|---|----|---|
|             | D   | Sample Diluted Due to Matrix                          | Е  | Value above quantitation range                            |
|             | Н   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits Page 2 of 7    |
|             | ND  | Not Detected at the Reporting Limit                   | Р  | 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 |
|             |     |   |    |   |

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

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Xylenes, Total

Surr: Toluene-d8

Surr: 4-Bromofluorobenzene

Lab Order 1804149 Date Reported: 4/9/2018

4/6/2018 10:57:57 PM

4/6/2018 10:57:57 PM

4/6/2018 10:57:57 PM

37449

37449

37449

| CLIENT:   | Animas Environmental Serv | vices        |        | <b>Client Sample</b> | e ID: SC  | 2-3                  |       |
|-----------|---------------------------|--------------|--------|----------------------|-----------|----------------------|-------|
| Project:  | DJR CBU Injection Plant E | xcavation    |        | Collection I         | Date: 4/3 | 3/2018 11:19:00 AM   |       |
| Lab ID:   | 1804149-003               | Matrix: S    | OIL    | Received I           | Date: 4/4 | /2018 7:40:00 AM     |       |
| Analyses  |                           | Result       | PQL    | Qual Units           | DF        | Date Analyzed        | Batch |
| EPA MET   | HOD 8015D MOD: GASOLI     | NE RANGE     |        |                      |           | Analyst              | AG    |
| Gasoline  | Range Organics (GRO)      | ND           | 4.8    | mg/Kg                | 1         | 4/6/2018 10:57:57 PM | 37449 |
| Surr: B   | BFB                       | 119          | 70-130 | %Rec                 | 1         | 4/6/2018 10:57:57 PM | 37449 |
| EPA MET   | HOD 8015M/D: DIESEL RA    | NGE ORGANICS |        |                      |           | Analyst              | том   |
| Diesel Ra | ange Organics (DRO)       | 54           | 10     | mg/Kg                | 1         | 4/6/2018 2:24:33 PM  | 37453 |
| Motor Oil | Range Organics (MRO)      | 150          | 51     | mg/Kg                | 1         | 4/6/2018 2:24:33 PM  | 37453 |
| Surr: D   | NOP                       | 101          | 70-130 | %Rec                 | 1         | 4/6/2018 2:24:33 PM  | 37453 |
| EPA MET   | HOD 8260B: VOLATILES S    | HORT LIST    |        |                      |           | Analyst              | AG    |
| Benzene   |                           | ND           | 0.024  | mg/Kg                | 1         | 4/6/2018 10:57:57 PM | 37449 |
| Toluene   |                           | ND           | 0.048  | mg/Kg                | 1         | 4/6/2018 10:57:57 PM | 37449 |
| Ethylbenz | zene                      | ND           | 0.048  | mg/Kg                | 1         | 4/6/2018 10:57:57 PM | 37449 |

0.095

70-130

70-130

mg/Kg

%Rec

%Rec

1

1

1

ND

121

82.2

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

| Qualifiers: | *   | Value exceeds Maximum Contaminant Level.              | В  | Analyte detected in the associated Method Blank           |
|-------------|-----|---|----|---|
|             | D   | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                            |
|             | Н   | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits Page 3 of 7    |
|             | ND  | Not Detected at the Reporting Limit                   | Р  | 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, Inc.

| WO#: | 1804149 |
|------|---------|
|      |         |

Page 4 of 7

09-Apr-18

| Client:   | Animas  | Environmenta  | al Ser   | vices   |  |   |  |  |   |                        |      |  |  |
|---|---|---|--|---|--|---|--|--|---|------------------------|------|--|--|
| Project:  | DJR CB  | U Injection Pl  | lant H   | Excavation  |  |   |  |  |   |                        |      |  |  |
| Sample ID   | 105 27459   | SampTyp   | 0.10   | 2   | Tes  | Code: E   | PA Mothod  | 8015M/D: Di  | sol Pano  | Organice               |      |  |  |
| Sample ID   | 203-37455   | Sampiyp   | C. LU  |   | TestGode: EPA Method 8015M/D: Diesel Range Organics          |   |  |  |   |                        |      |  |  |
| Client ID:  | LCSS  | Batch ID  | D: 37  | 459   | F  | RunNo: 5  | 0367   |  |   |                        |      |  |  |
| Prep Date:  | 4/6/2018  | Analysis Date   | e: 4/  | 6/2018  | S  | SeqNo: 1  | 632357   | Units: %Ree  | C   |                        |      |  |  |
| Analyte   |   | Result F  | PQL  | SPK value   | SPK Ref Val  | %REC  | LowLimit   | HighLimit  | %RPD  | RPDLimit               | Qual |  |  |
| Surr: DNOP  |   | 4.5   |  | 5.000   |  | 90.7  | 70   | 130  |   |                        |      |  |  |
| Sample ID   | MB-37459  | SampType  | e: Me  | BLK   | Tes  | tCode: E  | PA Method  | 8015M/D: Die   | esel Range  | Organics               |      |  |  |
| Client ID:  | PBS   | Batch ID  | ): <b>37</b>   | 459   | F  | aunNo: 5  | 0367   |  |   |                        |      |  |  |
| Prep Date:  | 4/6/2018  | Analysis Date   | e: 4/  | 6/2018  | S  | SeqNo: 1  | 632358   | Units: %Ree  | C   |                        |      |  |  |
| Analyte   |   | Result F  | PQL  | SPK value   | SPK Ref Val  | %REC  | LowLimit   | HighLimit  | %RPD  | RPDLimit               | Qual |  |  |
| Surr: DNOP  |   | 9.9   |  | 10.00   |  | 98.8  | 70   | 130  |   |                        |      |  |  |
|   |   | TestCode: EPA Method 8015M/D: Diesel Range Organics   |  |   |  |   |  |  |   |                        |      |  |  |
| Sample ID   | LCS-37453   | SampType  | e: LC  | s   | Tes  | tCode: E  | PA Method  | 8015M/D: Die   | esel Range  | organics               |      |  |  |
| Sample ID<br>Client ID:   | LCS-37453<br>LCSS   | SampType<br>Batch IE  | e: LC  | S<br>453  | Tes  | tCode: E<br>RunNo: 5  | PA Method<br>0366  | 8015M/D: Die   | esel Range  | • Organics             |      |  |  |
| Sample ID<br>Client ID:<br>Prep Date:   | LCS-37453<br>LCSS<br>4/5/2018   | SampType<br>Batch ID<br>Analysis Date   | e: LC<br>D: 37<br>e: 4/  | :S<br>453<br>6/2018   | Tes<br>R<br>S  | tCode: E<br>RunNo: 5<br>SeqNo: 1  | PA Method<br>0366<br>632359  | 8015M/D: Die<br>Units: mg/K  | esel Range  | organics               |      |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte  | LCS-37453<br>LCSS<br>4/5/2018   | SampType<br>Batch ID<br>Analysis Date<br>Result F   | e: LC<br>D: 37<br>e: 4/<br>PQL   | :S<br>453<br>6/2018<br>SPK value  | Tes<br>R<br>S<br>SPK Ref Val                                 | tCode: E<br>RunNo: 5<br>SeqNo: 1<br>%REC  | PA Method<br>0366<br>632359<br>LowLimit  | 8015M/D: Die<br>Units: mg/K<br>HighLimit   | esel Range<br>g<br>%RPD                                 | • Organics             | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (  | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)   | SampType<br>Batch IE<br>Analysis Date<br>Result F<br>48   | e: LC<br>D: 37<br>e: 4/<br>PQL<br>10   | 25<br>453<br>66/2018<br>SPK value<br>50.00  | Tes<br>R<br>S<br>SPK Ref Val<br>0                            | tCode: E<br>RunNo: 5<br>GeqNo: 1<br>%REC<br>96.7  | PA Method<br>0366<br>632359<br>LowLimit<br>70  | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130  | sel Range<br>g<br>%RPD                                  | e Organics             | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Surr: DNOP  | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)   | SampType<br>Batch ID<br>Analysis Date<br>Result F<br>48<br>4.6  | e: LC<br>): 37<br>e: 4/<br>PQL<br>10   | <b>5</b><br><b>453</b><br><b>6/2018</b><br><u>SPK value</u><br>50.00<br>5.000   | Tes<br>F<br>S<br>SPK Ref Val<br>0                            | tCode: E<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>96.7<br>92.9  | PA Method<br>0366<br>632359<br>LowLimit<br>70<br>70  | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130<br>130   | esel Range<br>G<br>%RPD                                 | e Organics             | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Surr: DNOP  | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)<br>MB-37453   | SampType<br>Batch ID<br>Analysis Date<br>Result F<br>48<br>4.6<br>SampType  | e: LC<br>D: 37<br>e: 4/<br>PQL<br>10<br>e: ME                                | <b>5</b><br><b>6/2018</b><br>SPK value<br>50.00<br>5.000<br>BLK   | Tes<br>R<br>SPK Ref Val<br>0<br>Tes                          | tCode: E<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>96.7<br>92.9<br>tCode: E                                | PA Method<br>0366<br>632359<br>LowLimit<br>70<br>70<br>PA Method                               | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130<br>130<br>8015M/D: Die                             | g<br>%RPD<br>esel Rango                                 | e Organics<br>RPDLimit | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Surr: DNOP<br>Sample ID<br>Client ID:   | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)<br>MB-37453<br>PBS  | SampType<br>Batch ID<br>Analysis Date<br>Result F<br>48<br>4.6<br>SampType<br>Batch ID  | e: LC<br>): 37<br>e: 4/<br>PQL<br>10<br>e: ME<br>): 37                       | S<br>453<br>6/2018<br>SPK value<br>50.00<br>5.000<br>BLK<br>453   | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F                     | tCode: E<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>96.7<br>92.9<br>tCode: E<br>RunNo: 5                    | PA Method<br>0366<br>632359<br>LowLimit<br>70<br>70<br>PA Method<br>0366                       | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130<br>130<br>8015M/D: Die                             | g<br>%RPD<br>esel Range                                 | e Organics<br>RPDLimit | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Surr: DNOP<br>Sample ID<br>Client ID:<br>Prep Date:   | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)<br>MB-37453<br>PBS<br>4/5/2018  | SampType<br>Batch ID<br>Analysis Date<br>Result F<br>48<br>4.6<br>SampType<br>Batch ID<br>Analysis Date                         | e: LC<br>): 37<br>e: 4/<br>PQL<br>10<br>e: ME<br>): 37<br>e: 4/              | 3LK<br>453<br>6/2018<br>50.00<br>5.000<br>3LK<br>453<br>6/2018  | Tes<br>F<br>S<br>SPK Ref Val<br>0<br>Tes<br>F<br>S           | Code: E<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>96.7<br>92.9<br>Code: E<br>RunNo: 5<br>SeqNo: 1          | PA Method<br>0366<br>632359<br>LowLimit<br>70<br>70<br>PA Method<br>0366<br>632360             | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130<br>130<br>8015M/D: Die<br>Units: mg/K              | g<br>%RPD<br>esel Range                                 | e Organics<br>RPDLimit | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Surr: DNOP<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte                                      | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)<br>MB-37453<br>PBS<br>4/5/2018  | SampType<br>Batch ID<br>Analysis Date<br>Result F<br>48<br>4.6<br>SampType<br>Batch ID<br>Analysis Date<br>Result F             | e: LC<br>D: 37<br>e: 4/<br>PQL<br>10<br>e: ME<br>D: 37<br>e: 4/              | S<br>453<br>6/2018<br>SPK value<br>50.00<br>5.000<br>3LK<br>453<br>6/2018<br>SPK value  | Tes<br>F<br>S<br>SPK Ref Val<br>0<br>Tes<br>F<br>SPK Ref Val | Code: E<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>96.7<br>92.9<br>Code: E<br>RunNo: 5<br>SeqNo: 1<br>%REC  | PA Method<br>0366<br>632359<br>LowLimit<br>70<br>70<br>PA Method<br>0366<br>632360<br>LowLimit | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130<br>130<br>8015M/D: Die<br>Units: mg/K<br>HighLimit | esel Rango<br>(g<br>%RPD<br>esel Rango<br>(g<br>%RPD    | e Organics<br>RPDLimit | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Surr: DNOP<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (                    | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)<br>MB-37453<br>PBS<br>4/5/2018<br>Organics (DRO)                      | SampType<br>Batch ID<br>Analysis Date<br>Result F<br>48<br>4.6<br>SampType<br>Batch ID<br>Analysis Date<br>Result F<br>ND       | e: LC<br>D: 37<br>e: 4/<br>PQL<br>10<br>e: ME<br>D: 37<br>e: 4/<br>PQL<br>10 | <ul> <li>S</li> <li>453</li> <li>6/2018</li> <li>SPK value</li> <li>50.00</li> <li>5.000</li> <li>3LK</li> <li>453</li> <li>76/2018</li> <li>SPK value</li> </ul> | Tes<br>F<br>S<br>SPK Ref Val<br>0<br>Tes<br>R<br>SPK Ref Val | Code: E<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>96.7<br>92.9<br>RCode: E<br>RunNo: 5<br>SeqNo: 1<br>%REC | PA Method<br>0366<br>632359<br>LowLimit<br>70<br>70<br>PA Method<br>0366<br>632360<br>LowLimit | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130<br>130<br>8015M/D: Die<br>Units: mg/K<br>HighLimit | esel Rango<br>9<br>%RPD<br>esel Rango<br>6<br>9<br>%RPD | e Organics<br>RPDLimit | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Surr: DNOP<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range (<br>Motor Oil Range | LCS-37453<br>LCSS<br>4/5/2018<br>Organics (DRO)<br>MB-37453<br>PBS<br>4/5/2018<br>Organics (DRO)<br>ge Organics (MRO) | SampType<br>Batch ID<br>Analysis Date<br>Result F<br>48<br>4.6<br>SampType<br>Batch ID<br>Analysis Date<br>Result F<br>ND<br>ND | e: LC<br>2: 37<br>20L<br>10<br>20L<br>10<br>20L<br>37<br>20L<br>10<br>50     | S<br>453<br>6/2018<br>SPK value<br>50.00<br>5.000<br>3LK<br>453<br>6/2018<br>SPK value  | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>R<br>SPK Ref Val      | Code: E<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>96.7<br>92.9<br>Code: E<br>RunNo: 5<br>SeqNo: 1<br>%REC  | PA Method<br>0366<br>632359<br>LowLimit<br>70<br>70<br>PA Method<br>0366<br>632360<br>LowLimit | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>130<br>130<br>8015M/D: Die<br>Units: mg/K<br>HighLimit | sel Rango<br>9<br>%RPD<br>esel Rango<br>5<br>%RPD       | e Organics<br>RPDLimit | Qual |  |  |

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

## Hall Environmental Analysis Laboratory, Inc.

#### Client: Animas Environmental Services

Project: DJR CBU Injection Plant Excavation

| Sample ID 1804149-001ams   | SampType: MS4 TestCode: EPA Method 8260B: Volatiles Short List |                |                |              |                             |           |              |             |          |      |  |
|----------------------------|--|----------------|----------------|--------------|-----------------------------|-----------|--------------|-------------|----------|------|--|
| Client ID: SC-1            | Batc   | h ID: 37       | 449            | RunNo: 50381 |                             |           |              |             |          |      |  |
| Prep Date: 4/5/2018        | Analysis Date: 4/6/2018  |                |                | 5            | SeqNo: 1                    | 633391    | Units: mg/Kg |             |          |      |  |
| Analyte                    | Result   | PQL            | SPK value      | SPK Ref Val  | %REC                        | LowLimit  | HighLimit    | %RPD        | RPDLimit | Qual |  |
| Benzene                    | 0.90   | 0.023          | 0.9398         | 0            | 95.5                        | 80        | 120          |             |          |      |  |
| Toluene                    | 0.92   | 0.047          | 0.9398         | 0            | 97.8                        | 80        | 120          |             |          |      |  |
| Ethylbenzene               | 1.0  | 0.047          | 0.9398         | 0            | 108                         | 80        | 120          |             |          |      |  |
| Xylenes, Total             | 3.1  | 0.094          | 2.820          | 0.02579      | 108                         | 80        | 120          |             |          |      |  |
| Surr: 4-Bromofluorobenzene | 0.46   |                | 0.4699         |              | 98.9                        | 70        | 130          |             |          |      |  |
| Surr: Toluene-d8           | 0.39   |                | 0.4699         |              | 82.9                        | 70        | 130          |             |          |      |  |
| Sample ID 1804149-001amsc  | I Samp   | Туре: М        | SD4            | Tes          | tCode: E                    | PA Method | 8260B: Vola  | tiles Short | List     |      |  |
| Client ID: SC-1            | Batc   | h ID: 37       | 449            | F            | RunNo: 5                    | 0381      |              |             |          |      |  |
| Prep Date: 4/5/2018        | Analysis [   | Date: 4/       | 6/2018         | S            | SeqNo: 1                    | 633392    | Units: mg/k  | (g          |          |      |  |
| Analyte                    | Result   | PQL            | SPK value      | SPK Ref Val  | %REC                        | LowLimit  | HighLimit    | %RPD        | RPDLimit | Qual |  |
| Benzene                    | 0.94   | 0.023          | 0.9302         | 0            | 101                         | 80        | 120          | 4.40        | 0        |      |  |
| Toluene                    | 0.95   | 0.047          | 0.9302         | 0            | 102                         | 80        | 120          | 3.49        | 0        |      |  |
| Ethylbenzene               | 1.1  | 0.047          | 0.9302         | 0            | 113                         | 80        | 120          | 3.97        | 0        |      |  |
| Xylenes, Total             | 3.2  | 0.093          | 2.791          | 0.02579      | 114                         | 80        | 120          | 3.73        | 0        |      |  |
| Surr: 4-Bromofluorobenzene | 0.46   |                | 0.4651         |              | 99.8                        | 70        | 130          | 0           | 0        |      |  |
| Surr: Toluene-d8           | 0.41   |                | 0.4651         |              | 87.4                        | 70        | 130          | 0           | 0        |      |  |
| Sample ID MB-37449         | Samp   | Гуре: МЕ       | BLK            | Tes          | tCode: E                    | PA Method | 8260B: Vola  | tiles Short | List     |      |  |
| Client ID: PBS             | Batc   | h ID: 37       | 449            | F            | RunNo: 5                    | 0381      |              |             |          |      |  |
| Prep Date: 4/5/2018        | Analysis D   | Date: 4/       | 6/2018         | S            | SeqNo: 1633401 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 | 0.59   |                | 0.5000         |              | 117                         | 70        | 130          |             |          |      |  |
| Surr: Toluene-d8           | 0.42   |                | 0.5000         |              | 84.5                        | 70        | 130          |             |          |      |  |
| Sample ID LCS-37449        | Sampl  | Type: LC       | s              | Tes          | tCode: E                    | PA Method | 8260B: Vola  | tiles Short | List     |      |  |
| Client ID: LCSS            | Batcl  | h ID: 37       | 449            | F            | RunNo: 5                    | 0381      |              |             |          |      |  |
| Prep Date: 4/5/2018        | Analysis D   | Date: 4/       | 6/2018         | 5            | SeqNo: 1                    | 634134    | Units: mg/ł  | (g          |          |      |  |
| Analyte                    | Result   | PQL            | SPK value      | SPK Ref Val  | %REC                        | LowLimit  | HighLimit    | %RPD        | RPDLimit | Qual |  |
| Benzene                    | 0.86   | 0.025          | 1.000          | 0            | 85.7                        | 80        | 120          |             |          |      |  |
|                            | 0.00   |                |                |              |                             |           |              |             |          |      |  |
| Toluene                    | 0.87   | 0.050          | 1.000          | 0            | 87.5                        | 80        | 120          |             |          |      |  |
| Toluene<br>Ethylbenzene    | 0.87   | 0.050<br>0.050 | 1.000<br>1.000 | 0            | 87.5<br>98.5                | 80<br>80  | 120<br>120   |             |          |      |  |

#### 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 Quanitative 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

WO#: 1804149

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09-Apr-18

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## Hall Environmental Analysis Laboratory, Inc.

#### **Client:** Animas Environmental Services Project: **DIR CBU Injection Plant Excavation**

|                            | e mjeenen i ium                             | Breuvation |             |           |              |             |      |          |      |
|----------------------------|---|------------|-------------|-----------|--------------|-------------|------|----------|------|
| Sample ID LCS-37449        | SampType: L                                 | Test       | tCode: El   | PA Method | 8260B: Volat | iles Short  | List |          |      |
| Client ID: LCSS            | Batch ID: 3                                 | R          | anNo: 5     | 0381      |              |             |      |          |      |
| Prep Date: 4/5/2018        | Prep Date: 4/5/2018 Analysis Date: 4/6/2018 |            |             | SeqNo: 1  | 634134       | Units: mg/K | g    |          |      |
| Analyte                    | Result PQL                                  | SPK value  | SPK Ref Val | %REC      | LowLimit     | HighLimit   | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.52  | 0.5000     |             | 103       | 70           | 130         |      |          |      |
| Surr: Toluene-d8           | 0.42  | 0.5000     |             | 84.1      | 70           | 130         |      |          |      |

Qualifiers:

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

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WO#:

## Hall Environmental Analysis Laboratory, Inc.

| Client:<br>Project:  | Animas Environmental Services<br>DJR CBU Injection Plant Excavation                                  |  |  |  |   |   |  |  |                                      |  |      |  |  |
|--|--|--|--|--|---|---|--|--|--------------------------------------|--|------|--|--|
| Sample ID  | 1804149-002ams   | SampT  | уре: М   | S  | TestCode: EPA Method 8015D Mod: Gasoline Range          |   |  |  |                                      |  |      |  |  |
| Client ID:   | SC-2   | Batch  | n ID: 37   | 7449   | F   | RunNo: 5  | 0381   |  |                                      |  |      |  |  |
| Prep Date:   | 4/5/2018   | Analysis D   | ate: 4   | /6/2018  | S   | SeqNo: 1  | 633354   | Units: mg/Kg   |                                      |  |      |  |  |
| Analyte  |  | Result   | PQL  | SPK value  | SPK Ref Val   | %REC  | LowLimit   | HighLimit  | %RPD                                 | RPDLimit                               | Qual |  |  |
| Gasoline Rang  | e Organics (GRO)   | 34   | 4.8  | 24.25  | 4.091   | 124   | 64.7   | 142  |                                      |  |      |  |  |
| Surr: BFB  |  | 540  |  | 485.0  |   | 112   | 70   | 130  |                                      |  |      |  |  |
| Sample ID  | 1804149-002amsd  | I SampT  | уре: М   | SD   | Tes   | tCode: El   | PA Method  | 8015D Mod:   | Gasoline                             | Range                                  |      |  |  |
| Client ID:   | SC-2   | Batch  | n ID: 37   | 7449   | R   | RunNo: 5  | 0381   |  |                                      |  |      |  |  |
| Prep Date:   | 4/5/2018   | Analysis D   | ate: 4   | /6/2018  | S   | SeqNo: 1  | 633355   | Units: mg/M  | (g                                   |  |      |  |  |
| Analyte  |  | Result   | PQL  | SPK value  | SPK Ref Val   | %REC  | LowLimit   | HighLimit  | %RPD                                 | RPDLimit                               | Qual |  |  |
| Gasoline Rang  | e Organics (GRO)   | 29   | 4.7  | 23.70  | 4.091   | 104   | 64.7   | 142  | 16.8                                 | 20                                     |      |  |  |
|  |  |  |  |  |   |   |  | 100  |                                      |  |      |  |  |
| Surr: BFB  |  | 560  |  | 473.9  |   | 118   | 70   | 130  | 0                                    | 0                                      |      |  |  |
| Surr: BFB<br>Sample ID   | lcs-37449  | 560<br>SampT   | ype: LO  | 473.9  | Tes   | 118<br>tCode: El  | 70<br>PA Method  | 130<br>8015D Mod:  | 0<br>Gasoline                        | 0<br>Range                             |      |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:   | lcs-37449<br>LCSS  | 560<br>SampT<br>Batch  | ype: L(  | 473.9<br>CS<br>7449  | Tes   | 118<br>tCode: El<br>RunNo: 5  | 70<br>PA Method<br>0381  | 8015D Mod:   | 0<br>Gasoline                        | 0<br>Range                             |      |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:   | lcs-37449<br>LCSS<br>4/5/2018  | 560<br>SampT<br>Batch<br>Analysis D  | ype: L(<br>n ID: 37<br>Date: 4   | 473.9<br>CS<br>/449<br>/6/2018   | Tes<br>F<br>S   | 118<br>tCode: El<br>RunNo: 5<br>SeqNo: 1  | 70<br>PA Method<br>0381<br>633365  | 130<br>8015D Mod:<br>Units: mg/k   | 0<br>Gasoline                        | 0<br>Range                             |      |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte  | lcs-37449<br>LCSS<br>4/5/2018  | 560<br>SampT<br>Batch<br>Analysis D<br>Result  | Type: L(<br>n ID: 37<br>Date: 4<br>PQL   | 473.9<br>CS<br>7449<br>/6/2018<br>SPK value  | Tes<br>F<br>S<br>SPK Ref Val                            | 118<br>tCode: El<br>RunNo: 5<br>SeqNo: 1<br>%REC  | 70<br>PA Method<br>0381<br>633365<br>LowLimit  | 130<br>8015D Mod:<br>Units: mg/K<br>HighLimit  | Gasoline<br>(g<br>%RPD               | 0<br>Range<br>RPDLimit                 | Qual |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang   | Ics-37449<br>LCSS<br>4/5/2018<br>e Organics (GRO)  | 560<br>SampT<br>Batch<br>Analysis D<br>Result<br>26  | ype: L(<br>n ID: 37<br>Date: 4<br>PQL<br>5.0   | 473.9<br>CS<br>7449<br>/6/2018<br>SPK value<br>25.00   | Tes<br>F<br>S<br>SPK Ref Val<br>0                       | 118<br>tCode: El<br>RunNo: 5<br>SeqNo: 10<br>%REC<br>105  | 70<br>PA Method<br>0381<br>633365<br>LowLimit<br>70  | 130<br>8015D Mod:<br>Units: mg/K<br>HighLimit<br>130   | Gasoline<br>(g<br>%RPD               | 0<br>Range<br>RPDLimit                 | Qual |  |  |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang<br>Surr: BFB   | Ics-37449<br>LCSS<br>4/5/2018<br>e Organics (GRO)  | 560<br>SampT<br>Batch<br>Analysis D<br>Result<br>26<br>530   | ype: L0<br>n ID: 37<br>Date: 4<br>PQL<br>5.0   | 473.9<br><b>7449</b><br><b>76/2018</b><br>SPK value<br>25.00<br>500.0                          | Tes<br>F<br>S<br>SPK Ref Val<br>0                       | 118<br>tCode: El<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>105<br>106  | 70<br>PA Method<br>0381<br>633365<br>LowLimit<br>70<br>70  | 130<br>8015D Mod:<br>Units: mg/k<br>HighLimit<br>130<br>130  | 0<br>Gasoline<br>(g<br>%RPD          | 0<br>Range<br>RPDLimit                 | Qual |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang<br>Surr: BFB<br>Sample ID   | Ics-37449<br>LCSS<br>4/5/2018<br>ee Organics (GRO)<br>MB-37449                                       | 560<br>SampT<br>Batch<br>Analysis D<br>Result<br>26<br>530<br>SampT  | ype: L(<br>n ID: 37<br>Date: 4<br>PQL<br>5.0   | 473.9<br>CS<br>7449<br>/6/2018<br>SPK value<br>25.00<br>500.0<br>BLK                           | Tes<br>F<br>SPK Ref Val<br>0<br>Tes                     | 118<br>tCode: EI<br>RunNo: 5<br>SeqNo: 10<br>%REC<br>105<br>106<br>tCode: EI                                | 70<br>PA Method<br>0381<br>633365<br>LowLimit<br>70<br>70<br>PA Method                               | 130<br>8015D Mod:<br>Units: mg/#<br>HighLimit<br>130<br>130<br>8015D Mod:  | Gasoline<br>%RPD<br>Gasoline         | 0<br>Range<br>RPDLimit<br>Range        | Qual |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang<br>Surr: BFB<br>Sample ID<br>Client ID:   | Ics-37449<br>LCSS<br>4/5/2018<br>e Organics (GRO)<br>MB-37449<br>PBS                                 | 560<br>SampT<br>Batch<br>Analysis D<br>Result<br>26<br>530<br>SampT<br>Batch                               | Type: L(<br>n ID: 37<br>Date: 4<br>PQL<br>5.0<br>Type: M<br>n ID: 37   | 473.9<br>7449<br>76/2018<br>SPK value<br>25.00<br>500.0<br>BLK<br>7449                         | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F                | 118<br>tCode: El<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>105<br>106<br>tCode: El<br>RunNo: 5                     | 70<br>PA Method<br>0381<br>633365<br>LowLimit<br>70<br>70<br>PA Method<br>0381                       | 130<br>8015D Mod:<br>Units: mg/k<br>HighLimit<br>130<br>130<br>8015D Mod:  | Gasoline<br>%RPD<br>Gasoline         | Range<br>RPDLimit<br>Range             | Qual |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang<br>Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:                             | Ics-37449<br>LCSS<br>4/5/2018<br>e Organics (GRO)<br>MB-37449<br>PBS<br>4/5/2018                     | 560<br>SampT<br>Batch<br>Analysis D<br>Result<br>26<br>530<br>SampT<br>Batch<br>Analysis D                 | Type:       L         n ID:       37         Date:       4         PQL       5.0         Type:       M         Type:       M         Date:       4         Date:       4         Date:       4 | 473.9<br>7449<br>/6/2018<br>SPK value<br>25.00<br>500.0<br>BLK<br>7449<br>/6/2018              | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F<br>S           | 118<br>tCode: EI<br>RunNo: 50<br>SeqNo: 10<br>%REC<br>105<br>106<br>tCode: EI<br>RunNo: 50<br>SeqNo: 10     | 70<br>PA Method<br>0381<br>633365<br>LowLimit<br>70<br>70<br>PA Method<br>0381<br>633366             | 130<br><b>8015D Mod:</b><br>Units: <b>mg/#</b><br>HighLimit<br>130<br>130<br><b>8015D Mod:</b><br>Units: <b>mg/#</b> | Gasoline<br>%RPD<br>Gasoline         | Range<br>RPDLimit                      | Qual |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang<br>Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte                  | Ics-37449<br>LCSS<br>4/5/2018<br>e Organics (GRO)<br>MB-37449<br>PBS<br>4/5/2018                     | 560<br>SampT<br>Batch<br>Analysis D<br>Result<br>26<br>530<br>SampT<br>Batch<br>Analysis D<br>Result       | ype: L(<br>n ID: 37<br>Date: 4<br>PQL<br>5.0<br>ype: M<br>n ID: 37<br>Date: 4<br>PQL   | 473.9<br>7449<br>/6/2018<br>SPK value<br>25.00<br>500.0<br>BLK<br>7449<br>/6/2018<br>SPK value | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F<br>SPK Ref Val | 118<br>tCode: El<br>RunNo: 5<br>SeqNo: 1<br>%REC<br>105<br>106<br>tCode: El<br>RunNo: 5<br>SeqNo: 1<br>%REC | 70<br>PA Method<br>0381<br>633365<br>LowLimit<br>70<br>70<br>PA Method<br>0381<br>633366<br>LowLimit | 130<br>8015D Mod:<br>Units: mg/k<br>HighLimit<br>130<br>130<br>8015D Mod:<br>Units: mg/k<br>HighLimit                | Gasoline<br>%RPD<br>Gasoline<br>%RPD | Range<br>RPDLimit<br>Range             | Qual |  |  |
| Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang<br>Surr: BFB<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Gasoline Rang | Ics-37449<br>LCSS<br>4/5/2018<br>e Organics (GRO)<br>MB-37449<br>PBS<br>4/5/2018<br>e Organics (GRO) | 560<br>SampT<br>Batch<br>Analysis D<br>Result<br>26<br>530<br>SampT<br>Batch<br>Analysis D<br>Result<br>ND | ype: L(<br>n ID: 37<br>pate: 4<br>PQL<br>5.0<br>ype: M<br>n ID: 37<br>pate: 4<br>PQL<br>5.0  | 473.9<br>7449<br>/6/2018<br>SPK value<br>25.00<br>500.0<br>BLK<br>7449<br>/6/2018<br>SPK value | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F<br>SPK Ref Val | 118<br>tCode: El<br>&unNo: 5<br>%REC<br>105<br>106<br>tCode: El<br>&unNo: 5<br>SeqNo: 1<br>%REC             | 70<br>PA Method<br>0381<br>633365<br>LowLimit<br>70<br>70<br>PA Method<br>0381<br>633366<br>LowLimit | 130<br>8015D Mod:<br>Units: mg/#<br>HighLimit<br>130<br>130<br>8015D Mod:<br>Units: mg/#<br>HighLimit                | Gasoline<br>%RPD<br>Gasoline<br>%RPD | Range<br>RPDLimit<br>Range<br>RPDLimit | Qual |  |  |

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 Quanitative 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

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WO#: **1804149** 



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 En       | vironmental  | Work  | Order Numbe       | er: 1804149           |                  | RcptNo:                          | 1               |
|------------------------------------|-----------------|--|---|-------------------|-----------------------|------------------|----------------------------------|-----------------|
|                                    |                 | · · · ·  |   |                   |                       |                  |                                  |                 |
| Received By:                       | Anne Tho        | me   | 4/4/201   | 8 7:40:00 AN      | 1. <sup>2</sup> .     | anni Hr.         | ÷ in .                           |                 |
| Completed By:                      | Anne Tho        | me   | 4/4/201   | 8 10:46:56 A      | M                     | anne Hr          |                                  |                 |
| Reviewed By:                       | VUS             |  | 91  | 1/18              | ••••                  |                  |                                  |                 |
| MW                                 | 4[5]11          |  |   |                   |                       | к <sup>6</sup> т |                                  |                 |
| Chain of Cust                      | ody             |  |   |                   |                       | ·                | X                                | e set i         |
| 1. Is Chain of Cu                  | stody comp      | lete?  |   |                   | Yes 🗹                 | No 🗌             | Not Present                      |                 |
| 2. How was the s                   | sample deliv    | ered?  |   |                   | Courier               | , <sup>.</sup>   |                                  |                 |
| Login                              |                 |  |   |                   |                       |                  |                                  |                 |
| 3. Was an attemp                   | pt made to c    | cool the sample  | es?   |                   | Yes 🖌                 | No 🗌             | NA 🗆                             |                 |
|                                    |                 |  |   |                   |                       |                  |                                  |                 |
| 4. Were all sampl                  | les received    | at a temperat  | ure of >0° C  | to 6.0°C          | Yes 🗹                 | No 🗌             | NA 🗌                             |                 |
| 5                                  |                 |  |   |                   |                       | N. 🗖             |                                  |                 |
| <ol> <li>Sample(s) in p</li> </ol> | roper contai    | iner(s)?   |   |                   | Yes 💌                 | NO               |                                  |                 |
| 6. Sufficient samp                 | ole volume f    | or indicated te  | st(s)?  |                   | Yes 🖌                 | No 🗌             |                                  |                 |
| 7. Are samples (e                  | except VOA      | and ONG) pro   | perly preserve  | ed?               | Yes 🗹                 | No 🗌             |                                  |                 |
| 8. Was preservati                  | ive added to    | bottles?   |   |                   | Yes 🗌                 | No 🗹             | NA 🗌                             |                 |
| 0.1404.111                         |                 |  |   |                   |                       |                  |                                  |                 |
| 9. VOA vials have                  | zero heads      | space?   |   |                   | Yes                   |                  | NO VUA VIAIS M                   |                 |
| IO, were any sam                   | pie containe    | ers received br  | okenr   |                   | res 🖵                 |                  | # of preserved                   | 114             |
| 11. Does paperwor                  | rk match bot    | ttle labels?   |   |                   | Yes 🗹                 | No 🗌             | for pH:                          | 510             |
| (Note discrepan                    | ncies on cha    | ain of custody)  |   |                   |                       |                  | (20)                             | 2 unless noted) |
| 2. Are matrices co                 | orrectly iden   | tified on Chain  | of Custody?   |                   | Yes 🗹                 | No 🗌             | Kulineteo .                      |                 |
| 3. Is it clear what                | analyses we     | ere requested?   |   |                   | Yes 🗹                 |                  | Checked by:                      | *               |
| (If no, notify cu                  | stomer for a    | uthorization.)   |   |                   | Yes 💌                 |                  | - Oneoneo by.                    |                 |
| Special Handli                     | na lif ena      | licable  |   |                   | · .                   |                  |                                  |                 |
| 15 Mag aliant not                  | ified of all di | AICADIE/   | ith this and af   |                   | V-a                   | No. [7]          | NIA                              |                 |
| 15, was client not                 |                 | screparicies w   | iui inis order  |                   | Tes 🛄                 |                  |                                  |                 |
| Person                             | Notified:       |  |   | Date              |                       |                  |                                  | . · · · ·       |
| By Whor<br>Recordin                | m:              | Contraction and a contraction of the |   | Via:              | eMail                 | Phone Fax        |                                  | 1               |
| Client In                          | structions:     | ARX204/JIP/Maxanana  | NAME OF THE OWNER OF | unadouna normaa n | LACOMPANYIA BADIALANA |                  | A LOOMA A LONG CONTRACTOR OF THE |                 |
| 16 Additional com                  | aarke:          |  |   |                   |                       |                  |                                  |                 |
| ro. Aquidonai ren                  | alks.           |  |   |                   |                       |                  |                                  |                 |
| 17. Cooler Inform                  | nation          | Condition  | Cooldinaria   | Long Hell         | Cool                  | Circle Dec       | ·                                |                 |
| Looler No                          | 1 0             | Good   | Yes   | Seal No           | Seal Date             | Signed By        | -                                |                 |
| 1                                  | 1.0             | Good   | Yes   |                   |                       |                  | ]                                |                 |

| UI UI   | idiii-        | บเ-บน       | stoay recora              |                         |   |                          | Ι.                                      |                                    |        |        |         |        | TD     | CAL | MC   |       | FAI           | r i            |
|---|---------------|-------------|---------------------------|-------------------------|---|--------------------------|---|------------------------------------|--------|--------|---------|--------|--------|-----|------|-------|---------------|----------------|
| Client  | Anima         | as Envir    | onmental Services         | X Standard              |   |                          |   | BLA                                |        | CTC    |         |        | MC     |     | 0 PI |       |               |                |
| and the second se |               |             |                           | Project Name:           |   |                          |   |                                    |        |        | L. T    | 313    |        | IDU | IKP  | 4 8 4 | JR            | L W            |
| Mailing Ad  | drace:        |             |                           |                         |   |                          |   |                                    | www    | halle  | enviro  | nmen   | tal.co | m   |      |       |               |                |
|   | uicas.        | 604 W       | Pinon St.                 | DJR CBU Inje            | ction Plant l   | Excavation               | 4901 Hawkins NE - Albuquerque, NM 87109 |                                    |        |        |         |        |        |     |      |       |               |                |
|   |               | Farmingt    | on, NM 87401              | Project #:              | •   |                          |   | Tel. 505-345-3975 Fax 505-345-4107 |        |        |         |        |        |     |      |       |               |                |
| Phone #:  | 505-56        | 4-2281      |                           |                         |   |                          | Analysis Request                        |                                    |        |        |         |        |        |     |      |       |               |                |
| Email or Fa   | ax#:          | tknight@    | animasenvironmental.com   | Project Manag           | er:   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
| QA/QC Pac   | kage:         |             |                           |                         | T. Knight   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
| X Standa  | rd            |             | Level 4 (Full Validation) |                         |   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
| Accreditati   | on:           |             |                           | Sampler: SG/S           | SJ  |                          |   | 0                                  |        |        |         |        |        |     |      |       |               |                |
| I NELAP   |               | Other_      |                           | On Ice:                 | D Yes   | D No                     |   | MR                                 |        |        |         |        |        |     |      |       |               |                |
|   | ype)          |             |                           | Sample Temp             | erature:  | 1.0                      |   | RO                                 |        |        |         |        |        |     |      |       |               | N N            |
| Date  | Time          | Matrix      | Sample Request ID         | Container<br>Type and # | Preservative<br>Type  | HEAL No.                 | 021B - BTEX                             | 015M - DRO/G                       |        |        |         |        |        |     |      |       |               | r Bubbles (Y o |
|   |               |             |                           |                         |   | 1804149                  | 8                                       | 80                                 |        | +      | +       |        | _      |     |      | -     | $\rightarrow$ | - Ă            |
| 4/3/18  | 11:03         | Soil        | SC-1                      | 2 - 4oz jar             | cool  | 05                       | X                                       | X                                  |        |        |         |        |        |     |      |       |               |                |
| 4/3/18  | 11:11         | Soil        | SC-2                      | 2 - 4oz jar             | cool  | -7.02                    | Х                                       | X                                  |        |        |         |        |        |     |      |       |               |                |
| 4/3/18  | 11:19         | Soil        | SC-3                      | 2 - 4oz jar             | cool  | -203                     | x                                       | x                                  |        |        |         |        |        |     |      |       |               |                |
|   |               |             |                           |                         |   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
|   |               |             |                           |                         |   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
|   |               |             |                           |                         |   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
|   |               |             |                           |                         | _   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
|   |               |             |                           |                         |   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
|   |               |             |                           |                         |   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
|   |               |             |                           |                         | , in the second s |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
| and a date of the second second second  |               |             |                           |                         |   |                          |   |                                    |        |        |         |        |        |     |      |       |               |                |
| Date:<br>1/3/18   | Time:<br>1542 | Relinquishe | H. Hemorft                | Received by:            | uhet  | Date Time<br>4/3/18 /SYZ | Ren                                     | narks                              | Please | call w | rith an | ny que | stions | 3   |      |       |               |                |
| Date:   | Time:         | Relinquishe | ed by:                    | Received by:            | 1   | Date Time<br>04/04/17    |   |                                    |        |        |         |        |        |     |      |       |               |                |
| 13/18   | 1021          | Ignas       | tuillalla                 | 1 (1)                   | 2-11  | 0740                     |   |                                    |        |        |         |        |        |     |      |       |               |                |

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