

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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: DJR Operating, LLC	OGRID: 371838
Contact Name: Dave Brown	Contact Telephone: 1-505-632-3476
Contact email: dbrown@djrlc.com	Incident # (assigned by OCD) nCS1936437481
Contact mailing address 1 Road 3263 Aztec, NM 87410	

Location of Release Source

Latitude 36.2301712 Longitude -107.5428391
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Lybrook Yard WDW #1	Site Type: Water Disposal
Date Release Discovered: November 10, 2019	API# (if applicable) 30-039-27533

Unit Letter	Section	Township	Range	County
B	14	23N	07W	Rio Arriba

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7 bbls	Volume Recovered (bbls) 7 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

The release was due to an incorrect seal gasket in the wellhead that failed due to corrosion. The release was contained within the building containing the wellhead

Type text here

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Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.
Printed Name: <u>Dave Brown</u> Title: <u>Manager of Government and Regulatory Affairs</u>
Signature: <u>Dave Brown</u> Date: <u>December 18, 2019</u>
email: <u>dbrown@djrlc.com</u> Telephone: <u>505-632-3476</u>
<u>OCD Only</u>
Received by: _____ Date: _____

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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larissa Farrell Title: Regulatory Specialist

Signature:  Date: 6/30/2020

email: lfarrell@djrlc.com Telephone: 505-444-0289

OCD Only

Received by: OCD Date: 7/1/2020

Incident ID	
District RP	
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Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

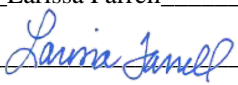
- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Larissa Farrell Title: Regulatory Specialist

Signature:  Date: 6/30/2020

email: lfarrell@djrlc.com Telephone: 505-444-0289

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larissa Farrell Title: Regulatory Specialist

Signature:  Date: 6/30/2020

email: lfarrell@djrlc.com Telephone: 505-444-0289

OCD Only

Received by: OCD Date: 7/1/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 1/8/2021

Printed Name: Cory Smith Title: Environmental Specialist

Closure approval was based on the following:

- Site was delineated both vertically and horizontally
- Impacts are limited to the immediate proximity surrounding an Oil and Gas Injection well bore
- Remaining contaminants of concerns were determined to not be a threat for vertical migration due the minimal concentration and the 20+ feet of separation between impacts and potential ground water.



June 22, 2020

Project #17035-0166
NMOCD Incident #NCS1936437481Ms. Larissa Farrell
DJR Operating, LLC
1 Road 3263
Aztec, New Mexico 87410Phone: (505) 632-3476
E-mail: lfarrell@djrlc.com**RE: Produced Water Release Delineation at the Lybrook Yard WDW #1 Water Disposal Site, Located in Section 14, Township 23 North, Range 7 West, Rio Arriba County, New Mexico**

Dear Ms. Farrell,

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was retained by DJR Operating, LLC (DJR) to provide release and remediation excavation assessments for a 7-barrel, produced water release that occurred at the Lybrook Yard WDW #1 water disposal site (API: 30-039-27533) located in Section 14, Township 23 North, Range 7 West, Rio Arriba County, New Mexico; see enclosed **Figure 1, Vicinity Map**.

INITIAL RELEASE ASSESSMENT – JANUARY 2020

Envirotech personnel arrived at the site on January 13, 2020, to conduct release assessment activities. Upon arrival, a job safety analysis (JSA) and site assessment was performed before field activities commenced. Utilizing a hand auger, three (3) soil borings were advanced into the subsurface within the wellhead vault and two (2) soil borings were advanced within the footprint of the building containing the wellhead. All borings were advanced within the visibly impacted extents of the release. Assessment activities are documented in the enclosed **Appendix A, Field Notes**.

Field Screening

Soil samples were collected at 1-foot intervals in each boring for field screening to a maximum depth of 3 feet below ground surface (bgs). Note, auger refusal within the wellhead vault was at 1-foot bgs. Screening was conducted for volatile organic compounds (VOCs) utilizing a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. Additional screening was conducted for field analysis of total petroleum hydrocarbons (TPH) per EPA Method 418.1. TPH analysis was conducted utilizing an Infracal Total Oil and Gas (TOG)/ TPH Analyzer, which was calibrated prior to conducting soil analyses.



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 Lybrook WDW #1
 January – April 2020
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Field analytical protocol followed the manufacture's operating procedure. Field screening results are documented in **Appendix B, EPA 418.1 Reports**.

Sample Collection for Laboratory Analysis

Per 19.15.29.11(A)(5)(d) New Mexico Administrative Code (NMAC) two (2) soil samples were to be submitted for laboratory analysis from each borehole at the "highest observed contamination and deepest depth investigated". However, only the samples with the highest field screened VOC and TPH results were submitted for laboratory analysis due to the shallow depth of the boreholes. The following soil samples from the borings were collected for laboratory analysis: South End @ 3', North East End @ 3', and East Soil Boring @ 1'.

The soil samples were placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory. The samples were analyzed for TPH as gasoline, diesel, and oil range organics (GRO/DRO/ORO) using EPA Method 8015D; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using EPA Method 8021B; and chlorides using EPA Method 300.0.

Regulatory Standards

The release was contained within the footprint of the wellhead building; depth to groundwater was assessed as being between 50 and 100 feet; however, an unnamed ephemeral stream transects the well pad. Based on the subject Siting Criteria, the following New Mexico Oil Conservation Division (NMOCD) closure criteria from *Table 1 in 19.15.29.12 NMAC* was used as the release closure criteria:

Constituent	Method	Limit
Chloride	EPA 300.0	600 mg/kg
TPH (GRO+DRO + ORO)	EPA Method 8015D	100 mg/kg
BTEX	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg

Siting criteria documentation for the subject well site is provided in **Appendix C, Siting Documentation**.

Assessment Laboratory Analytical Results

The laboratory analytical results were below laboratory detection limits and applicable release closure criteria for BTEX and benzene in all soil samples analyzed. TPH was reported above the regulatory standard off 100 mg/kg in East Soil Boring @ 1' at 2,230 mg/kg; note this sample was collected within the wellhead vault.



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All soil samples collected reported a concentration of chloride above the regulatory standard of 600 mg/kg with the highest concentration being reported in East Soil Boring @ 1' (3,900 mg/kg). Laboratory analytical results are appended in the enclosed **Table 1, Summary of Soil Analytical Results** and **Appendix D, Laboratory Analytical Reports**.

REMEDIATION EXCAVATION ASSESSMENT – MARCH 2020

Based on the initial site assessment laboratory analytical results, DJR contractors removed the wellhead building and proceeded with a remediation excavation around the subject wellhead. On March 3 and 4, 2020, Envirotech returned to the site to conduct field screening and collect soil samples for laboratory analysis as the excavation progressed. The following sections discuss the excavation soil sample results.

Field Screening – March 3, 2020

On March 3, 2020, the building and well vault were removed, and soils were excavated within the building footprint to approximately 2 feet bgs. Soil samples were collected from each of the side walls and base of the excavation for field screening. Screening was conducted for VOCs and TPH using the protocols discussed in the sections above. The samples were also field screened for chlorides using a Hach Chloride Test Kit. Site activities are documented in **Appendix E, Site Photography**.

VOCs readings ranged from 0.0 ppm in the west wall sample to 1.8 ppm in the south wall sample. TPH concentrations ranged from 8 mg/kg in the north wall to 316 mg/kg in the south wall. Chloride concentrations ranged from 968 mg/kg in the west and south walls to 1,841 mg/kg in the north wall.

Field Screening – March 4, 2020

Based on prior field screening results the excavation was extended about 1 foot beyond the building footprint and to a total depth of 3 feet bgs. Envirotech returned to the site on March 4, 2020, to assess the excavation. Field screening results included VOCs readings ranging from 0.0 ppm in the north and east walls to 1.4 ppm in the south wall. TPH concentrations ranged from 52 mg/kg in the north wall to 176 mg/kg in the east wall. Chloride concentrations ranged from 894 mg/kg in the south wall to 1,316 mg/kg in the base of the excavation. Field screening results are documented in **Appendix A, Field Notes** and **Appendix B, EPA 418.1 Reports**.

Remediation Excavation Sampling and Laboratory Analytical Results – March 4, 2020

Based on the highest field screened TPH concentration results, the east wall soil sample was submitted for laboratory analysis. The sample was analyzed per the protocol previously discussed



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in this report. The laboratory analytical results were below laboratory detection limits and applicable release closure criteria for BTEX and benzene in the soil sample analyzed. TPH as DRO and ORO was reported above regulatory standard of 100 mg/kg at 359 mg/kg. The concentration of chloride was also reported above the regulatory standard with at 1,690 mg/kg.

REMEDiation EXCAVATION DELINEATION – MARCH 2020

Based on the field screening results and laboratory analytical result of the excavation extents, DJR elected to continue the excavation to complete the remediation action. The excavation was extended to approximately 23 feet by 16 feet and a total depth of 7 feet bgs; at which point the excavation was halted to maintain the integrity of the wellhead.

Envirotech personnel hand augered horizontally into the south, west, and north walls approximately 2 feet to obtain soil samples for laboratory analysis. Also, a soil boring was extended horizontally 4 feet in the east wall to obtain a soil sample, and a soil boring was advanced vertically approximately 4 feet in the base of the excavation to obtain a sample at 11 feet bgs. The samples were submitted to the laboratory for analysis of TPH, BTEX, and chloride. Excavation extents and soil sample locations are illustrated in **Figure 3, Soil Sample Locations**.

Remediation Excavation Delineation Laboratory Analytical Results

The analytical results for the extended delineation excavation extent samples were below laboratory detection limits and applicable closure criteria for TPH, BTEX, benzene, and chloride in all soil samples analyzed except for chloride in the base. The chloride concentration in the excavation base at 11 feet bgs was reported as 1,440 mg/kg.

Based on the laboratory analytical results, Envirotech returned to the site on March 20, 2020, and utilizing a hand auger collected another sample from the base of the excavation at a depth of 19 feet bgs. The soil boring was advanced approximately 6 feet from the wellhead. The sample was analyzed for chlorides only, and analytical results reported the chloride concentration as 898 mg/kg. Laboratory analytical results are appended in the enclosed **Table 1, Summary of Soil Analytical Results** and **Appendix D, Laboratory Analytical Reports**.

RELEASE DELINEATION – APRIL 2020

On April 1-3, 2020, DJR's contractor installed five (5) soil borings utilizing a hollow stem auger drill rig to a total depth of 50 feet bgs. Note that borehole (BH) 01 was approximately 6 feet from the wellhead. Groundwater was not encountered in any of the soil borings. The location of the soil borings is illustrated on **Figure 4, Soil Boring Locations** and lithology of the soil borings is documented in **Appendix F, Soil Boring Logs**.



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 Lybrook WDW #1
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Release Delineation Soil Sample Collection and Laboratory Analytical Results

Seven (7) soil samples were submitted for laboratory analysis from BH01. Two (2) samples were collected from BH02 through BH05. Soil samples were collected in individual laboratory provided 4-ounce glass jars, capped head space free, and transported on ice under chain of custody to Envirotech Analytical Laboratory. The soil samples were analyzed for BTEX, TPH, and chloride except for samples collected from BH01 at 13 feet to 27.5 feet due to poor recovery. The volume of soil recovered was sufficient for chloride analysis only.

The analytical results from all five (5) soil borings reported concentrations of BTEX, benzene, and TPH below laboratory detection limits and applicable release closure criteria for all soil samples analyzed. Chloride concentrations were reported below the release closure criteria of 600 mg/kg for all samples analyzed with the exception of BH01 @ 13'-15' (870 mg/kg) and BH01 @ 27.5'-30' (1,530 mg/kg). Laboratory analytical results are appended in the enclosed **Table 2, Soil Boring Analytical Results** and **Appendix D, Laboratory Analytical Reports**.

SUMMARY AND CONCLUSIONS

January through April 2020 Envirotech, in conjunction with multiple DJR contractors, completed release assessment, remediation excavation, and delineation activities at the Lybrook WDW #1 disposal well site. Based on the remediation excavation, site delineation activities, and associated laboratory analytical results concentrations of BTEX and TPH are below applicable release closure criteria at the active well site in the areas investigated. Chloride concentrations are also below applicable release closure criteria in all soil samples collected with the exception of samples collected in proximity of the wellhead at depths ranging from 13 feet to 15 feet, 19 feet, and 27.5 feet to 30 feet.

No Further Action Request

Envirotech recommends that DJR requests **No Further Action** from NMOCD and that the subject release is closed based on the following information:

1. At the time of the release, the fluid was contained within the footprint of the wellhead building.
2. Depth to groundwater was confirmed to be greater than 50 feet bgs. The upper 4 feet of the area investigated does not contain BTEX or TPH above laboratory detection levels and chloride concentrations are below laboratory detection limits or the target criteria of 600 mg/kg. Therefore, the remediation excavation resulted in protection of surface waters. Based on depth to groundwater and removal of contaminants in the upper 4 feet of the release area, the subject release should be closed.

Closure approval was based on the following:

- Site was delineated both vertically and horizontally
- Impacts are limited to the immediate proximity surrounding an Oil and Gas Injection well bore.
- Remaining contaminants of concerns were determined to not be a threat for vertical migration due the minimal



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that the chloride concentrations detected in the subsurface (13 to 15 feet, 19 feet, and 27.5 to 30 feet bgs) are associated with the installation of the well.

4. Elevated chloride concentrations were not found deeper than 30 feet bgs in the areas investigated. Based on the vertical delineation of chloride concentrations and the fact that depth to groundwater is greater than 50 feet bgs, it is Envirotech's opinion that it is highly unlikely that groundwater would be impacted by elevated chloride concentrations found in the subsurface. Therefore, the chloride remaining in proximity to the active wellbore does not pose a threat to fresh water, public health, or the environment.

We appreciate the opportunity to be of service. If you have any questions or if you need additional information, please contact our office at (505) 632-0615.

Sincerely,

ENVIROTECH INC.

A handwritten signature in blue ink, appearing to read 'Tami C. Knight', is positioned above a horizontal line.

Tami C. Knight, CHMM
Environmental Project Manager
Manager
tknight@envirotech-inc.com
envirotech-inc.com

Reviewed By:

A handwritten signature in blue ink, appearing to read 'Felipe Aragon', is positioned above a horizontal line.

Felipe Aragon, CHMM, CES
Environmental Assistant

faragon@envirotech-inc.com

Enclosures: Figure 1, *Vicinity Map*
Figure 2, *Site Map*
Figure 3, *Soil Sample Locations*
Figure 4, *Soil Boring Locations*
Table 1, *Summary of Soil Analytical Results*
Table 2, *Soil Boring Analytical Results*
Appendix A, *Field Notes*
Appendix B, *EPA 418.1 Reports*
Appendix C, *Siting Documentation*
Appendix D, *Laboratory Analytical Reports*
Appendix E, *Site Photography*
Appendix E, *Soil Boring Logs*

Cc: Client File 17035

FIGURES

Figure 1, Vicinity Map

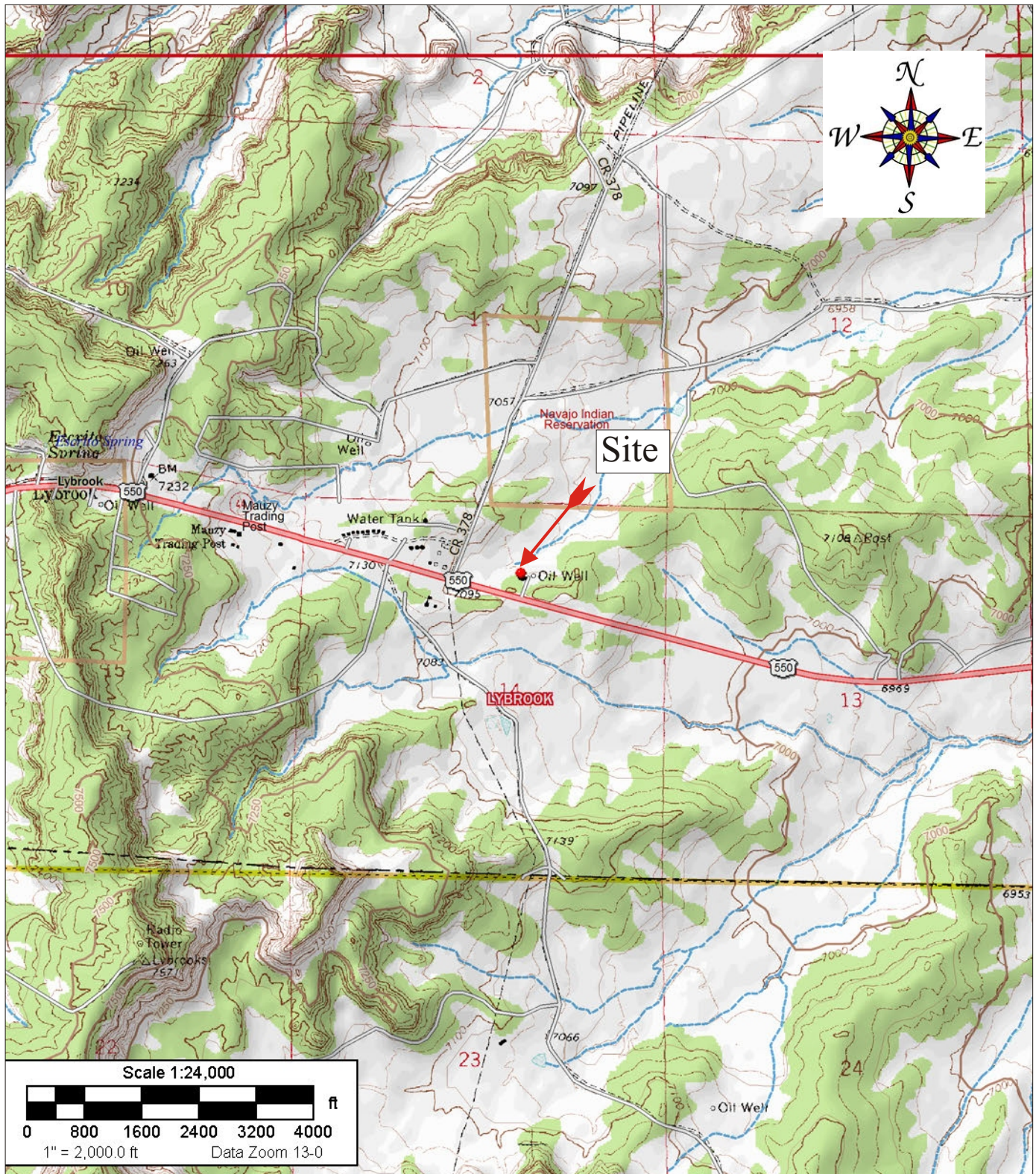
Figure 2, Site Map

Figure 3, Soil Sample Locations

Figure 4, Soil Boring Locations



Practical Solutions for a Better Tomorrow



Source: 7.5 Minute, Lybrook, New Mexico U.S.G.S. Topographic Quadrangle Map
 Scale: 1:24,000 1" = 2,000

DJR Operating, LLC
 Lybrook Yard WDW #1 Water Disposal Site
 Section 14, Township 23N, Range 7W
 Rio Arriba County, New Mexico
 36.23019, -107.54286
 NMOCD Incident #NCS1936437481



5796 U.S. HIGHWAY 64
 Farmington, New Mexico 87401
 505.632.0615

Vicinity Map

Figure #1

Project Number: 17035-0166

Date Drawn: 6/10/2020

DRAWN BY:
 Brittany Hall

PROJECT MANAGER:
 Felipe Aragon



Legend

 - Release Area



envirotech

Released to: Imaging 4/8/2021 11:29:21 AM 505-632-0615

MAP DRAWN BY:

BAH
6/10/2020

REVISIONS BY:

NAME
DATE

APPROVED BY:

NAME
DATE

1"= 45'



Figure 2, Site Map

DJR Operating, LLC
Produced Water Release Delineation
Lybrook Yard WDW #1 Water Disposal Site
Section 14, Township 23N, Range 7W
Rio Arriba County, New Mexico
36.23019, -107.54286
Project #17035-0166
NMOCD Incident #NCS1936437481



Legend

- Excavation
- - North Pot Hole ● - Base Pot Hole
- - East Pot Hole ● - West Pot Hole
- - South Pot Hole ⊕ - Well Head



envirotech

MAP DRAWN BY:

BAH
6/10/2020

REVISIONS BY:

NAME
DATE

APPROVED BY:

NAME
DATE

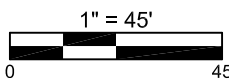


Figure 3, Soil Sample Location Map

DJR Operating, LLC
Produced Water Release Delineation
Lybrook Yard WDW #1 Water Disposal Site
Section 14, Township 23N, Range 7W
Rio Arriba County, New Mexico
36.23019, -107.54286
Project #17035-0166
NMOCD Incident #NCS1936437481

SAMPLE ID
 SAMPLE DATE
 B: BENZENE IN MILLIGRAMS PER KILOGRAM (mg/kg)
 BTEX: TOTAL BTEX = BENZENE, TOLUENE, ETHYLBENZENE,
 AND TOTAL XYLENES (mg/kg)
 TPH: TOTAL PETROLEUM HYDROCARBONS (mg/kg)
 Cl: CHLORIDE (mg/kg)
 <: INDICATES RESULT IS LESS THAN THE
 LABORATORY REPORTING LIMIT
BOLD: INDICATES RESULT EXCEEDS THE
 APPLICABLE STANDARD
 NA: NOT ANALYZED

BH01@13'-15'	BH01@18'-20'	BH01@23'-25'	BH01@25'-27.5'	BH01@27.5'-30'	BH01@42.5'-45'	BH01@47.5'-50'
4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/1/2020	4/2/2020	4/2/2020
B: NA	B: NA	B: NA	B: NA	B: <0.0250	B: <0.0250	B: <0.0250
BTEX: NA	BTEX: NA	BTEX: NA	BTEX: NA	BTEX: <0.1	BTEX: <0.1	BTEX: <0.1
TPH: NA	TPH: NA	TPH: NA	TPH: NA	TPH: <95.0	TPH: <95.0	TPH: <95.0
Cl: 870	Cl: 405	Cl: 167	Cl: 323	Cl: 1,530	Cl: 293	Cl: 80.6

BH03@22.5'-25'	BH03@42.5'-45'
4/2/2020	4/2/2020
B: <0.0250	B: <0.0250
BTEX: <0.1	BTEX: <0.1
TPH: <95.0	TPH: <95.0
Cl: <20.0	Cl: <20.0

BH02@12.5'-15'	BH02@42.5'-45'
4/2/2020	4/2/2020
B: <0.0250	B: <0.0250
BTEX: <0.1	BTEX: <0.1
TPH: <95.0	TPH: <95.0
Cl: 261	Cl: 530

BH05@22.5'-25'
4/3/2020
B: <0.0250
BTEX: <0.1
TPH: <95.0
Cl: 412

BH05@42.5'-45'
4/3/2020
B: <0.0250
BTEX: <0.1
TPH: <95.0
Cl: 117

BH04@17.5'-20'	BH04@42.5'-45'
4/3/2020	4/3/2020
B: <0.0250	B: <0.0250
BTEX: <0.1	BTEX: <0.1
TPH: <95.0	TPH: <95.0
Cl: 295	Cl: 123

LEGEND

● BOREHOLE

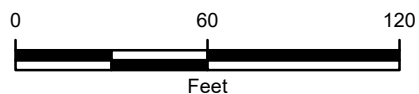


IMAGE COURTESY OF ESRI



FIGURE 4
 SOIL BORING LOCATIONS
 LYBROOK WDW #001
 NWN SEC 14-T23N-R7W
 RIO ARRIBA COUNTY, NEW MEXICO
 DJR OPERATING, LLC



TABLES

Table 1, Summary of Soil Analytical Results

Table 2, Soil Boring Analytical Results



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Table 1, Summary of Soil Analytical Results
DJR Operating, LLC - Release Delineation Report
Lybrook WDW #1; API: 30-039-27533
Section 14, Township 23N, Range 7W
Rio Arriba County, New Mexico
Project #17035-0166
#NCS1936437481

Sample Description*	Date	Sample Depth (ft)	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
NMOCD Release and Reclamation Closure Criteria (19.15.29.12 NMAC Table 1 and 19.15.29.13(D)(1))			100 mg/kg			10 mg/kg	50 mg/kg	600 mg/kg
South End @ 3'	1/13/2020	3.0	<20.0	59.2	<50.0	<0.0250	<0.125	1,620
North East End @ 3'		3.0	<20.0	<25.0	<50.0	<0.0250	<0.125	1,970
East Soil Boring @ 1'		1.0	<20.0	1,260	970	<0.0250	<0.125	3,900
East Wall	3/4/2020		<20.0	178	181	<0.0250	<0.125	1,690
South Pot Hole +2'	3/16/2020	0.5-2.0	<20.0	<25.0	<50.0	<0.0250	<0.125	<20.0
West Pot Hole +2'		0.5-2.0	<20.0	<25.0	<50.0	<0.0250	<0.125	<20.0
North Pot Hole + 2'		0.5-2.0	<20.0	<25.0	<50.0	<0.0250	<0.125	222
East Pot Hole + 4'		1.0-4.0	<20.0	<25.0	<50.0	<0.0250	<0.125	22.9
Base Pot Hole @ 11'		11.0	<20.0	<25.0	<50.0	<0.0250	<0.125	1,440
Base Pot Hole @ 19'	3/20/2020	19.0	NA	NA	NA	NA	NA	898

*5-point composite soil samples; **BOLD** - above NMOCD Closure Criteria

NA = Not Analyzed



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TABLE 2
SOIL BORING ANALYTICAL RESULTS

LYBROOK WDW #001
RIO ARriba COUNTY, NEW MEXICO
DJR OPERATING, LLC

Soil Sample Identification	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	TPH (mg/kg)
BH01 @ 13'-15'	4/1/2020	NA	NA	NA	NA	NA	870	NA	NA	NA	NA
BH01 @ 18'-20'	4/1/2020	NA	NA	NA	NA	NA	405	NA	NA	NA	NA
BH01 @ 23'-25"	4/1/2020	NA	NA	NA	NA	NA	167	NA	NA	NA	NA
BH01 @ 25'-27.5'	4/1/2020	NA	NA	NA	NA	NA	323	NA	NA	NA	NA
BH01 @ 27.5'-30'	4/1/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	1530	<20.0	<25.0	<50.0	<95.0
BH01 @ 42.5'-45'	4/2/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	293	<20.0	<25.0	<50.0	<95.0
BH01 @ 47.5'-50'	4/2/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	80.6	<20.0	<25.0	<50.0	<95.0
BH02 @ 12.5'-15'	4/2/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	261	<20.0	<25.0	<50.0	<95.0
BH02 @ 42.5'-45'	4/2/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	530	<20.0	<25.0	<50.0	<95.0
BH03 @ 22.5'-25'	4/2/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	<20.0	<20.0	<25.0	<50.0	<95.0
BH03 @ 42.5'-45'	4/2/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	<20.0	<20.0	<25.0	<50.0	<95.0
BH04 @ 17.5'-20'	4/3/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	295	<20.0	<25.0	<50.0	<95.0
BH04 @ 42.5'-45'	4/3/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	123	<20.0	<25.0	<50.0	<95.0
BH05 @ 22.5'-25'	4/3/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	412	<20.0	<25.0	<50.0	<95.0
BH05 @ 42.5'-45'	4/3/2020	<0.0250	<0.0250	<0.0250	<0.0250	<0.1	117	<20.0	<25.0	<50.0	<95.0
NMOCB Closure Criteria		10	NE	NE	NE	50	600	NE	NE	NE	100

NOTES:

BTEX - benzene, toluene, ethylbenzene, and total xylenes analyzed by US EPA Method 8021B

DRO - diesel range organics analyzed by US EPA Method 8015D

GRO - gasoline range organics analyzed by US EPA Method 8015D

mg/kg - milligrams per kilogram

NA - not analyzed

NE - not established

NMOCB - New Mexico Oil Conservation Division

ORO - oil range organics analyzed by US EPA method 8015D

TPH - total petroleum hydrocarbon (sum of GRO, DRO, and MRO)

< - indicates result is less than the stated laboratory reporting limit

Bold - indicates value exceeds stated NMOCB standard

APPENDIX A

Field Notes

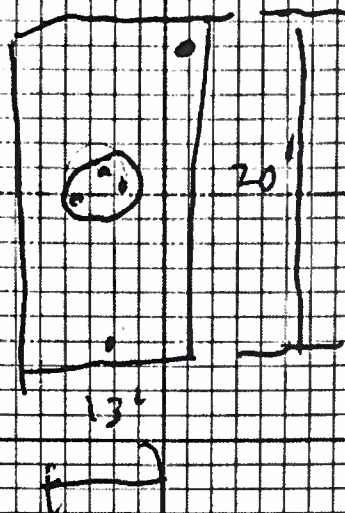


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DJR LLC

Lybrook Yard WDW #1

N



background
14.2 ex

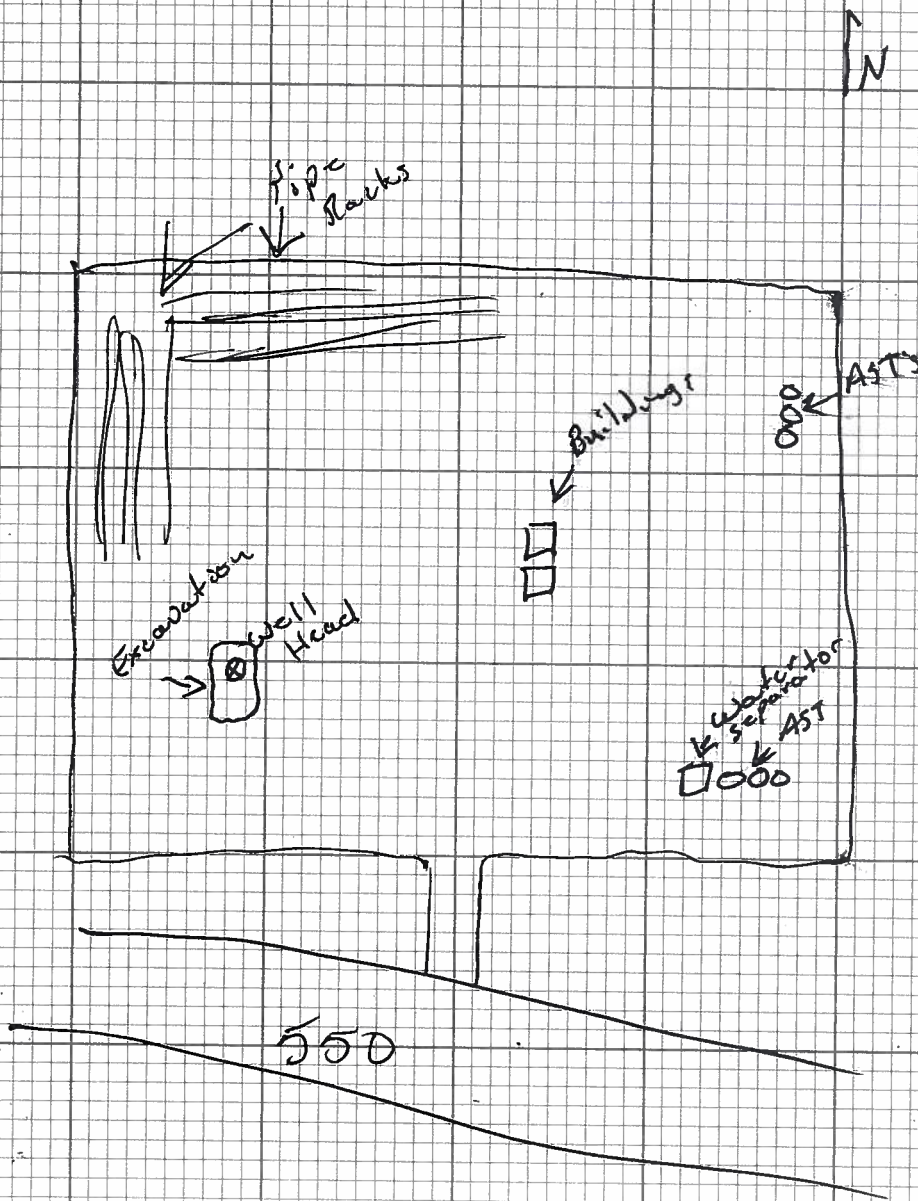
NSB1 @ 1'	1.0 HzS	16.4 voc's	64 ppm
ESB1 @ 1'	1.0 HzS	18 voc's	1316 ppm Cl-
WSB1 @ 1'		12.9 voc's	52 ppm
South end @ 1'	1.5 HzS	20.8 voc's	57 ppm Cl-
@ 2'		39.9 voc's	57 ppm Cl-
@ 3'		11.4 voc's	20.31 ppm
NE corner @ 1'	0.5 HzS	11.4 voc's	31 ppm
@ 2'	0.5 HzS	00	50 ppm Cl-
@ 3'	1.5 HzS	00	3.6 ppm Cl-

3/3/20

Sample	Time	Reading	TPH	ovm	Chlorides
200 STD	4:26	208			
Base	4:30	$69 \times 4 =$	276	.03	1,239
West Wall	4:34	$71 \times 4 =$	44	0.0	968
North Wall	4:36	$2 \times 4 =$	8	.04	1,341
East Wall	4:39	$61 \times 4 =$	244	1.7	1,341
South Wall	4:41	$79 \times 4 =$	316	1.8	968

3/4/20

Sample	Time	Reading	TPH	ovm	Chlorides
200 STD	12:43	199			
Base	12:47	$38 \times 4 =$	152	0.2	1,129
North Wall	12:52	$13 \times 4 =$	52	0.0	1,219
East Wall	12:55	$44 \times 4 =$	176	0.0	1,219
South Wall	12:58	$41 \times 4 =$	164	1.4	1,045
West Wall	1:05	$15 \times 4 =$	60	0.6	894
Base					1,316
North Wall +1'					1,129
East wall +1'					967
South wall +1'					894
West wall +1'					967



APPENDIX B

EPA 418.1 Reports



Practical Solutions for a Better Tomorrow



**CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Cal. Date: 3-Mar-20

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	208
	200	
	500	
	1000	
	5000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Isaac Garcia

Analyst

3/16/2020

Date

Isaac Garcia

Print Name

A handwritten signature in blue ink, appearing to read 'Felipe Aragon', written over a horizontal line.

Review

3/16/2020

Date

Felipe Aragon, CES, CHMM

Print Name

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	1	Date Reported:	3/16/2020
Sample ID:	Base	Date Sampled:	3/3/2020
Sample Matrix:	Soil	Date Analyzed:	3/3/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	276	5.0
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Issac Garcia

Analyst

Isaac Garcia

Printed

A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	2	Date Reported:	3/16/2020
Sample ID:	West Wall	Date Sampled:	3/3/2020
Sample Matrix:	Soil	Date Analyzed:	3/3/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	44	5.0
-------------------------------------	-----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

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Review

Felipe Aragon, CES, CHMM

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	3	Date Reported:	3/16/2020
Sample ID:	North Wall	Date Sampled:	3/3/2020
Sample Matrix:	Soil	Date Analyzed:	3/3/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	8	5.0
-------------------------------------	----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

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Review

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	4	Date Reported:	3/16/2020
Sample ID:	East Wall	Date Sampled:	3/3/2020
Sample Matrix:	Soil	Date Analyzed:	3/3/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	244	5.0
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Issac Garcia

Analyst

Isaac Garcia

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	5	Date Reported:	3/16/2020
Sample ID:	South Wall	Date Sampled:	3/3/2020
Sample Matrix:	Soil	Date Analyzed:	3/3/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	316	5.0
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Issac Garcia

Analyst

Isaac Garcia

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**CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Cal. Date: 4-Mar-20

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	199
	200	
	500	
	1000	
	5000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Isaac Garcia

Analyst

3/16/2020

Date

Isaac Garcia

Print Name

A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

3/16/2020

Date

Felipe Aragon, CES, CHMM

Print Name

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	1	Date Reported:	3/16/2020
Sample ID:	Base	Date Sampled:	3/4/2020
Sample Matrix:	Soil	Date Analyzed:	3/4/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	152	5.0
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	2	Date Reported:	3/16/2020
Sample ID:	North Wall	Date Sampled:	3/4/2020
Sample Matrix:	Soil	Date Analyzed:	3/4/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	52	5.0
-------------------------------------	-----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	3	Date Reported:	3/16/2020
Sample ID:	East Wall	Date Sampled:	3/4/2020
Sample Matrix:	Soil	Date Analyzed:	3/4/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	176	5.0
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	4	Date Reported:	3/16/2020
Sample ID:	South Wall	Date Sampled:	3/4/2020
Sample Matrix:	Soil	Date Analyzed:	3/4/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	164	5.0
-------------------------------------	------------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Issac Garcia

Analyst

Isaac Garcia

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A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	5	Date Reported:	3/16/2020
Sample ID:	West Wall	Date Sampled:	3/4/2020
Sample Matrix:	Soil	Date Analyzed:	3/4/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	60	5.0
-------------------------------------	-----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Issac Garcia

Analyst

Isaac Garcia

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A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

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Printed



**CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Cal. Date: 16-Mar-20

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	199
	200	
	500	
	1000	
	5000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Isaac Garcia

Analyst

3/16/2020

Date

Isaac Garcia

Print Name

A handwritten signature in blue ink, appearing to read 'Felipe Aragon', written over a horizontal line.

Review

3/16/2020

Date

Felipe Aragon, CES, CHMM

Print Name

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	1	Date Reported:	3/16/2020
Sample ID:	South Pot Hole + 2'	Date Sampled:	3/16/2020
Sample Matrix:	Soil	Date Analyzed:	3/16/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	60	5.0
-------------------------------------	-----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Issac Garcia

Analyst

Isaac Garcia

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A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	2	Date Reported:	3/16/2020
Sample ID:	West Pot Hole + 2'	Date Sampled:	3/16/2020
Sample Matrix:	Soil	Date Analyzed:	3/16/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	68	5.0
-------------------------------------	-----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

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Review

Felipe Aragon, CES, CHMM

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	3	Date Reported:	3/16/2020
Sample ID:	Base Pot Hole + 3'	Date Sampled:	3/16/2020
Sample Matrix:	Soil	Date Analyzed:	3/16/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	80	5.0
-------------------------------------	-----------	------------

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

Printed

A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	4	Date Reported:	3/16/2020
Sample ID:	North Pot Hole + 2'	Date Sampled:	3/16/2020
Sample Matrix:	Soil	Date Analyzed:	3/16/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	52	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

Printed

A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	5	Date Reported:	3/16/2020
Sample ID:	East Pot Hole + 2'	Date Sampled:	3/16/2020
Sample Matrix:	Soil	Date Analyzed:	3/16/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	400	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

Printed

A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	DJR Operating	Project #:	17035-0166
Sample No.:	6	Date Reported:	3/16/2020
Sample ID:	East Pot Hole + 4'	Date Sampled:	3/16/2020
Sample Matrix:	Soil	Date Analyzed:	3/16/2020
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	16	5.0
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ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Lybrook WDW #1**

Instrument calibrated to 200 ppm standard and zeroed before each sample.

Isaac Garcia

Analyst

Isaac Garcia

Printed

A handwritten signature in blue ink, appearing to read 'Felipe Aragon'.

Review

Felipe Aragon, CES, CHMM

Printed

APPENDIX C

Siting Documentation



Practical Solutions for a Better Tomorrow

Site Name:	Lybrook WDW #1			
API #:	30-039-27533			
Lat/Long:				
TRS:	Unit B Sec 14 T23N R7W			
Land Jurisdiction:	BLM			
County:	Rio Arriba			
Wellhead Protection Area Assessment				
Water Source Type (well/spring/stock pond)	ID	Latitude	Longitude	Distance
Pond		36.23648	-107.53471	2,647 ft
Distance to Nearest Significant Watercourse				
unnamed - downgradient OSE Stream - 2,833 ft; erosional feature/ephemeral wash - 143 ft				
Depth to Groundwater Determination				
Cathodic Report/Site Specific Hydrogeology	LTE Bore Logs indicated no water at 50 feet bgs			
Elevation Differential	100 feet lower elevation from water well			
Water Wells	SJ 05054 at 180 feet			
Sensitive Receptor Determination				
<300' of any continuously flowing watercourse or any other significant watercourse				Yes
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water				No
<300' of an occupied permanent residence, school, hospital, institution or church				No
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes				No
<1000' of any water well or spring				No
Within incorporated municipal boundaries or within a defined municipal fresh water well				No
<300' of a wetland				No
Within the area overlying a subsurface mine				No
Within an unstable area				No
Within a 100-year floodplain				No
DTW Determination	≤50 <input checked="" type="checkbox"/>	50-100 <input checked="" type="checkbox"/>	>100 <input type="checkbox"/>	
Benzene	10	10	10	
BTEX (mg/kg)	50	50	50	
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000	
8015 TPH (GRO/DRO/MRO) (mg/kg)	100	2,500	2,500	
Chlorides (mg/kg)	600	10,000	20,000	

GREEN - Original Closure Criteria; YELLOW - Closure Criteria based on known depth to water



Practical Solutions of a Better Tomorrow



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Column
SJ 04054 POD1		SJ	RA	1	14	23N	07W			270627	4012298	273	180	93

Average Depth to Water: **180 feet**

Minimum Depth: **180 feet**

Maximum Depth: **180 feet**

Record Count: 1

PLSS Search:

Section(s): 14

Township: 23N

Range: 07W

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/1/20 12:13 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Measure distance
Click on the map to add to your path
Total distance: 2,774.39 ft (845.63 m)

Show search results for 30-039...

Measurement

Feet

Measurement Result

147.6 Feet

Clear

Press CTRL to enable snapping

Show search results for 30-039...

Measurement



Feet

Measurement Result

2,833.1 Feet

Clear

Press CTRL to enable snapping

APPENDIX D

Laboratory Analytical Reports



Practical Solutions for a Better Tomorrow



Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 1/14/2020

Job Number: 17035-0166

Work Order: P001034

Project Name/Location: Lybrook WDW #1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 1/20/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.



DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0166
Project Manager: Felipe Aragon

Reported:
01/20/20 07:33

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South End @ 3'	P001034-01A	Soil	01/13/20	01/14/20	Glass Jar, 4 oz.
	P001034-01B	Soil	01/13/20	01/14/20	Glass Jar, 4 oz.
North East End @ 3'	P001034-02A	Soil	01/13/20	01/14/20	Glass Jar, 4 oz.
	P001034-02B	Soil	01/13/20	01/14/20	Glass Jar, 4 oz.
East Soil Boring @ 1'	P001034-03A	Soil	01/13/20	01/14/20	Glass Jar, 4 oz.
	P001034-03B	Soil	01/13/20	01/14/20	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 01/20/20 07:33
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

South End @ 3'
P001034-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %		50-150	2003013	01/15/20	01/15/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	59.2	25.0	mg/kg	1	2003012	01/15/20	01/15/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2003012	01/15/20	01/15/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		93.0 %		50-200	2003012	01/15/20	01/15/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.5 %		50-150	2003013	01/15/20	01/15/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1620	20.0	mg/kg	1	2003015	01/15/20	01/15/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 01/20/20 07:33
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

North East End @ 3'
P001034-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %		50-150	2003013	01/15/20	01/15/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2003012	01/15/20	01/15/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2003012	01/15/20	01/15/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		91.4 %		50-200	2003012	01/15/20	01/15/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %		50-150	2003013	01/15/20	01/15/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1970	40.0	mg/kg	2	2003015	01/15/20	01/15/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 01/20/20 07:33
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

East Soil Boring @ 1'
P001034-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.8 %		50-150	2003013	01/15/20	01/15/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	1260	25.0	mg/kg	1	2003012	01/15/20	01/15/20	EPA 8015D	
Oil Range Organics (C28-C40)	970	50.0	mg/kg	1	2003012	01/15/20	01/15/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		108 %		50-200	2003012	01/15/20	01/15/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2003013	01/15/20	01/15/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %		50-150	2003013	01/15/20	01/15/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	3900	100	mg/kg	5	2003015	01/15/20	01/15/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 01/20/20 07:33
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Volatile Organics by EPA 8021 - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003013 - Purge and Trap EPA 5030A**Blank (2003013-BLK1)**

Prepared & Analyzed: 01/15/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	7.73		"	8.00		96.6	50-150			

LCS (2003013-BS1)

Prepared & Analyzed: 01/15/20 1

Benzene	4.39	0.0250	mg/kg	5.00		87.9	70-130			
Toluene	4.82	0.0250	"	5.00		96.4	70-130			
Ethylbenzene	4.85	0.0250	"	5.00		97.0	70-130			
p,m-Xylene	9.66	0.0500	"	10.0		96.6	70-130			
o-Xylene	4.83	0.0250	"	5.00		96.6	70-130			
Total Xylenes	14.5	0.0250	"	15.0		96.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		"	8.00		97.9	50-150			

Matrix Spike (2003013-MS1)

Source: P001034-01

Prepared & Analyzed: 01/15/20 1

Benzene	4.42	0.0250	mg/kg	5.00	ND	88.4	54.3-133			
Toluene	4.88	0.0250	"	5.00	ND	97.6	61.4-130			
Ethylbenzene	4.95	0.0250	"	5.00	ND	98.9	61.4-133			
p,m-Xylene	9.84	0.0500	"	10.0	ND	98.4	63.3-131			
o-Xylene	4.93	0.0250	"	5.00	ND	98.7	63.3-131			
Total Xylenes	14.8	0.0250	"	15.0	ND	98.5	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7.89		"	8.00		98.7	50-150			

Matrix Spike Dup (2003013-MSD1)

Source: P001034-01

Prepared & Analyzed: 01/15/20 1

Benzene	4.43	0.0250	mg/kg	5.00	ND	88.7	54.3-133	0.273	20	
Toluene	4.85	0.0250	"	5.00	ND	97.0	61.4-130	0.605	20	
Ethylbenzene	4.92	0.0250	"	5.00	ND	98.4	61.4-133	0.567	20	
p,m-Xylene	9.81	0.0500	"	10.0	ND	98.1	63.3-131	0.265	20	
o-Xylene	4.89	0.0250	"	5.00	ND	97.9	63.3-131	0.810	20	
Total Xylenes	14.7	0.0250	"	15.0	ND	98.0	63.3-131	0.446	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		"	8.00		98.1	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 01/20/20 07:33
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003012 - DRO Extraction EPA 3570

Blank (2003012-BLK1)

Prepared: 01/15/20 0 Analyzed: 01/15/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	46.3		"	50.0		92.6	50-200			

LCS (2003012-BS1)

Prepared: 01/15/20 0 Analyzed: 01/15/20 1

Diesel Range Organics (C10-C28)	483	25.0	mg/kg	500		96.6	38-132			
Surrogate: n-Nonane	48.2		"	50.0		96.5	50-200			

Matrix Spike (2003012-MS1)

Source: P001034-01

Prepared: 01/15/20 0 Analyzed: 01/15/20 1

Diesel Range Organics (C10-C28)	528	25.0	mg/kg	500	59.2	93.7	38-132			
Surrogate: n-Nonane	46.2		"	50.0		92.4	50-200			

Matrix Spike Dup (2003012-MSD1)

Source: P001034-01

Prepared: 01/15/20 0 Analyzed: 01/15/20 1

Diesel Range Organics (C10-C28)	569	25.0	mg/kg	500	59.2	102	38-132	7.56	20	
Surrogate: n-Nonane	46.6		"	50.0		93.3	50-200			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 01/20/20 07:33
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003013 - Purge and Trap EPA 5030A

Blank (2003013-BLK1)

Prepared & Analyzed: 01/15/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		"	8.00		87.5	50-150			

LCS (2003013-BS2)

Prepared & Analyzed: 01/15/20 1

Gasoline Range Organics (C6-C10)	49.1	20.0	mg/kg	50.0		98.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.99		"	8.00		87.4	50-150			

Matrix Spike (2003013-MS2)

Source: P001034-01

Prepared & Analyzed: 01/15/20 1

Gasoline Range Organics (C6-C10)	48.8	20.0	mg/kg	50.0	ND	97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		"	8.00		87.9	50-150			

Matrix Spike Dup (2003013-MSD2)

Source: P001034-01

Prepared & Analyzed: 01/15/20 1

Gasoline Range Organics (C6-C10)	49.5	20.0	mg/kg	50.0	ND	99.0	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		"	8.00		87.8	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 01/20/20 07:33
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2003015 - Anion Extraction EPA 300.0/9056A**Blank (2003015-BLK1)**

Prepared & Analyzed: 01/15/20 1

Chloride ND 20.0 mg/kg

LCS (2003015-BS1)

Prepared & Analyzed: 01/15/20 1

Chloride 253 20.0 mg/kg 250 101 90-110

Matrix Spike (2003015-MS1)**Source: P001034-01**

Prepared & Analyzed: 01/15/20 1

Chloride 1820 20.0 mg/kg 250 1620 79.4 80-120 M2

Matrix Spike Dup (2003015-MSD1)**Source: P001034-01**

Prepared & Analyzed: 01/15/20 1

Chloride 1930 20.0 mg/kg 250 1620 123 80-120 5.88 20 M2

QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0166
Project Manager: Felipe Aragon

Reported:
01/20/20 07:33

Notes and Definitions

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: DJR LLC				Report Attention				Lab Use Only				TAT		EPA Program						
Project: Lybrook WDW #1								Lab WO#		Job Number		1D	3D	RCRA	CWA	SDV				
Project Manager: F.Aragon				Email:				P001034		17035-0166										
Address:				Address:				Analysis and Method										State		
City, State, Zip				City, State, Zip														NM CO UT		
Phone:				Phone:														X		
Email: Gcrabtree Dcarter Faragon Tknight Bhall																				
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	BTEX	Cl-	TPH									Remarks			
14:07	1/13/2020	S	2	South End @ 3'	1	X	X	X									2 4 oz Jars, Cool			
13:58	1/13/2020	S	2	North East End @ 3'	2	X	X	X									2 4 oz Jars, Cool			
12:23	1/13/2020	S	2	East Soil Boring @ 1'	3	X	X	X									2 4 oz Jars, Cool			
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:Damon Carter												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only												
Damon Carter		1/14/20	8:45	Daina Lopez		1/14/20	8:45	Received on ice: Y / N												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3												
								AVG Temp °C 4												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboraotry is limited to the amount paid for on the report.																				



Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 3/4/2020

Job Number: 17035-0166

Work Order: P003018

Project Name/Location: Lybrook Yard WDW #1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 3/6/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook Yard WDW #1
Project Number: 17035-0166
Project Manager: Felipe Aragon

Reported:
03/06/20 15:28

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
East Wall	P003018-01A	Soil	03/04/20	03/04/20	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/06/20 15:28
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

East Wall
P003018-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	178	25.0	mg/kg	1	2010017	03/04/20	03/04/20	EPA 8015D	
Oil Range Organics (C28-C40)	181	50.0	mg/kg	1	2010017	03/04/20	03/04/20	EPA 8015D	
Surrogate: <i>n</i> -Nonane		109 %		50-200	2010017	03/04/20	03/04/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %		50-150	2010012	03/04/20	03/05/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1690	20.0	mg/kg	1	2010025	03/05/20	03/05/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/06/20 15:28
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2010017 - DRO Extraction EPA 3570

Blank (2010017-BLK1)

Prepared: 03/04/20 1 Analyzed: 03/06/20 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	55.2		"	50.0		110	50-200			

LCS (2010017-BS1)

Prepared: 03/04/20 1 Analyzed: 03/06/20 0

Diesel Range Organics (C10-C28)	462	25.0	mg/kg	500		92.4	38-132			
Surrogate: n-Nonane	49.8		"	50.0		99.6	50-200			

Matrix Spike (2010017-MS1)

Source: P003015-01

Prepared: 03/04/20 1 Analyzed: 03/06/20 0

Diesel Range Organics (C10-C28)	1020	125	mg/kg	500	263	152	38-132			M2
Surrogate: n-Nonane	57.3		"	50.0		115	50-200			

Matrix Spike Dup (2010017-MSD1)

Source: P003015-01

Prepared: 03/04/20 1 Analyzed: 03/06/20 0

Diesel Range Organics (C10-C28)	766	125	mg/kg	500	263	101	38-132	28.7	20	R3
Surrogate: n-Nonane	59.9		"	50.0		120	50-200			

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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/06/20 15:28
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2010012 - Purge and Trap EPA 5030A

Blank (2010012-BLK1)

Prepared: 03/04/20 0 Analyzed: 03/04/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		"	8.00		85.9	50-150			

LCS (2010012-BS2)

Prepared: 03/04/20 0 Analyzed: 03/04/20 1

Gasoline Range Organics (C6-C10)	48.7	20.0	mg/kg	50.0		97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		"	8.00		86.8	50-150			

Matrix Spike (2010012-MS2)

Source: P003007-01

Prepared: 03/04/20 0 Analyzed: 03/04/20 2

Gasoline Range Organics (C6-C10)	46.6	20.0	mg/kg	50.0	ND	93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		"	8.00		87.8	50-150			

Matrix Spike Dup (2010012-MSD2)

Source: P003007-01

Prepared: 03/04/20 0 Analyzed: 03/04/20 2

Gasoline Range Organics (C6-C10)	45.5	20.0	mg/kg	50.0	ND	90.9	70-130	2.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		"	8.00		87.2	50-150			

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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/06/20 15:28
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2010025 - Anion Extraction EPA 300.0/9056A**Blank (2010025-BLK1)**

Prepared: 03/05/20 0 Analyzed: 03/05/20 1

Chloride	ND	20.0	mg/kg							
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LCS (2010025-BS1)

Prepared: 03/05/20 0 Analyzed: 03/05/20 1

Chloride	251	20.0	mg/kg	250		100	90-110			
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Matrix Spike (2010025-MS1)**Source: P003015-01**

Prepared: 03/05/20 0 Analyzed: 03/05/20 2

Chloride	278	40.0	mg/kg	250	ND	111	80-120			
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Matrix Spike Dup (2010025-MSD1)**Source: P003015-01**

Prepared: 03/05/20 0 Analyzed: 03/05/20 2

Chloride	278	40.0	mg/kg	250	ND	111	80-120	0.0288	20	
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QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook Yard WDW #1
Project Number: 17035-0166
Project Manager: Felipe Aragon

Reported:
03/06/20 15:28

Notes and Definitions

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- ** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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envirotech-inc.com
labadmin@envirotech-inc.com



Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 3/16/2020

Job Number: 17035-0166

Work Order: P003087

Project Name/Location: Lybrook Yard WDW #1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 3/18/20

Walter Hinchman, Laboratory Director



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Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook Yard WDW #1
Project Number: 17035-0166
Project Manager: Felipe Aragon

Reported:
03/18/20 08:17

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South Pot hole +2'	P003087-01A	Soil	03/16/20	03/16/20	Glass Jar, 4 oz.
West Pot hole +2'	P003087-02A	Soil	03/16/20	03/16/20	Glass Jar, 4 oz.
North Pot hole +2'	P003087-03A	Soil	03/16/20	03/16/20	Glass Jar, 4 oz.
East Pot hole +4'	P003087-04A	Soil	03/16/20	03/16/20	Glass Jar, 4 oz.
Base Pot hole @11'	P003087-05A	Soil	03/16/20	03/16/20	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/18/20 08:17
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

South Pot hole +2'**P003087-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Surrogate: <i>n</i> -Nonane		78.9 %		50-200	2012010	03/16/20	03/16/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012001	03/16/20	03/16/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.7 %		50-150	2012001	03/16/20	03/16/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2012011	03/16/20	03/16/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/18/20 08:17
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

**West Pot hole +2'
P003087-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Surrogate: <i>n</i> -Nonane		84.7 %		50-200	2012010	03/16/20	03/16/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012001	03/16/20	03/16/20	EPA 8015D	
Surrogate: <i>1</i> -Chloro-4-fluorobenzene-FID		85.6 %		50-150	2012001	03/16/20	03/16/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2012011	03/16/20	03/16/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/18/20 08:17
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

North Pot hole +2'**P003087-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Surrogate: <i>n</i> -Nonane		81.8 %		50-200	2012010	03/16/20	03/16/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012001	03/16/20	03/16/20	EPA 8015D	
Surrogate: <i>1</i> -Chloro-4-fluorobenzene-FID		88.6 %		50-150	2012001	03/16/20	03/16/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	222	20.0	mg/kg	1	2012011	03/16/20	03/16/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/18/20 08:17
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

East Pot hole +4'
P003087-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Surrogate: <i>n</i> -Nonane		80.7 %		50-200	2012010	03/16/20	03/16/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012001	03/16/20	03/17/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %		50-150	2012001	03/16/20	03/17/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	22.9	20.0	mg/kg	1	2012011	03/16/20	03/17/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/18/20 08:17
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Base Pot hole @11'**P003087-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012010	03/16/20	03/16/20	EPA 8015D	
Surrogate: <i>n</i> -Nonane		81.8 %		50-200	2012010	03/16/20	03/16/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012001	03/16/20	03/16/20	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %		50-150	2012001	03/16/20	03/16/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1440	20.0	mg/kg	1	2012011	03/16/20	03/17/20	EPA 300.0/9056A	
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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook Yard WDW #1
Project Number: 17035-0166
Project Manager: Felipe Aragon

Reported:
03/18/20 08:17

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2012010 - DRO Extraction EPA 3570

Blank (2012010-BLK1)

Prepared & Analyzed: 03/16/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	44.0		"	50.0		87.9	50-200			

LCS (2012010-BS1)

Prepared & Analyzed: 03/16/20 1

Diesel Range Organics (C10-C28)	399	25.0	mg/kg	500		79.8	38-132			
Surrogate: n-Nonane	46.0		"	50.0		92.1	50-200			

Matrix Spike (2012010-MS1)

Source: P003086-01

Prepared & Analyzed: 03/16/20 1

Diesel Range Organics (C10-C28)	417	25.0	mg/kg	500	ND	83.4	38-132			
Surrogate: n-Nonane	46.0		"	50.0		91.9	50-200			

Matrix Spike Dup (2012010-MSD1)

Source: P003086-01

Prepared & Analyzed: 03/16/20 1

Diesel Range Organics (C10-C28)	414	25.0	mg/kg	500	ND	82.8	38-132	0.632	20	
Surrogate: n-Nonane	45.6		"	50.0		91.2	50-200			

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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/18/20 08:17
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2012001 - Purge and Trap EPA 5030A

Blank (2012001-BLK1)

Prepared: 03/16/20 0 Analyzed: 03/16/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		"	8.00		86.1	50-150			

LCS (2012001-BS2)

Prepared: 03/16/20 0 Analyzed: 03/16/20 1

Gasoline Range Organics (C6-C10)	49.2	20.0	mg/kg	50.0		98.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.88		"	8.00		86.0	50-150			

Matrix Spike (2012001-MS2)

Source: P003087-05

Prepared: 03/16/20 0 Analyzed: 03/16/20 1

Gasoline Range Organics (C6-C10)	50.2	20.0	mg/kg	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		"	8.00		88.9	50-150			

Matrix Spike Dup (2012001-MSD2)

Source: P003087-05

Prepared: 03/16/20 0 Analyzed: 03/16/20 1

Gasoline Range Organics (C6-C10)	49.6	20.0	mg/kg	50.0	ND	99.3	70-130	1.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.96		"	8.00		87.1	50-150			

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DJR Operating, LLC	Project Name:	Lybrook Yard WDW #1	Reported: 03/18/20 08:17
1 Rd 3263	Project Number:	17035-0166	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2012011 - Anion Extraction EPA 300.0/9056A**Blank (2012011-BLK1)**

Prepared & Analyzed: 03/16/20 1

Chloride ND 20.0 mg/kg

LCS (2012011-BS1)

Prepared & Analyzed: 03/16/20 1

Chloride 249 20.0 mg/kg 250 99.7 90-110

Matrix Spike (2012011-MS1)**Source: P003086-01**

Prepared & Analyzed: 03/16/20 1

Chloride 248 20.0 mg/kg 250 ND 99.3 80-120

Matrix Spike Dup (2012011-MSD1)**Source: P003086-01**

Prepared & Analyzed: 03/16/20 1

Chloride 248 20.0 mg/kg 250 ND 99.4 80-120 0.0201 20

QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook Yard WDW #1
Project Number: 17035-0166
Project Manager: Felipe Aragon

Reported:
03/18/20 08:17

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: DJR				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only				TAT		EPA Program							
Project: LyBrook Yard WDW #1								Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA					
Project Manager: Felipe Aragon								P003087		17035-0166		X		X							
Address: _____								Analysis and Method										State			
City, State, Zip _____																		NM CO UT AZ			
Phone: _____														TX OK							
Email: Isaac, Felipe, Brittany, Tami																					
Report due by: _____																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0									Remarks	
9:48	3/19/2020	S	1	South Pot hole +2'	1	X	X				X										
9:56	3/16/2020	S	1	West Pot Hole +2'	2	X	X				X										
10:09	3/16/2020	S	1	North Pot Hole +2'	3	X	X				X										
12:08	3/16/2020	S	1	East Pot Hole +4'	4	X	X				X										
12:16	3/16/2020	S	1	Base Pot Hole @11'	5	X	X				X										
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only									
		3/16/2020		15:19				3/16/2020		15:19		Received on ice: <u>(Y)</u> / N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Project Information

Chain of Custody

Page 1 of 1

Client: DJR	Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____	Lab Use Only						TAT		EPA Program		
Project: LyBrook Yard WDW #1		Lab WO#	Job Number					1D	3D	RCRA	CWA	SDWA
Project Manager: Felipe Aragon		P003087	17035-0166					X		X		
Address:		Analysis and Method										
City, State, Zip		State										
Phone:	NM CO UT AZ TX OK											
Email: Isaac, Felipe, Brittany, Tami	Remarks											
Report due by:												

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0								
9:48	3/19/2020 3/16/20	S	1	South Pot hole +2'	1	X	X				X								
9:56	3/16/2020	S	1	West Pot Hole +2'	2	X	X				X								
10:09	3/16/2020	S	1	North Pot Hole +2'	3	X	X				X								
12:08	3/16/2020	S	1	East Pot Hole +4'	4	X	X				X								
12:16	3/16/2020	S	1	Base Pot Hole @11'	5	X	X				X								

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Isaac Garcia</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
<u>[Signature]</u>	3/16/2020	15:19	<u>Rain Lopez</u>	3/16/20	15:19						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											



Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 3/20/2020

Job Number: 17035-0016

Work Order: P003108

Project Name/Location: Lybrook WDW #1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 3/24/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.



DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0016
Project Manager: Felipe Aragon

Reported:
03/24/20 13:03

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Base Pot Hole @ 19'	P003108-01A	Soil	03/20/20	03/20/20	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



DJR Operating, LLC	Project Name:	Lybrook WDW #1	
1 Rd 3263	Project Number:	17035-0016	Reported:
Aztec NM, 87410	Project Manager:	Felipe Aragon	03/24/20 13:03

Base Pot Hole @ 19'**P003108-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Anions by 300.0/9056A

Chloride	898	20.0	mg/kg	1	2012038	03/20/20	03/20/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 03/24/20 13:03
1 Rd 3263	Project Number:	17035-0016	
Aztec NM, 87410	Project Manager:	Felipe Aragon	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2012038 - Anion Extraction EPA 300.0/9056A**Blank (2012038-BLK1)**

Prepared & Analyzed: 03/20/20 1

Chloride ND 20.0 mg/kg

LCS (2012038-BS1)

Prepared & Analyzed: 03/20/20 1

Chloride 252 20.0 mg/kg 250 101 90-110

Matrix Spike (2012038-MS1)**Source: P003108-01**

Prepared & Analyzed: 03/20/20 1

Chloride 1210 20.0 mg/kg 250 898 125 80-120 M2

Matrix Spike Dup (2012038-MSD1)**Source: P003108-01**

Prepared & Analyzed: 03/20/20 1

Chloride 1220 20.0 mg/kg 250 898 128 80-120 0.448 20 M2

QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0016
Project Manager: Felipe Aragon

Reported:
03/24/20 13:03

Notes and Definitions

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Project Information

Chain of Custody

Page 1 of 9

Client: DJR				Bill To Attention: _____ Address: _____ City, State, Zip _____ Phone: _____ Email: _____				Lab Use Only				TAT		EPA Program			
Project: LyBrook WDW @1								Lab WO#		Job Number		1D	3D	RCRA	CWA	SDWA	
Project Manager: Felipe Aragon								P00368		17035-0016		X		X			
Address: _____								Analysis and Method									
City, State, Zip _____								State									
Phone: _____				NM CO UT AZ TX OK													
Email: Isaac, Felipe, Brittany, Tami				Remarks													
Report due by: _____																	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						
11:18	3/20/2020	S	1	Base Pot Hole @19'	1						X						

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Isaac Garcia

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	3/20/2020	13:38	<u>[Signature]</u>	3/20/20	13:38	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 4/2/2020

Job Number: 17035-0028

Work Order: P004008

Project Name/Location: Lybrook WDW #1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 4/8/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/08/20 10:26

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 @ 13-15	P004008-01A	Soil	04/01/20	04/02/20	Glass Jar, 4 oz.
BH01 @ 18-20	P004008-02A	Soil	04/01/20	04/02/20	Glass Jar, 4 oz.
BH01 @ 23-25'	P004008-03A	Soil	04/01/20	04/02/20	Glass Jar, 4 oz.
BH01 @ 25-27.5'	P004008-04A	Soil	04/01/20	04/02/20	Glass Jar, 4 oz.
BH01 @ 27.5-30'	P004008-05A	Soil	04/01/20	04/02/20	Glass Jar, 4 oz.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/08/20 10:26

BH01 @ 13-15
P004008-01 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Anions by 300.0/9056A

Chloride	870	20.0	mg/kg	1	2014022	04/02/20	04/02/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:26
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH01 @ 18-20**P004008-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Anions by 300.0/9056A

Chloride	405	20.0	mg/kg	1	2014022	04/02/20	04/02/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:26
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH01 @ 23-25'**P004008-03 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Anions by 300.0/9056A

Chloride	167	20.0	mg/kg	1	2014022	04/02/20	04/02/20	EPA 300.0/9056A	
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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/08/20 10:26

BH01 @ 25-27.5'
P004008-04 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Anions by 300.0/9056A

Chloride	323	20.0	mg/kg	1	2014022	04/02/20	04/02/20	EPA 300.0/9056A	
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5796 Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

24 Hour Emergency Response Phone (800) 362-1879

envirotech-inc.com

Labadmin@envirotech-inc.com



DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:26
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH01 @ 27.5-30'
P004008-05 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2014025	04/02/20	04/02/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014024	04/02/20	04/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014024	04/02/20	04/02/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		93.7 %		50-200	2014024	04/02/20	04/02/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %		50-150	2014025	04/02/20	04/02/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	1530	20.0	mg/kg	1	2014022	04/02/20	04/02/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:26
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Volatile Organics by EPA 8021 - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014025 - Purge and Trap EPA 5030A**Blank (2014025-BLK1)**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	8.34		"	8.00		104	50-150			

LCS (2014025-BS1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	5.00	0.0250	mg/kg	5.00		100	70-130			
Toluene	5.04	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.05	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.06	0.0250	"	5.00		101	70-130			
Total Xylenes	15.2	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.43		"	8.00		105	50-150			

Matrix Spike (2014025-MS1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	5.06	0.0250	mg/kg	5.00	ND	101	54.3-133			
Toluene	5.12	0.0250	"	5.00	ND	102	61.4-130			
Ethylbenzene	5.13	0.0250	"	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	"	10.0	ND	103	63.3-131			
o-Xylene	5.16	0.0250	"	5.00	ND	103	63.3-131			
Total Xylenes	15.4	0.0250	"	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.60		"	8.00		107	50-150			

Matrix Spike Dup (2014025-MSD1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	4.90	0.0250	mg/kg	5.00	ND	98.1	54.3-133	3.14	20	
Toluene	4.93	0.0250	"	5.00	ND	98.6	61.4-130	3.79	20	
Ethylbenzene	4.94	0.0250	"	5.00	ND	98.8	61.4-133	3.84	20	
p,m-Xylene	9.88	0.0500	"	10.0	ND	98.8	63.3-131	3.88	20	
o-Xylene	4.96	0.0250	"	5.00	ND	99.2	63.3-131	3.95	20	
Total Xylenes	14.8	0.0250	"	15.0	ND	98.9	0-200	3.91	200	
Surrogate: 4-Bromochlorobenzene-PID	8.40		"	8.00		105	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:26
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014024 - DRO Extraction EPA 3570

Blank (2014024-BLK1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	47.4		"	50.0		94.9	50-200			

LCS (2014024-BS1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	421	25.0	mg/kg	500		84.1	38-132			
Surrogate: n-Nonane	48.0		"	50.0		96.0	50-200			

Matrix Spike (2014024-MS1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	456	25.0	mg/kg	500	ND	91.2	38-132			
Surrogate: n-Nonane	50.1		"	50.0		100	50-200			

Matrix Spike Dup (2014024-MSD1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	448	25.0	mg/kg	500	ND	89.6	38-132	1.84	20	
Surrogate: n-Nonane	49.9		"	50.0		99.8	50-200			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:26
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014025 - Purge and Trap EPA 5030A

Blank (2014025-BLK1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.9	50-150			

LCS (2014025-BS2)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	47.4	20.0	mg/kg	50.0		94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		"	8.00		92.8	50-150			

Matrix Spike (2014025-MS2)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		"	8.00		92.4	50-150			

Matrix Spike Dup (2014025-MSD2)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	45.8	20.0	mg/kg	50.0	ND	91.5	70-130	1.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.8	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:26
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014022 - Anion Extraction EPA 300.0/9056A**Blank (2014022-BLK1)**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride ND 20.0 mg/kg

LCS (2014022-BS1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride 248 20.0 mg/kg 250 99.3 90-110

Matrix Spike (2014022-MS1)**Source: P004006-01**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride 698 20.0 mg/kg 250 405 117 80-120

Matrix Spike Dup (2014022-MSD1)**Source: P004006-01**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride 665 20.0 mg/kg 250 405 104 80-120 4.90 20

QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/08/20 10:26

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: DJR

Project: Lybrook WDW #1

Sampler: Josh Adams

Phone: 970-456-5750

Email(s): jadams@tenu.com; jfarrelledjr@llc.com

Project Manager: Josh Adams

RUSH?

☒ 1d
☐ 3d

Page

ASAP for chloride standard turn for BTEX + TPH

Lab Use Only		Analysis and Method				Lab Only	
Lab WO#		GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	N/Y (s) / Prserv
Job Number							
P004008							
17035-0028							
1 of 1							

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prserv
BH01 @ 13-15	4-1-20	1430	soil	(1) 4oz.	X	X	X		1	4
BH01 @ 18-20'	4	1435			X	X	X		2	1
BH01 @ 23-25'		1437			X	X	X		3	
BH01 @ 25-27.5'		1438			X	X	X		4	
BH01 @ 27.5-30'		1440			X	X	X		5	1

Relinquished by: (Signature) <i>Josh Adams</i>	Date 4-2-20	Time 0530	Received by: (Signature) <i>Caiti</i>	Date 4-2-20	Time 0530	Lab Use Only		
Relinquished by: (Signature) <i>Caiti</i>	Date 4-2-20	Time	Received by: (Signature) <i>Rain Lopez</i>	Date 4/2/20	Time 10:25	**Received on Ice Y / N T1 <u>9.7</u> T2 <u>7.8</u> T3 <u>6.9</u> AVG Temp °C <u>8.1</u>		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info: please cc: jadams@tenu.com



5796 US Highway 64, Farmington, NM 87401

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 laboratory@envirotech-inc.com

Client: DJR
 Project: Lybrook w/DW #1
 Sampler: Josh Adams
 Phone: 970-456-5750
 Email(s): jadams@ltenv.com; lfarrelle@djrlk.com
 Project Manager: Josh Adams

RUSH?

☒ 1d
☐ 3d

Lab Use Only
 Lab WO# P004008
 Job Number 17035-0028

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Analysis and Method	Lab Only Lab Number	Correct Cont/Prsrv (s)
BH01 @ 13-15	4-1-20	1430	soil	(1) 4oz.	X	X	X	X		1	4
BH01 @ 18-20'	4	1435			X	X	X	X		2	1
BH01 @ 23-25'		1437			X	X	X	X		3	1
BH01 @ 25-27.5'		1438			X	X	X	X		4	1
BH01 @ 27.5-30'		1440			X	X	X	X		5	1

Relinquished by: (Signature) <u>Josh Adams</u>	Date 4-2-20	Time 0530	Received by: (Signature) <u>Caiti Meade</u>	Date 4-2-20	Time 0530	Lab Use Only **Received on Ice Y / <u>14</u> T1 <u>9.7</u> T2 <u>7.8</u> T3 <u>6.9</u> AVG Temp °C <u>8.1</u>
Relinquished by: (Signature) <u>Caiti Meade</u>	Date 4-2-20	Time	Received by: (Signature) <u>Rain Lopez</u>	Date 4/2/20	Time 10:25	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info: please cc: jadams@ltenv.com



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 Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

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 Laboratory@envirotech-inc.com



Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 4/3/2020

Job Number: 17035-0028

Work Order: P004011

Project Name/Location: Lybrook WDW #1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 4/10/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/10/20 16:10

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 @ 42.5-45'	P004011-01A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH01 @ 45-47.5'	P004011-02A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH01 @ 47.5-50'	P004011-03A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH02 @ 12.5-15'	P004011-04A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH02 @ 22.5-25'	P004011-05A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH02 @ 42.5-45'	P004011-06A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH02 @ 45-48'	P004011-07A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH03 @ 22.5-25'	P004011-08A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH03 @ 42.5-45'	P004011-09A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH03 @ 45-47.5'	P004011-10A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.
BH03 @ 47.5-50'	P004011-11A	Soil	04/02/20	04/03/20	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH01 @ 42.5-45'**P004011-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2014028	04/03/20	04/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		94.9 %		50-200	2014032	04/03/20	04/03/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.0 %		50-150	2014028	04/03/20	04/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	293	20.0	mg/kg	1	2014029	04/03/20	04/03/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH01 @ 47.5-50'
P004011-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015020	04/09/20	04/09/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015020	04/09/20	04/09/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015020	04/09/20	04/09/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015020	04/09/20	04/09/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015020	04/09/20	04/09/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015020	04/09/20	04/09/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2015020	04/09/20	04/09/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015016	04/09/20	04/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015016	04/09/20	04/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.6 %		50-200	2015016	04/09/20	04/10/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015020	04/09/20	04/09/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %		50-150	2015020	04/09/20	04/09/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	80.6	20.0	mg/kg	1	2015022	04/09/20	04/09/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH02 @ 12.5-15'**P004011-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2014028	04/03/20	04/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		97.1 %		50-200	2014032	04/03/20	04/03/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %		50-150	2014028	04/03/20	04/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	261	20.0	mg/kg	1	2014029	04/03/20	04/03/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH02 @ 42.5-45'**P004011-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2014028	04/03/20	04/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		92.3 %		50-200	2014032	04/03/20	04/03/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.8 %		50-150	2014028	04/03/20	04/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	530	20.0	mg/kg	1	2014029	04/03/20	04/03/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH03 @ 22.5-25'**P004011-08 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2014028	04/03/20	04/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		96.5 %		50-200	2014032	04/03/20	04/03/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %		50-150	2014028	04/03/20	04/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2014029	04/03/20	04/03/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH03 @ 42.5-45'
P004011-09 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2014028	04/03/20	04/03/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014032	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		99.6 %		50-200	2014032	04/03/20	04/03/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014028	04/03/20	04/03/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.2 %		50-150	2014028	04/03/20	04/03/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	ND	20.0	mg/kg	1	2014029	04/03/20	04/03/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Volatile Organics by EPA 8021 - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014028 - Purge and Trap EPA 5030A**Blank (2014028-BLK1)**

Prepared & Analyzed: 04/03/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	8.10		"	8.00		101	50-150			

LCS (2014028-BS1)

Prepared & Analyzed: 04/03/20 1

Benzene	4.26	0.0250	mg/kg	5.00		85.2	70-130			
Toluene	4.44	0.0250	"	5.00		88.7	70-130			
Ethylbenzene	4.39	0.0250	"	5.00		87.8	70-130			
p,m-Xylene	8.73	0.0500	"	10.0		87.3	70-130			
o-Xylene	4.37	0.0250	"	5.00		87.3	70-130			
Total Xylenes	13.1	0.0250	"	15.0		87.3	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.31		"	8.00		104	50-150			

Matrix Spike (2014028-MS1)

Source: P004011-01

Prepared & Analyzed: 04/03/20 1

Benzene	4.75	0.0250	mg/kg	5.00	ND	95.0	54.3-133			
Toluene	4.95	0.0250	"	5.00	ND	98.9	61.4-130			
Ethylbenzene	4.94	0.0250	"	5.00	ND	98.8	61.4-133			
p,m-Xylene	9.81	0.0500	"	10.0	ND	98.1	63.3-131			
o-Xylene	4.88	0.0250	"	5.00	ND	97.5	63.3-131			
Total Xylenes	14.7	0.0250	"	15.0	ND	97.9	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.48		"	8.00		106	50-150			

Matrix Spike Dup (2014028-MSD1)

Source: P004011-01

Prepared & Analyzed: 04/03/20 1

Benzene	4.67	0.0250	mg/kg	5.00	ND	93.5	54.3-133	1.57	20	
Toluene	4.86	0.0250	"	5.00	ND	97.2	61.4-130	1.74	20	
Ethylbenzene	4.84	0.0250	"	5.00	ND	96.7	61.4-133	2.06	20	
p,m-Xylene	9.60	0.0500	"	10.0	ND	96.0	63.3-131	2.09	20	
o-Xylene	4.79	0.0250	"	5.00	ND	95.9	63.3-131	1.69	20	
Total Xylenes	14.4	0.0250	"	15.0	ND	96.0	0-200	1.96	200	
Surrogate: 4-Bromochlorobenzene-PID	8.37		"	8.00		105	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015020 - Purge and Trap EPA 5030A

Blank (2015020-BLK1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							

Surrogate: 4-Bromochlorobenzene-PID 8.50 " 8.00 106 50-150

LCS (2015020-BS1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Benzene	4.11	0.0250	mg/kg	5.00		82.2	70-130			
Toluene	4.43	0.0250	"	5.00		88.6	70-130			
Ethylbenzene	4.45	0.0250	"	5.00		89.0	70-130			
p,m-Xylene	8.85	0.0500	"	10.0		88.5	70-130			
o-Xylene	4.45	0.0250	"	5.00		88.9	70-130			
Total Xylenes	13.3	0.0250	"	15.0		88.6	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.64 " 8.00 108 50-150

Matrix Spike (2015020-MS1)

Source: P004011-03

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Benzene	4.57	0.0250	mg/kg	5.00	ND	91.5	54.3-133			
Toluene	4.94	0.0250	"	5.00	ND	98.8	61.4-130			
Ethylbenzene	4.99	0.0250	"	5.00	ND	99.8	61.4-133			
p,m-Xylene	9.91	0.0500	"	10.0	ND	99.1	63.3-131			
o-Xylene	4.95	0.0250	"	5.00	ND	99.1	63.3-131			
Total Xylenes	14.9	0.0250	"	15.0	ND	99.1	0-200			

Surrogate: 4-Bromochlorobenzene-PID 8.71 " 8.00 109 50-150

Matrix Spike Dup (2015020-MSD1)

Source: P004011-03

Prepared: 04/09/20 0 Analyzed: 04/10/20 0

Benzene	4.42	0.0250	mg/kg	5.00	ND	88.4	54.3-133	3.41	20	
Toluene	4.76	0.0250	"	5.00	ND	95.2	61.4-130	3.74	20	
Ethylbenzene	4.82	0.0250	"	5.00	ND	96.4	61.4-133	3.45	20	
p,m-Xylene	9.56	0.0500	"	10.0	ND	95.6	63.3-131	3.59	20	
o-Xylene	4.78	0.0250	"	5.00	ND	95.6	63.3-131	3.57	20	
Total Xylenes	14.3	0.0250	"	15.0	ND	95.6	0-200	3.59	200	

Surrogate: 4-Bromochlorobenzene-PID 8.69 " 8.00 109 50-150

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014032 - DRO Extraction EPA 3570

Blank (2014032-BLK1)

Prepared & Analyzed: 04/03/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	46.9		"	50.0		93.8	50-200			

LCS (2014032-BS1)

Prepared & Analyzed: 04/03/20 1

Diesel Range Organics (C10-C28)	435	25.0	mg/kg	500		86.9	38-132			
Surrogate: n-Nonane	46.3		"	50.0		92.6	50-200			

Matrix Spike (2014032-MS1)

Source: P004012-01

Prepared & Analyzed: 04/03/20 1

Diesel Range Organics (C10-C28)	445	25.0	mg/kg	500	ND	89.1	38-132			
Surrogate: n-Nonane	49.0		"	50.0		97.9	50-200			

Matrix Spike Dup (2014032-MSD1)

Source: P004012-01

Prepared & Analyzed: 04/03/20 1

Diesel Range Organics (C10-C28)	415	25.0	mg/kg	500	ND	82.9	38-132	7.16	20	
Surrogate: n-Nonane	48.0		"	50.0		95.9	50-200			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015016 - DRO Extraction EPA 3570

Blank (2015016-BLK1)

Prepared & Analyzed: 04/09/20 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	44.4		"	50.0		88.8	50-200			

LCS (2015016-BS1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 1

Diesel Range Organics (C10-C28)	471	25.0	mg/kg	500		94.2	38-132			
Surrogate: n-Nonane	47.3		"	50.0		94.7	50-200			

Matrix Spike (2015016-MS1)

Source: P004024-07

Prepared: 04/09/20 0 Analyzed: 04/09/20 1

Diesel Range Organics (C10-C28)	520	25.0	mg/kg	500	30.3	97.9	38-132			
Surrogate: n-Nonane	44.7		"	50.0		89.3	50-200			

Matrix Spike Dup (2015016-MSD1)

Source: P004024-07

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Diesel Range Organics (C10-C28)	531	25.0	mg/kg	500	30.3	100	38-132	2.08	20	
Surrogate: n-Nonane	49.8		"	50.0		99.6	50-200			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014028 - Purge and Trap EPA 5030A

Blank (2014028-BLK1)

Prepared & Analyzed: 04/03/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		"	8.00		88.4	50-150			

LCS (2014028-BS2)

Prepared & Analyzed: 04/03/20 1

Gasoline Range Organics (C6-C10)	50.3	20.0	mg/kg	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		"	8.00		89.3	50-150			

Matrix Spike (2014028-MS2)

Source: P004011-01

Prepared & Analyzed: 04/03/20 1

Gasoline Range Organics (C6-C10)	49.8	20.0	mg/kg	50.0	ND	99.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		"	8.00		89.7	50-150			

Matrix Spike Dup (2014028-MSD2)

Source: P004011-01

Prepared & Analyzed: 04/03/20 1

Gasoline Range Organics (C6-C10)	50.3	20.0	mg/kg	50.0	ND	101	70-130	0.853	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		"	8.00		89.9	50-150			

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/10/20 16:10

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015020 - Purge and Trap EPA 5030A

Blank (2015020-BLK1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		"	8.00		88.5	50-150			

LCS (2015020-BS2)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Gasoline Range Organics (C6-C10)	44.9	20.0	mg/kg	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		"	8.00		88.7	50-150			

Matrix Spike (2015020-MS2)

Source: P004011-03

Prepared: 04/09/20 0 Analyzed: 04/10/20 0

Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		"	8.00		88.5	50-150			

Matrix Spike Dup (2015020-MSD2)

Source: P004011-03

Prepared: 04/09/20 0 Analyzed: 04/10/20 0

Gasoline Range Organics (C6-C10)	49.8	20.0	mg/kg	50.0	ND	99.7	70-130	6.98	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		"	8.00		90.6	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2014029 - Anion Extraction EPA 300.0/9056A**Blank (2014029-BLK1)**

Prepared & Analyzed: 04/03/20 1

Chloride ND 20.0 mg/kg

LCS (2014029-BS1)

Prepared & Analyzed: 04/03/20 1

Chloride 253 20.0 mg/kg 250 101 90-110

Matrix Spike (2014029-MS1)

Source: P004011-01

Prepared & Analyzed: 04/03/20 1

Chloride 572 20.0 mg/kg 250 293 112 80-120

Matrix Spike Dup (2014029-MSD1)

Source: P004011-01

Prepared & Analyzed: 04/03/20 1

Chloride 577 20.0 mg/kg 250 293 114 80-120 0.829 20

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/10/20 16:10
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015022 - Anion Extraction EPA 300.0/9056A**Blank (2015022-BLK1)**

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride	ND	20.0	mg/kg							
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LCS (2015022-BS1)

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride	249	20.0	mg/kg	250		99.5	90-110			
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Matrix Spike (2015022-MS1)**Source: P004025-01**

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride	254	20.0	mg/kg	250	ND	102	80-120			
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Matrix Spike Dup (2015022-MSD1)**Source: P004025-01**

Prepared: 04/09/20 0 Analyzed: 04/09/20 2

Chloride	254	20.0	mg/kg	250	ND	102	80-120	0.102	20	
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QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/10/20 16:10

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: DJR

Project: Lybrook WDW #001

Sampler: Josh Adams

Phone: 970-456-5750

Email(s): jadams@teru.com; LFarrell@djrlc.com

Project Manager: Josh Adams

RUSH?

1d

3d

Lab Use Only

Lab WO#

P 004011

Job Number

17035-0028

Page

1 of 2

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv
BH01 @ 42.5-45'	4-2-20	1000	Soil	(1) 4oz.	X	X		X	1	4
BH01 @ 45-47.5' [HOLD]		1002			X	X		X	2	
BIT01 @ 47.5-50' [HOLD]		1003			X	X		X	3	
BIT02 @ 12.5-15'		1305			X	X		X	4	
BIT02 @ 22.5-25'		1150			X	X		X	5	
BIT02 @ 42.5-45'		1244			X	X		X	6	
BIT02 @ 45-48' [HOLD]		1300			X	X		X	7	
BIT03 @ 22.5-25'		1450			X	X		X	8	
BH03 @ 42.5-45'		1550			X	X		X	9	
BIT03 @ 45-47.5' [HOLD]		1605			X	X		X	10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
Josh Adams	4-3-20	0615	Eric Carroll	4/3/20	0615	**Received on Ice Y / <u>N</u>
Eric Carroll	4/3/20	1000	Rain Lopez	4/3/20	10:01	T1 <u>4.8</u> T2 <u>3.4</u> T3 <u>3.9</u> AVG Temp °C <u>4.0</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info: standard turn for all except rush chlorides on BH01 @ 42.5-45'

Client: DJR
Project: Hybrook WDW #1
Sampler: Josh Adams
Phone: 770-456-5750
Email(s): jadams@ltenv.com, lfarrell@djrlc.com
Project Manager: Josh Adams

RUSH?

☐ 1d
☐ 3d

Lab Use Only		Analysis and Method								Lab Only	
Lab WO#		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0					Lab Number	N/A (s) Prsrv
Job Number											
P004011											
17035-0028											
Page 2 of 2											

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0											Lab Number	Correct Cont/Prsrv
BH03 @ 47.5-50' [HOLD]	4-2-20	1606	soil	(1) 402	X	X	X												11	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only					
<i>[Signature]</i>	4-3-20	0815	<i>[Signature]</i>	4/3/20	0815	**Received on Ice Y / <u>N</u>					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1	T2	T3			
<i>[Signature]</i>	4/3/20	1006	<i>[Signature]</i>	4/3/20	10:01	4.8	3.4	3.9			
						AVG Temp °C <u>4.0</u>					

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

5796 US Highway 64, Farmington, NM 87401
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301Ph (505) 632-0615 Fx (505) 632-1865
Ph (970) 259-0615 Fr (800) 362-1879envirotech-inc.com
laboratory@envirotech-inc.com

Client: DJR

Project: Lybrook WDW #001

Sampler: Josh Adams

Phone: 970-456-5750

Email(s): jadams@lenuv.com; lfarrell@djrlc.com

Project Manager: Josh Adams

RUSH?

☐ 1d
☐ 3d

Lab Use Only		Analysis and Method								Lab Only	
Lab WO#		GRO/DRO by 8015 + NR20	BTEX by 8021	TPH by 418.1	Chloride by 300.0					Lab Number	Correct Cont/Prsrv
Job Number											
P004011											
17035-0028											
Page 1 of 2											

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative
BH01 @ 42.5-45'	4-2-20	1000	Soil	(1) 4oz.
BH01 @ 45-47.5' [HOLD]		1002		
BH01 @ 47.5-50' [HOLD]		1003		
BIT02 @ 12.5-15'		1305		
BIT02 @ 22.5-25'		1150		
BIT02 @ 42.5-45'		1244		
BIT02 @ 45-48' [HOLD]		1300		
BIT03 @ 22.5-25'		1450		
BH03 @ 42.5-45'		1550		
BIT03 @ 45-47.5' [HOLD]		1605		

Relinquished by: (Signature)			Received by: (Signature)			Lab Use Only		
Date	Time		Date	Time				
4-3-20	0615		4/3/20	0615		**Received on Ice Y / N		
4/3/20	1000		4/3/20	10:01		T1 4.8	T2 3.4	T3 3.9
						AVG Temp °C 4.0		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Sample(s) dropped off after hours to a secure drop off area.	Chain of Custody	Notes/Billing info: standard turn for all except rush chlorides on BH01 @ 42.5-45'
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5796 US Highway 64, Farmington, NM 87401
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

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Laboratory: envirotech-inc.com

Page 2 of 2

laboratory@envirotech-inc.com



Analytical Report

Report Summary

Client: DJR Operating, LLC

Samples Received: 4/3/2020

Job Number: 17035-0028

Work Order: P004013

Project Name/Location: Lybrook WDW #1

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a light blue rectangular background.

Date: 4/8/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
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Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.



DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/08/20 10:38

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 @ 17.5'-20'	P004013-01A	Soil	04/03/20	04/03/20	Glass Jar, 4 oz.
BH04 @ 42.5-45'	P004013-02A	Soil	04/03/20	04/03/20	Glass Jar, 4 oz.
BH05 @ 22.5-25'	P004013-03A	Soil	04/03/20	04/03/20	Glass Jar, 4 oz.
BH05 @ 42.5-45'	P004013-04A	Soil	04/03/20	04/03/20	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH04 @ 17.5'-20'
P004013-01 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2015001	04/06/20	04/06/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.3 %		50-200	2015002	04/06/20	04/06/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %		50-150	2015001	04/06/20	04/06/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	295	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH04 @ 42.5-45'
P004013-02 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2015001	04/06/20	04/06/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.4 %		50-200	2015002	04/06/20	04/06/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %		50-150	2015001	04/06/20	04/06/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	123	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH05 @ 22.5-25'
P004013-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2015001	04/06/20	04/06/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		61.1 %		50-200	2015002	04/06/20	04/06/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.7 %		50-150	2015001	04/06/20	04/06/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	412	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

BH05 @ 42.5-45'
P004013-04 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2015001	04/06/20	04/06/20	EPA 8021B	

Nonhalogenated Organics by 8015 - DRO/ORO

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2015002	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		71.1 %		50-200	2015002	04/06/20	04/06/20	EPA 8015D	

Nonhalogenated Organics by 8015 - GRO

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2015001	04/06/20	04/06/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.4 %		50-150	2015001	04/06/20	04/06/20	EPA 8015D	

Anions by 300.0/9056A

Chloride	117	20.0	mg/kg	1	2015003	04/06/20	04/06/20	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Volatile Organics by EPA 8021 - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015001 - Purge and Trap EPA 5030A**Blank (2015001-BLK1)**

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
Surrogate: 4-Bromochlorobenzene-PID	8.69		"	8.00		109	50-150			

LCS (2015001-BS1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Benzene	4.52	0.0250	mg/kg	5.00		90.3	70-130			
Toluene	4.62	0.0250	"	5.00		92.5	70-130			
Ethylbenzene	4.66	0.0250	"	5.00		93.2	70-130			
p,m-Xylene	9.33	0.0500	"	10.0		93.3	70-130			
o-Xylene	4.71	0.0250	"	5.00		94.3	70-130			
Total Xylenes	14.0	0.0250	"	15.0		93.6	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.50		"	8.00		106	50-150			

Matrix Spike (2015001-MS1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Benzene	4.74	0.0250	mg/kg	5.00	ND	94.7	54.3-133			
Toluene	4.85	0.0250	"	5.00	ND	97.1	61.4-130			
Ethylbenzene	4.89	0.0250	"	5.00	ND	97.9	61.4-133			
p,m-Xylene	9.78	0.0500	"	10.0	ND	97.8	63.3-131			
o-Xylene	4.92	0.0250	"	5.00	ND	98.4	63.3-131			
Total Xylenes	14.7	0.0250	"	15.0	ND	98.0	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.69		"	8.00		109	50-150			

Matrix Spike Dup (2015001-MSD1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Benzene	4.74	0.0250	mg/kg	5.00	ND	94.7	54.3-133	0.0243	20	
Toluene	4.83	0.0250	"	5.00	ND	96.7	61.4-130	0.422	20	
Ethylbenzene	4.87	0.0250	"	5.00	ND	97.4	61.4-133	0.495	20	
p,m-Xylene	9.72	0.0500	"	10.0	ND	97.2	63.3-131	0.591	20	
o-Xylene	4.90	0.0250	"	5.00	ND	97.9	63.3-131	0.430	20	
Total Xylenes	14.6	0.0250	"	15.0	ND	97.5	0-200	0.537	200	
Surrogate: 4-Bromochlorobenzene-PID	8.44		"	8.00		106	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015002 - DRO Extraction EPA 3570

Blank (2015002-BLK1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	46.4		"	50.0		92.8	50-200			

LCS (2015002-BS1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	411	25.0	mg/kg	500		82.3	38-132			
Surrogate: n-Nonane	46.4		"	50.0		92.8	50-200			

Matrix Spike (2015002-MS1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	438	25.0	mg/kg	500	ND	87.6	38-132			
Surrogate: n-Nonane	44.3		"	50.0		88.6	50-200			

Matrix Spike Dup (2015002-MSD1)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Diesel Range Organics (C10-C28)	437	25.0	mg/kg	500	ND	87.3	38-132	0.278	20	
Surrogate: n-Nonane	46.4		"	50.0		92.9	50-200			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015001 - Purge and Trap EPA 5030A

Blank (2015001-BLK1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		"	8.00		93.0	50-150			

LCS (2015001-BS2)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0		90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.8	50-150			

Matrix Spike (2015001-MS2)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	46.9	20.0	mg/kg	50.0	ND	93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		"	8.00		93.8	50-150			

Matrix Spike Dup (2015001-MSD2)

Source: P004013-01

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.1	70-130	0.794	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		"	8.00		93.9	50-150			

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DJR Operating, LLC	Project Name:	Lybrook WDW #1	Reported: 04/08/20 10:38
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, 87410	Project Manager:	Josh Adams	

Anions by 300.0/9056A - Quality Control**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2015003 - Anion Extraction EPA 300.0/9056A**Blank (2015003-BLK1)**

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	ND	20.0	mg/kg							
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LCS (2015003-BS1)

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	253	20.0	mg/kg	250		101	90-110			
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Matrix Spike (2015003-MS1)**Source: P004013-01**

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	596	20.0	mg/kg	250	295	120	80-120			
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Matrix Spike Dup (2015003-MSD1)**Source: P004013-01**

Prepared: 04/06/20 0 Analyzed: 04/06/20 1

Chloride	607	20.0	mg/kg	250	295	125	80-120	1.75	20	M2
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QC Summary Report**Comment:**

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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DJR Operating, LLC
1 Rd 3263
Aztec NM, 87410

Project Name: Lybrook WDW #1
Project Number: 17035-0028
Project Manager: Josh Adams

Reported:
04/08/20 10:38

Notes and Definitions

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Client: DJR Energy
 Project: Lybrook WDW #001
 Sampler: Josh Adams
 Phone: 970-456-5750
 Email(s): jadams@tenv.com ; jfarrell@djrlc.com
 Project Manager: Josh Adams

RUSH?

☐ 1d
☐ 3d

Page 1 of 1

Lab Use Only					Analysis and Method										Lab Only	
Lab WO#					GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0							Lab Number	N/A (s) Prsnv
Job Number																
P004013																
17035-0028																
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative												
BH04 @ 17.5' - 20'	0935E → 4/3/20	1000	Soil	(1) 4oz	X	X		X							1	✓
BH04 @ 42.5 - 45'	4/3/20	1000			X	X		X							2	✓
BH05 @ 22.5 - 25'		1125			X	X		X							3	✓
BH05 @ 42.5 - 45'		1300			X	X		X							4	✓
Relinquished by: (Signature)	Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<i>Josh Adams</i>	4-3-20	1419	<i>Rene Lopez</i>		4/3/20	14:19	**Received on Ice <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)		Date	Time										

Sample Matrix: S - Soil, **Sd** - Solid, **Sg** - Sludge, A - Aqueous, O - Other _____ Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



5796 US Highway 64, Farmington, NM 87401
 Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

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 Ph (970) 259-0615 Fr (800) 362-1879

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APPENDIX E

Site Photography



Practical Solutions for a Better Tomorrow

**SITE PHOTOGRAPHY
SITE DELINEATION REPORT
DJR OPERATING, LLC.
LYBROOK WDW #1 DISPOSAL WELL
PROJECT #17035-0166
JANUARY – APRIL 2020**



Picture 1: View of Well Vault



Picture 2: View of Excavation

**SITE PHOTOGRAPHY
SITE DELINEATION REPORT
DJR OPERATING, LLC.
LYBROOK WDW #1 DISPOSAL WELL
PROJECT #17035-0166
JANUARY – APRIL 2020**



Picture 3: View of Soil Boring in Base





Picture 4: Backfill of Excavation


APPENDIX F


Soil Boring Logs




Practical Solutions for a Better Tomorrow


		 A proud member of WSP		BORING LOG/MONITORING WELL COMPLETION DIAGRAM									
				Boring/Well Number: BH01					Project: Lybrook Yard WDW #001				
				Date: 4/1/2020 - 4/2/2020					Project Number: 102920001				
				Logged By: JA					Drilled By: Mo-Te				
Elevation: 7,087		Detector: PID/Quantab			Drilling Method: Hollowstem Auger			Sampling Method: Continuous					
Gravel Pack: NA			Seal: NA			Grout: NA							
Casing Type: NA			Diameter: Length:			Hole Diameter: 6"			Depth to Liquid: NA				
Screen Type: NA			Slot: Diameter: Length:			Total Depth: 50'			Depth to Water: NA				
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks			No Well Installed	
NR	NR	NR	NR		0	0-5		NR	No Recovery (NR)				
				1									
				2									
<112	Dry	0.0	No		3	5-10		SW-SM	Light brown, poorly graded sand with silt some iron staining.				
				4									
				5									
<112	Moist	0.0	No		6	5-10		SW-SM	Same as above, slightly more fines				
				7									
				8									
<112	Moist	0.0	No		9	5-10		SW-SM	Same as above				
				10									
				11									
NR	NR	NR	NR		12	10-15		NR	NR				
				13									
				14									
1,040	Moist	0.0	No	BH01@ 13' 15' 1430	15	10-15		SW-SM	Brown, poorly graded sand with silt.				
				14									
				15									

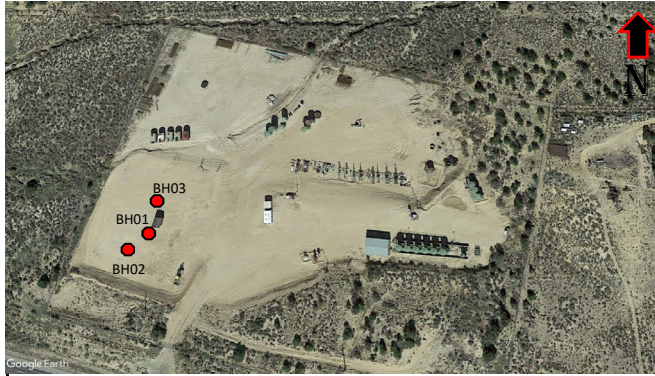
 A proud member of WSP									Boring/Well #	BH01
									Project:	Lybrook Yard WDW #001
									Project #	102920001
									Date	4/1/2020- 4/2/2020
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed
NR	NR	NR	NR		15	15-20		NR	NR	
					16					
					17					
					18					
388	Moist	0.0	No	BH01 @ 18'-20' 1435	19	20-25		SW-SM	Brown poorly graded sand with silt	
					20					
NR	NR	NR	NR		21					
					22					
					23	25-30		CH	Black organic fat clay with sand (shale like)	
<112	Moist	0.0	No	BH01 @ 23'-25' 1437	24					
					25					
					26					
<112	Very Moist	0.0	No	BH01 @ 25'-27.5' 1438	27	30-35		SW-SM	Light brown, poorly graded, sand with silt.	
					28					
1,592	Dry	0.0	No		29					
					30					
444	Moist	0.0	No	BH01 @ 30'-32.5' 0830	31	35-40		SW-SM	Same as above	
					32					
					33					
1,420	Moist	0.0	No		34					
					35			SW-SM	Same as above	
2,004	Moist	0.0	No		36					
					37					

 A proud member of WSP								Boring/Well #	BH01	
								Project:	Lybrook Yard WDW #001	
								Project #	102920001	
								Date	4/1/2020 - 4/2/2020	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed
					37				Same as above. Begin drilling with larger diameter auger at 40'	
1,420	Moist	0.0	No		38	35-40				
					39			SW-SM		
					40					
356	Moist	0.0	No		41			SW-SM		
					42					
					43	40-45				
230	Moist	0.0	No	BH01 @ 42.5'-45' 1000	44			SW-SM		
					45					
<128	Moist	0.0	No		46			SW-SM		
					47					
					48	45-50				
<128	Moist	0.0	No	BH01 @ 47.5'-50' 1003	49			SW-SM		
					50					
Total depth 50'. No groundwater encountered.										

		<p>A proud member of WSP</p>		BORING LOG/MONITORING WELL COMPLETION DIAGRAM							
				Boring/Well Number: BH02				Project: Lybrook Yard WDW #001			
				Date: 4/2/2020				Project Number: 102920001			
				Logged By: JA				Drilled By: Mo-Te			
Elevation: 7,087		Detector: PID/Quantab		Drilling Method: Hollowstem Auger		Sampling Method: Continuous					
Gravel Pack: NA				Seal: NA		Grout: NA					
Casing Type: NA				Diameter: Length:		Hole Diameter: 6"		Depth to Liquid: NA			
Screen Type: NA		Slot:		Diameter: Length:		Total Depth: 48'		Depth to Water: NA			
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No Well Installed	
NS (not sampled)	Moist	0.0	No		0	0-5		SM	Light brown silty sand, some gray, odor (not HC), medium cohesion, medium plasticity.		
					1						
					2						
156	Moist	1.8	No		3	5-10		SM	Same as above.		
					4						
					5						
NS	Moist	2.9	No		6	5-10		SM	Same as above.		
					7						
					8						
184	Moist	0.3	No		9	5-10		SW-SM	Brown poorly graded sand with silt, low cohesion, low plasticity.		
					10						
					11						
NR	NR	NR	NR		12	10-15		NR	NR		
					13						
					14						
184	Moist	0.0	No	BH02 @ 12.5'-15' 1305	15			SW-SM	Brown poorly graded sand with silt, low cohesion, low plasticity.		

<div> A proud member of WSP</div>									Boring/Well #	BH02				
									Project:	Lybrook Yard WDW #001				
									Project #	102920001				
									Date	4/2/2020				
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed				
NS	Dry	0.0	No		15	15-20		SW-SM	Same as above					
					16									
					17									
					18									
<128	Dry	0.0	No		19	20-25		SW-SM	Same as above					
					20									
NS	Dry	0.0	No		21	25-30		SW-SM	Same as above					
					22									
<128	Dry	0.0	No		23			30-35				SW-SM	Same as above	
					24									
					25	35-40		SW-SM	Same as above					
NS	Dry	0.0	No		26									
					27									
					28									
<128	Dry	0.0	No		29			SW-SM	Same as above					
					30									
NS	Dry	0.0	No		31			SW-SM	Same as above					
					32									
156	Dry	0.0	No		33							SW-SM	Same as above	
					34									
					35			SW-SM	Same as above					
NS	Dry	0.0	No		36									
					37									

<div> A proud member of WSP</div>									Boring/Well #	BH02		
									Project:	Lybrook Yard WDW #001		
									Project #	102920001		
									Date	4/2/2020		
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed		
					37	35-40			Same as above.			
					38							
156	Moist	0.0	No		39							
					40							
NS	Moist	0.0	No		41	40-45					Same as above.	
					42							
					43							
<128	Moist	0.0	No	BH02 @ 42.5'-45' 1244	44							
					45	45-50					Same as above.	
<128	Moist	0.0	No		46							
					47							
					48							
					49						Refuasl at 48', sandstone	
					50							





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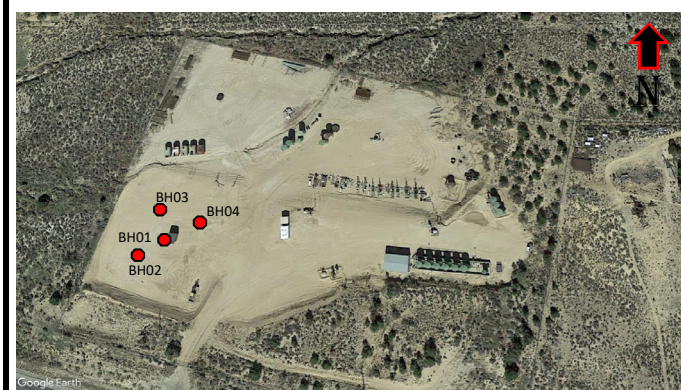
BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number:	BH03	Project:	Lybrook Yard WDW #001
Date:	4/2/2020	Project Number:	102920001
Logged By:	JA	Drilled By:	Mo-Te
Elevation:	7,087	Drilling Method:	Hollowstem Auger
Detector:	PID/Quantab	Sampling Method:	Continuous
Gravel Pack:	NA	Seal:	NA
Casing Type:	NA	Grout:	NA
Screen Type:	NA	Diameter:	Length:
Slot:	Diameter:	Length:	Hole Diameter:
			6"
			Depth to Liquid:
			NA
			Total Depth:
			50'
			Depth to Water:
			NA

Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No Well Installed
NR	NR	NR	NR		0					
					1			NR	No Recovery (NR)	
					2					
					3	0-5				
<128	Dry	0.0	No		4			SW-SM	Brown, poorly graded sand with silt, medium cohesion, medium pasticity.	
					5					
NS	Dry	0.0	No		6			SW-SM	Same as above.	
					7					
					8	5-10				
<128	Dry	0.0	No		9			SW-SM	Same as above increasing silt content.	
					10					
NS	Dry	0.0	No		11			SW-SM	Same as above, some organic material.	
					12					
					13	10-15				
<128	Dry	0.0	No		14			SW-SM	Same as above.	
					15					

<div> A proud member of WSP</div>									Boring/Well #	BH03	
									Project:	Lybrook Yard WDW #001	
									Project #	102920001	
									Date	4/2/2020	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed	
NS	Moist	0.0	No		15	15-20		SW-SM	Same as above		
					16						
					17						
					18						
<128	Moist	0.0	No		19	20-25		SW-SM	Same as above		
					20						
NR	NR	NR	NR		21	20-25		NR	No recovery (NR)		
					22						
<128	Moist	0.0	No	BH03 @ 22.5'-25' 1450	23			SW-SM	Brown, poorly graded sand with silt, medium cohesion, medium pasticity, some organic material.		
					24						
					25	25-30		SW-SM	Same as above		
NS	Dry	0.0	No		26						
					27						
<128	Moist	0.0	No		28			SM	Brown/gray silty sand, medium cohesion, medium plasticity.		
					29						
					30	30-35		SM	Same as above		
NS	Dry	0.0	No		31						
					32						
					33			SM			Same as above
<128	Dry	0.0	No		34						
					35	35-40		SM	Same as above		
NS	Dry	0.0	No		36						
					37			SW-SM	Light brwon poorly graded sand.		

 A proud member of WSP								Boring/Well #	BH03	
								Project:	Lybrook Yard WDW #001	
								Project #	102920001	
								Date	4/2/2020	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed
					37				Same as above.	
					38					
<128	Dry	0.0	No		39	35-40		SW-SM		
					40					
NS	Dry	0.0	No		41			SW-SM		
					42					
					43	40-45				
<128	Dry	0.0	No	BH03 @ 42.5'-45' 1550	44			SW-SM		
					45					
NS	Dry	0.0	No		46			SW-SM		
					47					
					48	45-50				
<128	Dry	0.0	No		49			SW-SM	Same as above, slightly courser sand	
					50					
Total Depth 50'										





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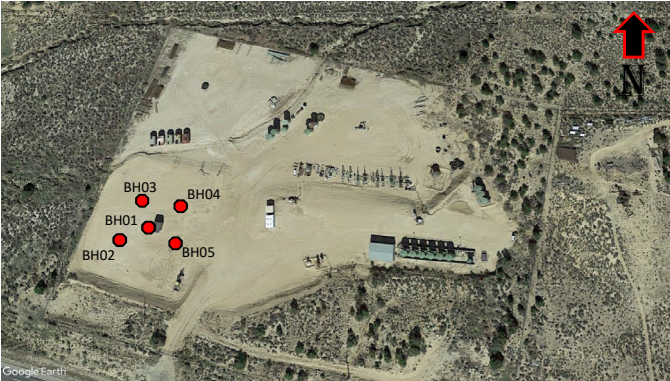

BORING LOG/MONITORING WELL COMPLETION DIAGRAM


Boring/Well Number:	BH04	Project:	Lybrook Yard WDW #001
Date:	4/3/2020	Project Number:	102920001
Logged By:	JA	Drilled By:	Mo-Te
Drilling Method:	Hollowstem Auger	Sampling Method:	Continuous
Gravel Pack:	NA	Seal:	NA
Casing Type:	NA	Hole Diameter:	6"
Screen Type:	NA	Depth to Liquid:	NA
Slot:	NA	Total Depth:	50'
Diameter:	NA	Depth to Water:	NA
Length:	NA		


Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No Well Installed
NS	Moist	0.0	No		0			SW-SM	Brown, poorly graded sand with silt, low cohesion, low plasticity.	
					1			SW-SM		
					2				Same as above	
152	Moist	0.0	No		3	0-5		SW-SM		
					4				Same as above.	
NS	Moist	0.0	No		5			SW-SM		
					6				Same as above, increasing silt content	
					7	5-10		SW-SM		
<124	Moist	0.0	No		8				No recovery (NR)	
					9			SW-SM		
					10				Same as above.	
NR	NR	NR	NR		11			NR		
					12				Same as above.	
124	Moist	0.0	No		13	10-15		SW-SM		
					14					
					15					

<div> A proud member of WSP</div>									Boring/Well #	BH04
									Project:	Lybrook Yard WDW #001
									Project #	102920001
									Date	4/3/2020
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed
NS	Moist	0.0	No		15	15-20		SW-SM	Brown, poorly graded sand with silt, low cohesion, low plasticity.	
					16					
					17					
					18					
252	Dry	0.0	No	BH04 @ 17.5'-20' 0935	19			SW-SM	Same as above	
					20					
NR	NR	NR	NR		21	20-25		NR	No recovery (NR)	
					22					
<124	Dry	0.0	No		23			SM	Dark Brown, silty sand	
					24					
					25					
NS	Dry	0.0	No		26	25-30		SM	Same as above	
					27					
					28					
<124	Dry	0.0	No		29			SW-SM	Brown poorly graded sand with silt	
					30					
NS	Dry	0.0	No		31	30-35		SW-SM	Same as above	
					32					
					33					
152	Dry	0.0	No		34					
					35			SW-SM	Same as above	
NS	Dry	0.0	No		36					
					37	35-40		SW-SM	Same as above	

<div> A proud member of WSP</div>									Boring/Well #	BH04	
									Project:	Lybrook Yard WDW #001	
									Project #	102920001	
									Date	4/3/2020	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed	
					37	35-40	<div></div>		Same as above.	<div></div>	
					38			SW-SM			
152	Dry	0.0	No		39						
					40						
NS	Dry	0.0	No		41	40-45		SW-SM			
					42						
<124	Dry	0.0	No	BH04 @ 42.5'-45' 1000	43			SW-SM			
					44						
					45	45-50		SW-SM			
NS	Dry	0.0	No		46						
					47						
<124	Dry	0.0	No		48			SW-SM			
					49						
					50						
Total Depth 50'											

					 A proud member of WSP						
					BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
Boring/Well Number: BH05					Project: Lybrook Yard WDW #001						
Date: 4/3/2020					Project Number: 102920001						
Logged By: JA					Drilled By: Mo-Te						
Elevation:		Detector: PID/Quantab			Drilling Method: Hollowstem Auger			Sampling Method: Continuous			
Gravel Pack: NA					Seal: NA			Grout: NA			
Casing Type: NA					Diameter:		Length:		Hole Diameter: 6"	Depth to Liquid: NA	
Screen Type: NA					Slot:		Diameter:		Length:		
									Total Depth: 45'	Depth to Water: NA	
Qtab (ppm)	Moisture Content	Vapor (ppm)	HC Staining?	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No Well Installed	
NR	NR	NR	NR		0	0-5		NR	No recovery (NR)		
					1						
					2						
<124	Moist	0.0	No		3			SW-SM	Brown, poorly graded sand with silt, low cohesion, low plasticity.		
					4						
					5						
NR	NR	NR	NR		6	5-10		NR	No recovery (NR)		
					7						
					8						
<124	Moist	0.0	No		9			SW-SM	Brown, poorly graded sand with silt, low cohesion, low plasticity.		
					10						
NR	NR	NR	NR		11	10-15		NR	No recovery (NR)		
					12						
					13						
124	Moist	0.0	No		14			SW-SM	Brown, poorly graded sand with silt, low cohesion, low plasticity.		
					15						

<div> A proud member of WSP</div>									Boring/Well #	BH05	
									Project:	Lybrook Yard WDW #001	
									Project #	102920001	
									Date	4/3/2020	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed	
NR	NR	NR	NR		15	15-20		NR	No recovery (NR)		
					16						
					17						
					18			SW-SM	Same as above		
<124	Moist	0.0	No		19	20		SM	Dark brown silty sand		
					20						
NS	Moist	0.0	No		21	20-25		SW-SM	Light brown, poorly graded sand with silt.		
					22						
					23						
252	Dry	0.0	No	BH05 @ 22.5'-25' 1125	24	25		SW-SM	Same as above		
					25						
NS	Dry	0.0	No		26	25-30		SW-SM	Same as above		
					27						
					28						
152	Dry	0.0	No		29	30		SW-SM	Same as above		
					30						
NS	Dry	0.0	No		31	30-35		SW-SM	Same as above		
					32						
					33						
<124	Dry	0.0	No		34	35		SW-SM	Same as above		
					35						
NS	Dry	0.0	No		36	35-40		SW-SM	Same as above		
					37						

 A proud member of WSP								Boring/Well #	BH05	
								Project:	Lybrook Yard WDW #001	
								Project #	102920001	
								Date	4/3/2020	
Qtab (ppm)	Moisture Content	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Run	Recovery	Soil/Rock Type	Lithology/Remarks	No well installed
					37	35-40		SW-SM	Same as above.	
					38					
152	Dry	0.0	No		39					
					40					
NR	NR	NR	NR		41	40-45		NR	No recovery (NR)	
					42					
					43					
NS	Dry	0.0	No	BH05 @ 42.5'-45' 1300	44					
					45			SW-SM	Light brown, poorly graded sand with silt.	
Refusal at 45', sandstone/claystone										

District I

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Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 9012

CONDITIONS OF APPROVAL

Operator:	DJR OPERATING, LLC	1 Road 3263	Aztec, NM87410	OGRID:	371838	Action Number:	9012	Action Type:	C-141
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OCD Reviewer	Condition
csmith	Closure approval was based on the following: - Site was delineated both vertically and horizontally - Impacts are limited to the immediate proximity surrounding an Oil and Gas Injection well bore, - Remaining contaminates of concerns were determined to not be a threat for vertical migration due the minimal concentration and the 20+ feet of separation between impacts and potential ground water.