

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	NRM2030932103
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Robert Asher	Contact Telephone 575-748-4217
Contact email bob_asher@eogresources.com	Incident # (assigned by OCD) NRM2030932103
Contact mailing address 104 S. 4 <sup>th</sup> Street, Artesia, New Mexico	

### Location of Release Source

Latitude 33.54260 Longitude -103.55593  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Abby BLF State #1	Site Type: Battery
Date Release: Discovered 10/20/2020	API# 30-025-38951

Unit Letter	Section	Township	Range	County
N	10	9S	33E	Lea

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 checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 172.42	Volume Recovered (bbls) 0
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input 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;

Pinhole developed in the bottom of a 500 BBL crude oil tank. Volume released was calculated using previous gauge reading of 6' 10" and the current reading of 1' 8 3/4".


State of New Mexico  
Oil Conservation Division

Incident ID	NRM2030932103
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume released was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, an email notification was sent from Robert Asher to Brad Billings, Jim Griswold, Mark Naranjo, Ryan Mann, and enmrd-ocd-district1spills@state.nm.us on 10/20/2020 at 6:13 p.m.	

### 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>Robert Asher</u> Signature:  email: <u>bob_asher@eogresources.com</u>	Title: <u>Environmental Supervisor</u> Date: <u>12/16/2020</u> Telephone: <u>575-748-4217</u>
<b><u>OCD Only</u></b> Received by: <u>Cristina Eads</u> Date: <u>12/16/2020</u>	

Incident ID	nRM2030932103
District RP	
Facility ID	
Application ID	

## 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?	54.81 (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 type="checkbox"/> Yes <input checked="" 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 <b>not</b> 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

Page 4

Incident ID	nRM2030932103
District RP	
Facility ID	
Application ID	

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: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 06/22/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nRM2030932103
District RP	
Facility ID	
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: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 06/22/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: Jennifer Nobui Date: 07/05/2022

2135 S. Loop 250 W,  
Midland, Texas 79703  
United States  
www.ghd.com

GHD Reference #: 11220612

June 21, 2022

New Mexico Oil Conservation Division  
District 1  
1625 N. French Drive  
Hobbs, New Mexico 88240

Re: **Amended Site Characterization and Remediation Plan**  
**Abby BLF State #1 Release Site**  
**EOG Resources, Inc.**  
**Incident ID: nRM2030932103**  
**Unit O-Sec 10-T9S-R33E, Lea County, New Mexico**

## 1. Introduction

GHD Services Inc. (GHD), on behalf of EOG Resources (EOG), submits this Amended Site Characterization Report and Remediation Plan (Plan) to the New Mexico Oil Conservation Division (NMOCD) District 1 Office. This Plan provides documentation of delineation, sampling, and analysis to date in the affected area at the EOG Abby BLF State #1 Release Site (Site). The Site is located in Unit Letter O, Section 10, Township 9 South, and Range 33 East in Lea County, New Mexico (Figure 1). The GPS coordinates for the tank battery where the release occurred are 33.54260 N latitude and 103.55593 W longitude. The surface owner of the land where the release occurred is the New Mexico State Land Office (NMSLO). The EOG production facility and other Site details are depicted on Figure 2, Site Assessment: Soil Analytical Results Map.

## 2. Background Information

A Form C-141, Release Notification, was submitted to the NMOCD on October 28, 2020, then again on December 16, 2020. The C-141 stated that the release was discovered on October 20, 2020 and was due to a pinhole in the bottom of a five hundred (500) barrel crude oil tank. Approximately one hundred-seventy-two (172) barrels of crude oil was calculated to have been released, with zero (0) barrels being recovered. The crude oil was released within a tank battery surrounded by an unlined berm.

The release falls under the jurisdiction of the NMOCD District 1 Office in Hobbs, New Mexico. The NMOCD assigned the release with Incident Number nRM2030932103. A previous Site Characterization and Remediation Work Plan dated February 4, 2021 was submitted to the NMOCD for approval. The work plan was denied on June 17, 2021, due to not having the site delineated and due to lack of depth to groundwater information within a half mile of the site. The original Plan stated the nearest groundwater well was located approximately 1.7 miles west of the Site. The Release Notification, Site Assessment/Characterization, and Remediation Plan sections of Form C-141 are attached to the front of this report.



### 3. Groundwater and Site Characterization

On July 20, 2021, Talon LPE (Talon) installed a temporary well, Abby Temp Well, at the following GPS coordinates, 33.542237 N latitude and 103.555846 W longitude, which is located on the well pad and within a half mile from the Site. The temporary well was installed to a total depth of 57.40 feet below ground surface and was dry when drilled. The Abby BLF State #1 Temp Well was left open for seventy-two (72) hours and a water level meter was utilized to determine the presence or absence of groundwater. The depth to groundwater was measured at 54.81 feet below ground surface. Abby BLF State #1 Temp well plugged and abandoned.

According to the Site characterization evaluation and 19.15.29.12.C(4)(a) the Site is located within an area of low karst potential with depth to groundwater fifty-one (51) to one hundred (100) feet below ground surface and meets the closure criteria for depth to groundwater fifty-one (51) to one hundred (100) feet in Table I in NMAC 19.15.29.12. The Site characterization documentation (Karst Potential, Talon and GHD Soil Boring Log, FEMA, Points of Diversion and Wetlands maps) are provided in Attachment A. The soil closure criteria are listed below:

#### General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	51 to 100

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

### 4. Initial Response Summary

EOG conducted an Initial Response action in early November 2020 by removing all equipment from the tank battery, then excavating soils within the berm area to a depth of four (4) feet below ground surface. GHD conducted confirmation sampling of the initial excavation on November 11, 2020. Composite confirmation samples were collected from the bottom and side walls of the excavation from areas representing an area no larger than two hundred (200) square feet. Twenty confirmation samples were collected from the bottom of the excavation (BH -1 through BH-20) and six sidewall confirmation samples (SW-1 through SW-6) were collected from the excavation sidewalls. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Envirotech Laboratory in Farmington, New Mexico.

Analytical results indicated twelve (12) of the bottom hole confirmation samples and one (1) sidewall confirmation sample exhibited TPH concentrations above Table I Closure Criteria: B-1 through B-6, B-8 through B-10, and B-12 through B-14.

None of the confirmation samples exhibited chloride concentrations above closure criteria of 10,000 mg/kg. Details of initial activities were documented in a Site Characterization and Remediation Plan dated February 3, 2021.

## 5. Soil Delineation Assessment Summary and Findings

On June 22, 2021, GHD and EOG's contractor, Culberson Construction Energy Services (CCI) installed 7 test pits, TP1 through TP7, within and around the suspected impacted area. The test pit locations were excavated to depths ranging from the surface to eighteen (18) feet below grade. Soil samples were collected from varying depths of the test pits and field screened for chloride and hydrocarbons. Select soil samples were analyzed for BTEX (EPA Method 8021B), TPH (Method 8015B Modified), and chloride (EPA Method 300) by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Analytical results indicated TPH and/or BTEX concentrations above Table I closure criteria for TP1, TP2, TP3, and TP5. All chloride concentrations were below Table I closure criteria. Analytical results and sample locations are provided on Figure 2, Table 1, and Laboratory Analytical Reports and Chain-of-Custody Documentation provided as Attachment B.

## 6. Waste Management

Waste Management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (NM-01-0019), Gandy Marley, Inc facility. Approximately 740 cubic yards of impacted soil were disposed at Gandy Marley, Inc, the waste manifests from June 22 through July 19, 2021, are available upon request and aren't included in this report due to size of the file. A Daily Disposal Summary is provided as Table 2.

## 7. nRM2030932103 Proposed Work Plan

Analytical results indicated TPH and/or BTEX concentrations above Table I closure criteria for TP1, TP2, TP3, and TP5. GHD, on behalf of EOG, proposes to excavate the areas to the following depths:

- TP5 will be excavated from surface to two (2) feet below grade or until concentrations are below limits for NMAC 19.15.29.13 (restoration).
- TP1 to will be excavated four (4) to eight (8) below grade or until concentrations are below Table I closure criteria.
- TP2 will be excavated ten (10) to fifteen (15) feet below grade or until concentrations are below Table I closure criteria.
- TP3 will be excavated eight (8) to twelve (12) feet below grade or until concentrations are below Table I closure criteria.



Composite confirmation samples will be collected from the bottom and side walls of the excavation from areas representing an area no larger than two hundred (200) square feet. Discrete soil samples will be collected from the side walls if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Excavated soils will be transported to a NMOCD-approved disposal facility for disposal. The anticipated volume of soil to be disposed of is approximately 2,900 cubic yards. The excavation will be backfilled with non-impacted soil transported to the Site. The remediation will be performed within 90 days after the work plan has been approved. A closure report documenting remediation activities will be prepared and submitted to the NMOCD when remediation activities have been completed.

If you have any questions or comments concerning this Amended Site Characterization and Remediation Work Plan, please do not hesitate to contact our Midland office at (432) 686-0086.

Sincerely,

GHD



Becky Haskell  
Senior Project Manager



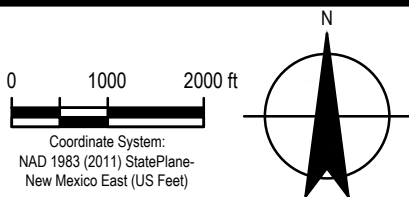
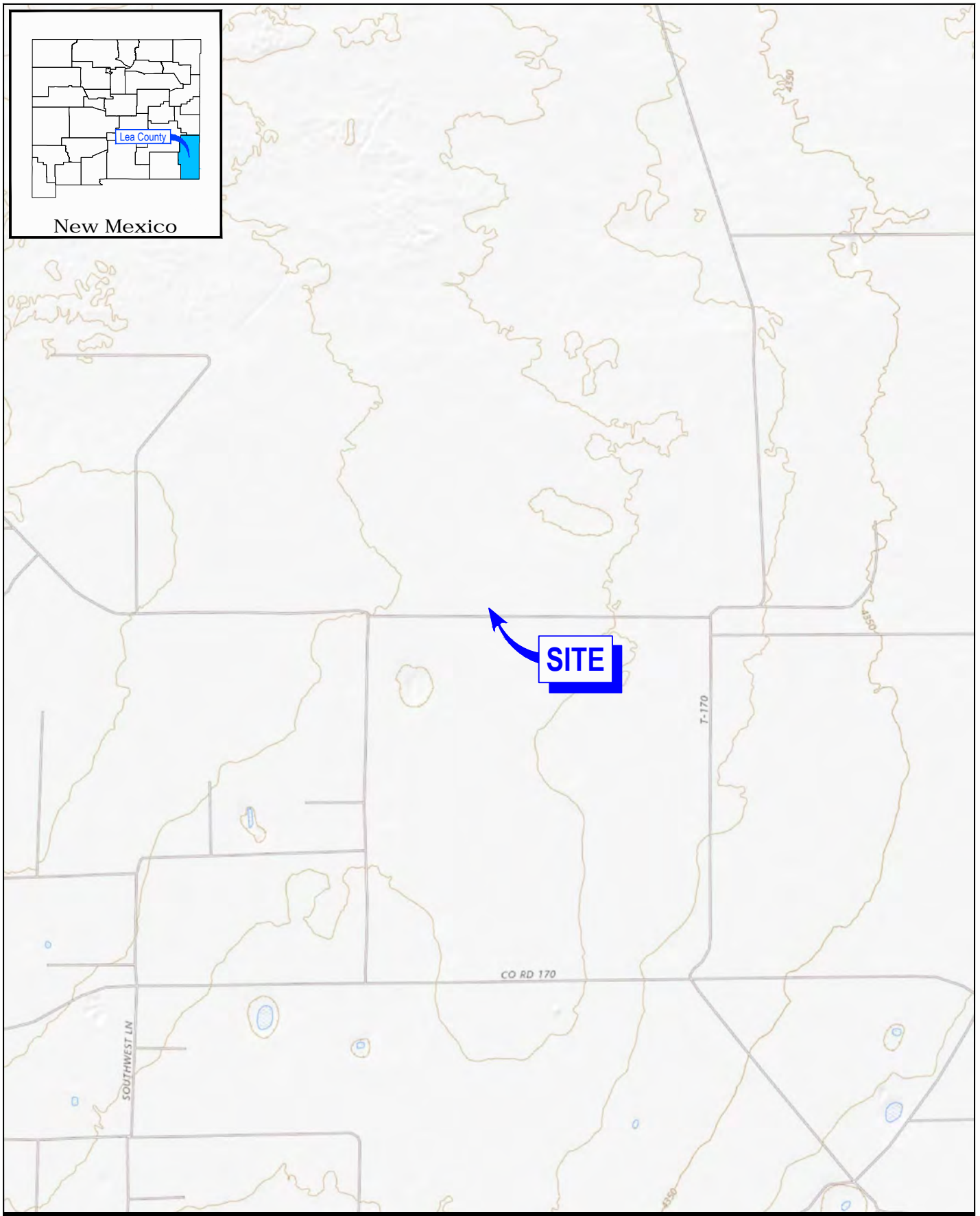
Thomas C. Larson, M.S.  
Midland Operation Manager

BH/tl/1

Encl.    Figure 1 – Site Location Map  
          Figure 2 – Site Assessment: Soil Analytical Results Map  
          Table 1 – Summary of Soil Analytical Data  
          Table 2 – Daily Disposal Summary  
          Attachment A – Site Characterization Documentation  
          Attachment B – Laboratory Analytical Reports and Chain-of-Custody Documentation

cc:       Chase Settle

## Figures



EOG RESOURCES  
LEA COUNTY, NEW MEXICO  
ABBY BLF STATE #1

Project No. 11220612  
Date November 2021

SITE LOCATION MAP

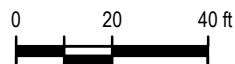
FIGURE 1

Sample ID	Sample Date	Depth (feet bgs)	Benzene	BTEX	TPH Total GRO/DRO/MRO	Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
			Table 1 Closure Criteria for Soils <50 feet Depth to			
			10 mg/Kg	50 mg/Kg	2,500 mg/Kg	10,000 mg/Kg
<b>2021 Assessment Samples</b>						
TP1-4	6/22/21	4	<0.096	36.4	5,610	86
TP1-8	6/22/21	8	<0.019	<0.077	<49	<60
TP1-12	6/22/21	12	<0.018	<0.072	<48	<60
TP1-13	6/22/21	13	<0.091	<0.36	<50	<60
TP2-4	6/22/21	4	15	344	33,700	470
TP2-10	6/22/21	10	7.4	218.4	13,500	150
TP2-15	6/22/21	15	0.046	1.002	422	240
TP2-18	6/22/21	18	<0.022	<0.088	263	260
TP3-4	6/22/21	4	4.6	275.6	18,600	<60
TP3-8	6/22/21	8	0.41	35.91	4,560	140
TP3-12	6/22/21	12	<0.093	2.72	810	68
TP4-S	6/22/21	Surface	<0.017	<0.069	12	<59
TP4-2	6/22/21	2	<0.019	<0.074	<46	<60
TP5-S	6/22/21	Surface	<0.020	<0.080	670	<60
TP5-2	6/22/21	2	<0.018	<0.072	<50	<60
TP6-S	6/22/21	Surface	<0.020	<0.080	<48	<60
TP6-2	6/22/21	2	<0.018	<0.071	<48	<59
TP7-S	6/22/21	Surface	<0.017	<0.067	94	<60
TP7-2	6/22/21	2	<0.019	<0.076	<45	88

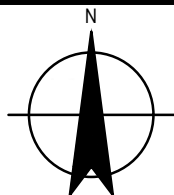
**LEGEND**

- 8-12' PROPOSED EXCAVATION AREA w/ DEPTH
- TEST PIT LOCATION
- DEPTH DEPTH OF SAMPLE (FT)
- BTEX BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)
- TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)

ACCESS ROAD



Coordinate System:  
NAD 1983 (2011) StatePlane-  
New Mexico East (US Feet)

**NOTES:**

- RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).
- SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
- YELLOW SHADED CELLS INDICATE EXCEEDANCE.



EOG RESOURCES  
LEA COUNTY, NEW MEXICO  
ABBY BLF STATE #1

Project No. 11220612  
Date June 2022

**SITE ASSESSMENT:  
SOIL ANALYTICAL RESULTS MAP**

**FIGURE 2**

## Tables



**Table 1**  
**Summary of Soil Analytical Data**  
**Abby BLF State #1**  
**EOG Resources**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/Kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/Kg	---	---	---	50 mg/Kg	1,000 mg/Kg	---	2,500 mg/Kg	10,000 mg/Kg	
<b>Initial Assessment Samples</b>												
SW-1	11/11/2020	0-3"	<0.0250	<.0250	<.0250	0.0655	<b>0.1</b>	<200	<b>61</b>	<50.0	<b>61</b>	<b>1,360</b>
SW-2	11/11/2020	0-3"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<25.0	<50.0	0	<b>277</b>
SW-3	11/11/2020	0-3"	<0.0250	1.06	1.17	9.13	<b>11.4</b>	<200	<b>13,700</b>	<b>4,290</b>	<b>17,990</b>	<b>4,700</b>
SW-4	11/11/2020	0-3"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<b>40</b>	<50.0	40	<b>1,340</b>
SW-5	11/11/2020	0-3"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<b>25</b>	<50.0	25	<b>194</b>
SW-6	11/11/2020	0-3"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<25.0	<50.0	<275	<b>114</b>
B-1	11/11/2020	0-6"	<b>1.47</b>	18.8	11	74.5	<b>105.8</b>	564	<b>14,300</b>	<b>3,220</b>	<b>18,084</b>	<b>1,470</b>
B-2	11/11/2020	0-6"	<b>1.88</b>	23.6	14.7	101	<b>141.2</b>	859	<b>19,600</b>	<b>3,120</b>	<b>23,579</b>	<b>467</b>
B-3	11/11/2020	0-6"	<b>0.926</b>	7.51	6.21	47.6	<b>62.2</b>	532	<b>19,900</b>	<b>4,720</b>	<b>25,152</b>	<b>403</b>
B-4	11/11/2020	0-6"	<0.0250	0.0388	0.0313	0.405	<b>0.5</b>	<200	<b>1,840</b>	<b>490</b>	<b>2,330</b>	<b>1,370</b>
B-5	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<b>1,050</b>	<b>294</b>	<b>1,344</b>	<b>723</b>
B-6	11/11/2020	0-6"	<0.0250	<.0250	<.0250	1.41	<b>1.41</b>	<200	<b>4,350</b>	<b>881</b>	<b>5,231</b>	<b>333</b>
B-7	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<.0251	<200	<b>714</b>	<b>254</b>	968	<b>190</b>
B-8	11/11/2020	0-6"	0.788	6.44	4.64	34.6	<b>46.5</b>	347	<b>14,500</b>	<b>2,550</b>	<b>17,397</b>	<b>3,770</b>
B-9	11/11/2020	0-6"	<b>2.5</b>	16	11.2	82.4	<b>112.1</b>	686	<b>28,400</b>	<b>6,270</b>	<b>35,356</b>	<b>1,990</b>
B-10	11/11/2020	0-6"	<0.0250	0.667	2.44	22.7	<b>25.8</b>	<b>241</b>	<b>10,100</b>	<b>2,310</b>	<b>12,651</b>	<b>1,130</b>
B-11	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	49	<50.0	49	<b>362</b>
B-12	11/11/2020	0-6"	<0.0250	0.311	0.893	8.84	10.0	<200	<b>4,390</b>	<b>773</b>	<b>5,163</b>	<b>1,250</b>
B-13	11/11/2020	0-6"	<0.0250	0.323	0.944	7.2	<b>8.5</b>	<200	<b>8,570</b>	<b>2,330</b>	<b>10,900</b>	<b>921</b>
B-14	11/11/2020	0-6"	<0.0250	3.91	4.34	33.1	<b>41.4</b>	<b>376</b>	<b>10,100</b>	<b>1,670</b>	<b>12,146</b>	<b>225</b>
B-15	11/11/2020	0-6"	<0.0250	<.0250	<.0250	0.113	<b>0.1</b>	<200	<b>484</b>	<b>174</b>	<b>658</b>	<b>891</b>
B-16	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<b>203</b>	<b>80</b>	<b>283</b>	<b>94</b>
B-17	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<25.0	<50.0	<275	<b>67</b>
B-18	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<25.0	<50.0	<275	<b>60</b>
B-19	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<b>32</b>	<50.0	<b>32</b>	<b>31</b>
B-20	11/11/2020	0-6"	<0.0250	<.0250	<.0250	<.0250	<0.0250	<200	<b>193</b>	<b>84</b>	<b>277</b>	<b>272</b>
<b>2021 Assessment Samples</b>												
TP1-4	6/22/21	4	<0.096	<b>3.4</b>	<b>4.0</b>	<b>29</b>	<b>36.4</b>	<b>910</b>	<b>3,700</b>	<b>1,000</b>	<b>5,610</b>	<b>86</b>
TP1-8	6/22/21	8	<0.019	<0.038	<0.038	<0.077	<0.077	<3.8	<9.9	<49	<49	<60
TP1-12	6/22/21	12	<0.018	<0.036	<0.036	<0.072	<0.072	<3.6	<9.6	<48	<48	<60
TP1-13	6/22/21	13	<0.091	<0.18	<0.18	<0.36	<0.36	<18	<10	<50	<50	<60



**Table 1**  
**Summary of Soil Analytical Data**  
**Abby BLF State #1**  
**EOG Resources**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (feet bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH				Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/Kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/Kg	---	---	---	50 mg/Kg	1,000 mg/Kg	---	---	2,500 mg/Kg	10,000 mg/Kg
TP2-4	6/22/21	4	15	68	31	230	344	4,100	23,000	6,600	33,700	470
TP2-10	6/22/21	10	7.4	51	20	140	218.4	3,800	7,900	1,800	13,500	150
TP2-15	6/22/21	15	0.046	0.20	0.086	0.67	1.002	23	310	89	422	240
TP2-18	6/22/21	18	<0.022	<0.044	<0.044	<0.088	<0.088	<4.4	190	73	263	260
TP3-4	6/22/21	4	4.6	63	28	180	275.6	3,700	12,000	2,900	18,600	<60
TP3-8	6/22/21	8	0.41	6.3	3.2	26	35.91	760	3,000	800	4,560	140
TP3-12	6/22/21	12	<0.093	0.33	0.29	2.1	2.72	100	540	170	810	68
TP4-S	6/22/21	Surface	<0.017	<0.034	<0.034	<0.069	<0.069	<3.4	12	<49	12	<59
TP4-2	6/22/21	2	<0.019	<0.037	<0.037	<0.074	<0.074	<3.7	<9.3	<46	<46	<60
TP5-S	6/22/21	Surface	<0.020	<0.040	<0.040	<0.080	<0.080	<4.0	290	380	670	<60
TP5-2	6/22/21	2	<0.018	<0.036	<0.036	<0.072	<0.072	<3.6	<10	<50	<50	<60
TP6-S	6/22/21	Surface	<0.020	<0.040	<0.040	<0.080	<0.080	<4.0	<9.5	<48	<48	<60
TP6-2	6/22/21	2	<0.018	<0.036	<0.036	<0.071	<0.071	<3.6	<9.7	<48	<48	<59
TP7-S	6/22/21	Surface	<0.017	<0.033	<0.033	<0.067	<0.067	<3.3	36	58	94	<60
TP7-2	6/22/21	2	<0.019	<0.038	<0.038	<0.076	<0.076	<3.8	<9.1	<45	<45	88

1. Values reported in mg/kg

2. &lt; = Value Less than Reporting Limit (RL)

3. Bold Indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B.

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).


 Sample Point Excavated

**Table 2**  
**Daily Disposal Summary**  
**Abby BLF State #1**  
**EOG Resources**  
**Lea County, New Mexico**

<b>Date of Disposal</b>	<b>Cubic Yards Disposed</b>
6/22/2021	120
7/16/2021	480
7/19/2021	140
<b>Project Total</b>	<b>740</b>

# Attachment A

## Site Characterization Documentation

# Abby ALF State #1

Karst Potential Map

## Legend

-  Abby BLF State #1
-  High
-  Low
-  Medium

 Abby BLF State #1



300 ft






# OSE POD Locations Map - Abby BLF State #1

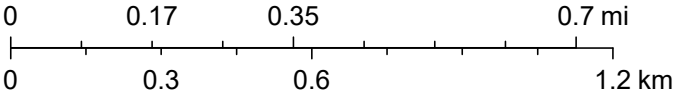


6/21/2022, 9:23:54 AM

GIS WATERS PODs

-  Pending
-  OSE District Boundary
-  SiteBoundaries

1:18,056



Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, U.S. Department of Energy Office of Legacy Management





Amarillo, TX - Artesia, NM  
Midland, TX - Oklahoma City, OK  
San Antonio, TX - Fort Collins, CO

### BORING LOG

Boring Number: <u>ATW #1</u>	Job Number: <u>700438.265.01</u>	Driller/Co.: <u>Talon/LPE</u>
Site Name: <u>Edley Alvey BLF State #1</u>	LPST # <u>N/A</u>	Bit Size: <u>5 7/8"</u>
Location: <u>33.542237, -103.555846</u>	Weather: <u>Sunny</u>	Rig Type: <u>Reichardt</u>
Date: <u>7/20/2021</u>	Sample Retrieval Method: <u>Grab</u>	Drilling Method: <u>Air Rotary</u>

Time	Sample Number	Sample Interval (ft)	Sample Recovery (ft)	USCS	Sample Material/Comments (include composition, moisture, hardness, grain size, color)	ODOR	PID (ppm)
	1	0-5'	N/A	N/A	Sand w/ Gravel, brown	N/A	
	2	5-10'			SAA		
	3	10-15'			SAA		
	4	15-20'			SAA		
	5	20-25'			Sandstone w/ Sand, brown		
	6	25-30'			SAA		
	7	30-35'			SAA		
	8	35-40'			Sand w/ Gravel, brown		
	9	40-45'			SAA		
	10	45-50'			SAA		
	11	50-57'			SAA		

\* Borehole dry when drilled; Water measured @ 54.81 ft. bgs after 72 hours.





# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: EOG Abby BLF State #1 Release Site

HOLE DESIGNATION: Abby Temp Well #1

NUMBER: 11220612

DATE COMPLETED: 20 July 2021

CLIENT: EOG Resources, INC.

DRILLING METHOD: Air Rotary

LOCATION: N-10-09S-33E, Lea County, NM 33.542237, -103.555846

FIELD PERSONNEL: Lee M./Zach C.

File: \\GHDNET\GHD\USALBUQUERQUE\PROJECTS\66211220612\WORKSHARE\FIELD\GINT LOG\11220612 LOGS.GPJ Library File: 11220612 GHD\_ENVIRO\_V04.GLB Report: OVERBURDEN LOG Date: 26/7/21

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH m BGS	MONITOR INSTALLATION	SAMPLE				
				NUMBER	INTERVAL	REC (%)	mS/cm	
	SAND, fine/medium, with sandstone, brown, dry							
5	SAND, with caliche, dry	5.00						
10								
15								
20								
23	SAND, fine/medium, with consolidated sandstone throughout, dry	23.00						
25								
30	SAND, with partially consolidated sandstone and caliche	30.00						
35								
40								
45	CLAYEY SAND, with caliche stone interbedded, brown, dry	45.00						
50								
55								
57.40	END OF BOREHOLE @ 57.40ft BGS	57.40						
60								
65								
70								
75								

**WELL DETAILS**  
Screened interval:  
47.40 to 57.40ft BGS  
Length: 10ft

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE

# Abby BLF State #1

Significant Watercourse Map

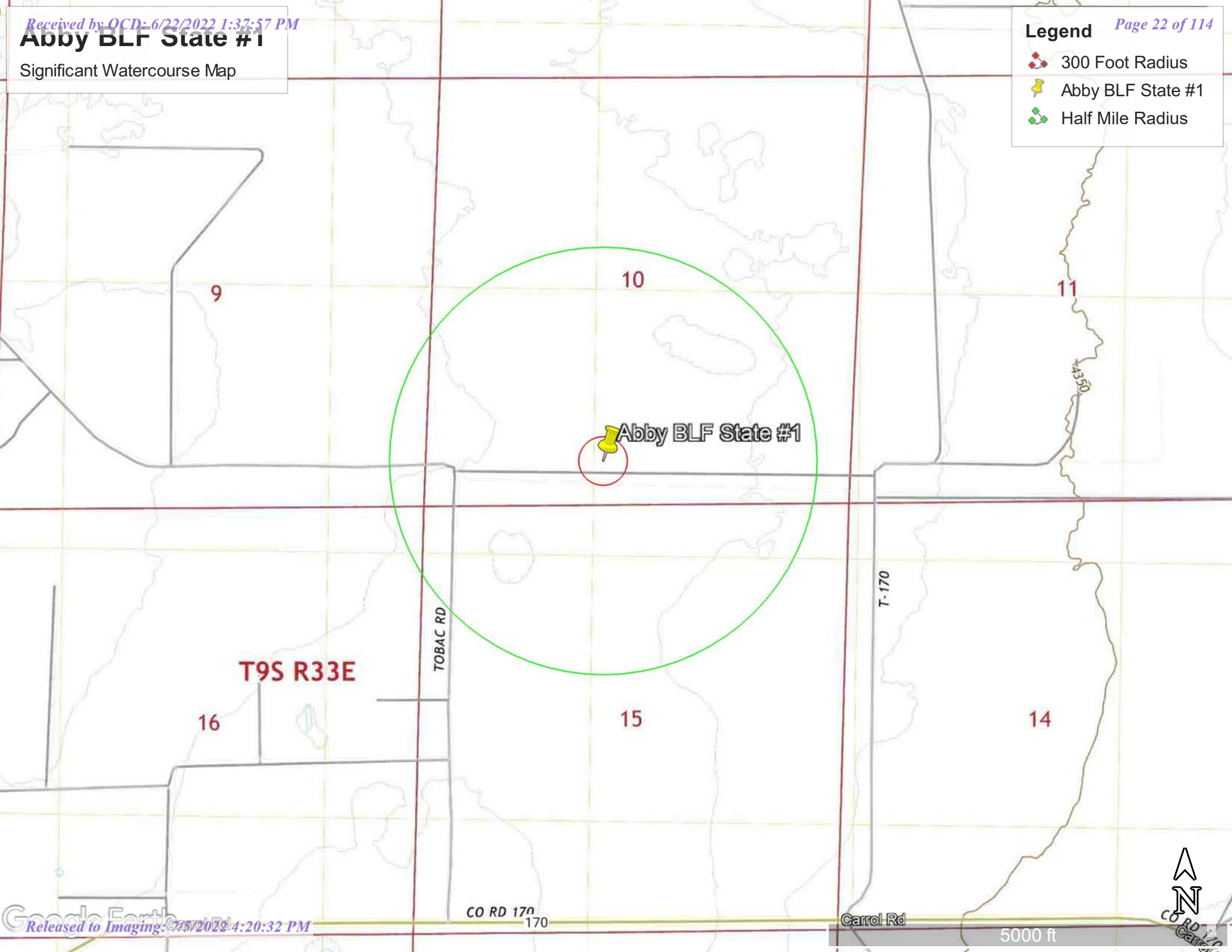
Legend

Page 22 of 114

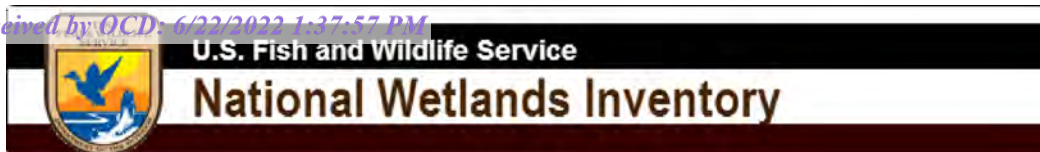
 300 Foot Radius

 Abby BLF State #1

 Half Mile Radius



5000 ft








## Abby BLF State #1






July 2, 2021

**Wetlands**

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

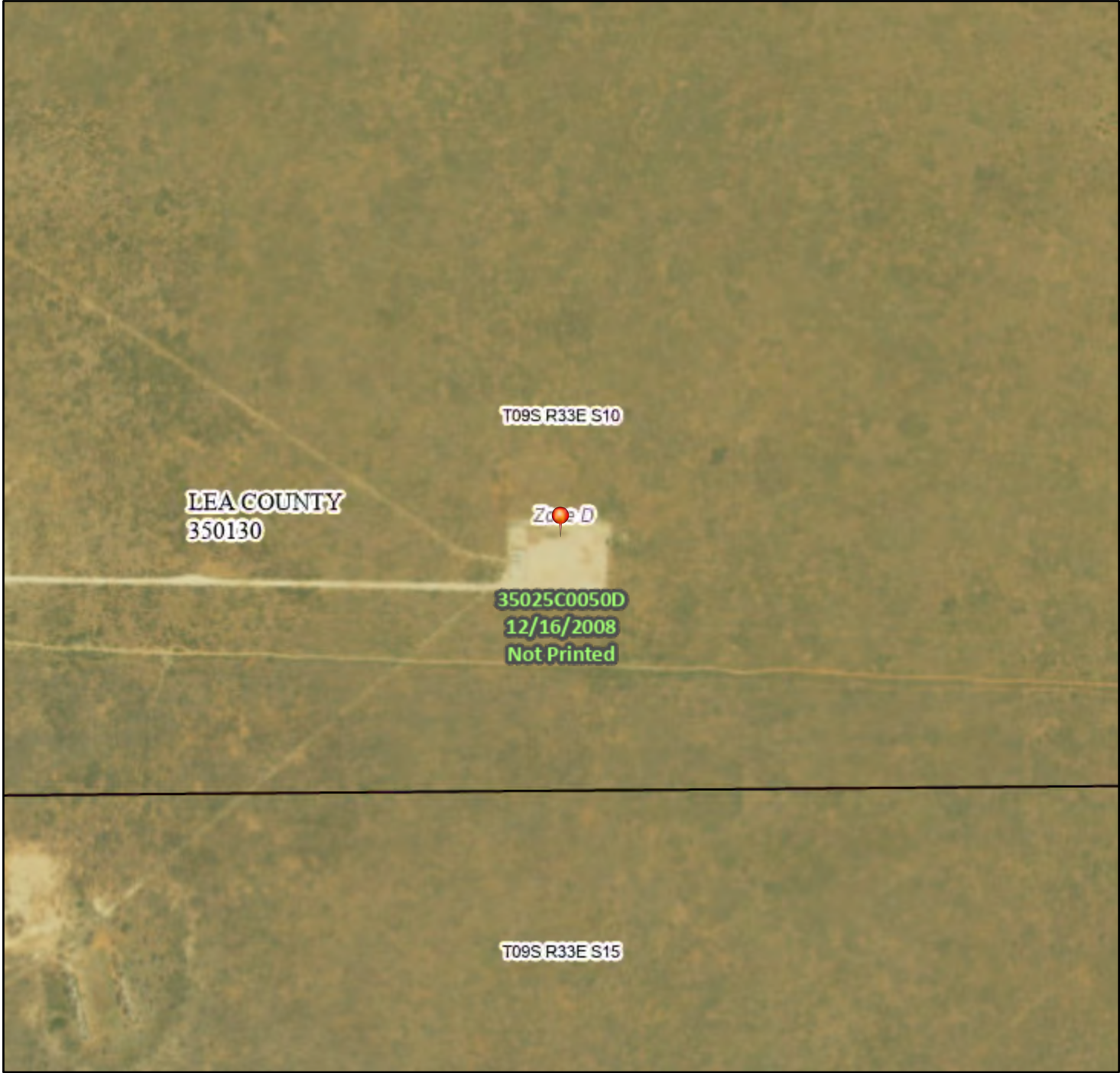
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



# National Flood Hazard Layer FIRMMette



103°33'40"W 33°32'48"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/21/2022 at 10:19 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

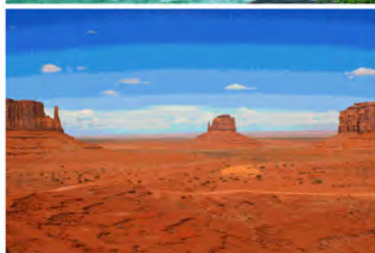
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

# Attachment B Laboratory Analytical Reports and Chain-of- Custody Documentation

Report to:

Jeff Walker

104 South 4th Street  
Artesia, NM 88210



5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

EOG Resources Inc. - Carlsbad

Project Name: Abb-1 BLF State #1

Work Order: E011038

Job Number: 19034-0001

Received: 11/12/2020

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/18/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted 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 data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.



Date Reported: 11/18/20

Jeff Walker  
104 South 4th Street  
Artesia, NM 88210



Project Name: Abb-1 BLF State #1  
Workorder: E011038  
Date Received: 11/12/2020 9:35:00AM

Jeff Walker,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/12/2020 9:35:00AM, under the Project Name: Abb-1 BLF State #1.

The analytical test results summarized in this report with the Project Name: Abb-1 BLF State #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SP-1	6
SP-2	7
SP-3	8
SP-4	9
SP-5	10
SP-6	11
SP-7	12
SP-8	13
SW-1	14
SW-2	15
SW-3	16
SW-4	17
SW-5	18
SW-6	19
B-1	20
B-2	21
B-3	22
B-4	23
B-5	24
B-6	25

## Table of Contents (continued)

B-7	26
B-8	27
B-9	28
B-10	29
B-11	30
B-12	31
B-13	32
B-14	33
B-15	34
B-16	35
B-17	36
B-18	37
B-19	38
B-20	39
QC Summary Data	40
QC - Volatile Organics by EPA 8021B	40
QC - Nonhalogenated Organics by EPA 8015D - GRO	42
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	44
QC - Anions by EPA 300.0/9056A	46
Definitions and Notes	48
Chain of Custody etc.	49

## Sample Summary

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name:	Abb-1 BLF State #1	<b>Reported:</b>  11/18/20 08:11
	Project Number:	19034-0001	
	Project Manager:	Jeff Walker	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP-1	E011038-01A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SP-2	E011038-02A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SP-3	E011038-03A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SP-4	E011038-04A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SP-5	E011038-05A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SP-6	E011038-06A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SP-7	E011038-07A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SP-8	E011038-08A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SW-1	E011038-09A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SW-2	E011038-10A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SW-3	E011038-11A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SW-4	E011038-12A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SW-5	E011038-13A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
SW-6	E011038-14A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-1	E011038-15A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-2	E011038-16A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-3	E011038-17A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-4	E011038-18A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-5	E011038-19A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-6	E011038-20A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-7	E011038-21A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-8	E011038-22A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-9	E011038-23A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-10	E011038-24A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-11	E011038-25A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-12	E011038-26A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-13	E011038-27A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-14	E011038-28A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-15	E011038-29A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-16	E011038-30A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-17	E011038-31A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-18	E011038-32A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-19	E011038-33A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.
B-20	E011038-34A	Soil	11/11/20	11/12/20	Glass Jar, 4 oz.



## Sample Data

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Abb-1 BLF State #1 Project Number: 19034-0001 Project Manager: Jeff Walker	<b>Reported:</b> 11/18/2020 8:11:18AM
--	--	--

## SP-1

## E011038-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Benzene	0.685	0.250	10	11/12/20	11/12/20	
Toluene	15.9	0.250	10	11/12/20	11/12/20	
Ethylbenzene	9.80	0.250	10	11/12/20	11/12/20	
p,m-Xylene	45.6	0.500	10	11/12/20	11/12/20	
o-Xylene	21.9	0.250	10	11/12/20	11/12/20	
Total Xylenes	67.5	0.250	10	11/12/20	11/12/20	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Gasoline Range Organics (C6-C10)	588	200	10	11/12/20	11/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.8 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2046037	
Diesel Range Organics (C10-C28)	8300	250	10	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	1240	500	10	11/13/20	11/16/20	
Surrogate: n-Nonane	446 %	50-200		11/13/20	11/16/20	SS
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2046041	
Chloride	1210	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SP-2

## E011038-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	1.43	0.250	10	11/12/20	11/12/20	
Toluene	17.4	0.250	10	11/12/20	11/12/20	
Ethylbenzene	7.50	0.250	10	11/12/20	11/12/20	
p,m-Xylene	42.4	0.500	10	11/12/20	11/12/20	
o-Xylene	21.6	0.250	10	11/12/20	11/12/20	
Total Xylenes	64.0	0.250	10	11/12/20	11/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	540	200	10	11/12/20	11/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	13300	500	20	11/13/20	11/17/20	
Oil Range Organics (C28-C35)	2080	1000	20	11/13/20	11/17/20	
<i>Surrogate: n-Nonane</i>						
		470 %	50-200	11/13/20	11/17/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	440	20.0	1	11/13/20	11/13/20	





## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SP-3

## E011038-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Benzene	ND	0.250	10	11/12/20	11/12/20	
Toluene	3.11	0.250	10	11/12/20	11/12/20	
Ethylbenzene	2.67	0.250	10	11/12/20	11/12/20	
p,m-Xylene	14.9	0.500	10	11/12/20	11/12/20	
o-Xylene	7.49	0.250	10	11/12/20	11/12/20	
Total Xylenes	22.4	0.250	10	11/12/20	11/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	106 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Gasoline Range Organics (C6-C10)	251	200	10	11/12/20	11/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2046037	
Diesel Range Organics (C10-C28)	3280	125	5	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	558	250	5	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
	207 %	50-200		11/13/20	11/16/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2046041	
Chloride	277	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SP-4

## E011038-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Benzene	ND	0.250	10	11/12/20	11/12/20	
Toluene	1.48	0.250	10	11/12/20	11/12/20	
Ethylbenzene	1.74	0.250	10	11/12/20	11/12/20	
p,m-Xylene	8.73	0.500	10	11/12/20	11/12/20	
o-Xylene	4.81	0.250	10	11/12/20	11/12/20	
Total Xylenes	13.5	0.250	10	11/12/20	11/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Gasoline Range Organics (C6-C10)	ND	200	10	11/12/20	11/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2046037	
Diesel Range Organics (C10-C28)	2820	125	5	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	492	250	5	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
	183 %	50-200		11/13/20	11/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2046041	
Chloride	292	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SP-5

## E011038-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	0.999	0.250	10	11/12/20	11/12/20	
Toluene	20.8	0.250	10	11/12/20	11/12/20	
Ethylbenzene	9.49	0.250	10	11/12/20	11/12/20	
p,m-Xylene	55.2	0.500	10	11/12/20	11/12/20	
o-Xylene	27.6	0.250	10	11/12/20	11/12/20	
Total Xylenes	82.8	0.250	10	11/12/20	11/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	713	200	10	11/12/20	11/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	12400	250	10	11/13/20	11/17/20	
Oil Range Organics (C28-C35)	1870	500	10	11/13/20	11/17/20	
<i>Surrogate: n-Nonane</i>						
		552 %	50-200	11/13/20	11/17/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	387	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SP-6

## E011038-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	0.757	0.250	10	11/12/20	11/12/20	
Toluene	13.4	0.250	10	11/12/20	11/12/20	
Ethylbenzene	9.22	0.250	10	11/12/20	11/12/20	
p,m-Xylene	51.1	0.500	10	11/12/20	11/12/20	
o-Xylene	25.8	0.250	10	11/12/20	11/12/20	
Total Xylenes	77.0	0.250	10	11/12/20	11/12/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	758	200	10	11/12/20	11/12/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.8 %	70-130	11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	15400	250	10	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	3460	500	10	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		571 %	50-200	11/13/20	11/14/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	324	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SP-7

## E011038-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.250	10	11/12/20	11/13/20	
Toluene	ND	0.250	10	11/12/20	11/13/20	
Ethylbenzene	ND	0.250	10	11/12/20	11/13/20	
p,m-Xylene	1.19	0.500	10	11/12/20	11/13/20	
o-Xylene	0.566	0.250	10	11/12/20	11/13/20	
Total Xylenes	1.75	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	4840	125	5	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	900	250	5	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
		133 %	50-200	11/13/20	11/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	314	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SP-8

## E011038-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	0.0398	0.0250	1	11/12/20	11/13/20	
Toluene	1.10	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	1.44	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	7.34	0.0500	1	11/12/20	11/13/20	
o-Xylene	3.40	0.0250	1	11/12/20	11/13/20	
Total Xylenes	10.7	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		122 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	119	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.8 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	2900	125	5	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	477	250	5	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
		178 %	50-200	11/13/20	11/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	75.0	20.0	1	11/13/20	11/13/20	





## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SW-1

## E011038-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	0.0655	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	0.0655	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	61.3	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
		98.1 %	50-200	11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	1360	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SW-2

## E011038-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	277	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SW-3

## E011038-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Benzene	ND	0.250	10	11/12/20	11/13/20	
Toluene	1.06	0.250	10	11/12/20	11/13/20	
Ethylbenzene	1.17	0.250	10	11/12/20	11/13/20	
p,m-Xylene	5.95	0.500	10	11/12/20	11/13/20	
o-Xylene	3.17	0.250	10	11/12/20	11/13/20	
Total Xylenes	9.13	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Gasoline Range Organics (C6-C10)	ND	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2046037	
Diesel Range Organics (C10-C28)	13700	250	10	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	4290	500	10	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
	176 %	50-200		11/13/20	11/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2046041	
Chloride	4700	40.0	2	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SW-4

## E011038-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	39.8	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	1340	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SW-5

## E011038-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.7 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	25.4	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	194	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## SW-6

## E011038-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	114	20.0	1	11/13/20	11/13/20	





## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-1

## E011038-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	1.47	0.250	10	11/12/20	11/13/20	
Toluene	18.8	0.250	10	11/12/20	11/13/20	
Ethylbenzene	11.0	0.250	10	11/12/20	11/13/20	
p,m-Xylene	50.0	0.500	10	11/12/20	11/13/20	
o-Xylene	24.6	0.250	10	11/12/20	11/13/20	
Total Xylenes	74.5	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	564	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	14300	250	10	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	3220	500	10	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		636 %	50-200	11/13/20	11/14/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	1470	20.0	1	11/13/20	11/13/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-2

## E011038-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Benzene	1.88	0.250	10	11/12/20	11/13/20	
Toluene	23.6	0.250	10	11/12/20	11/13/20	
Ethylbenzene	14.7	0.250	10	11/12/20	11/13/20	
p,m-Xylene	67.3	0.500	10	11/12/20	11/13/20	
o-Xylene	33.6	0.250	10	11/12/20	11/13/20	
Total Xylenes	101	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	110 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Gasoline Range Organics (C6-C10)	859	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2046037	
Diesel Range Organics (C10-C28)	19600	1250	50	11/13/20	11/17/20	
Oil Range Organics (C28-C35)	3120	2500	50	11/13/20	11/17/20	
<i>Surrogate: n-Nonane</i>						
	757 %	50-200		11/13/20	11/17/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2046041	
Chloride	467	20.0	1	11/13/20	11/14/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-3

## E011038-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Benzene	0.926	0.250	10	11/12/20	11/13/20	
Toluene	7.51	0.250	10	11/12/20	11/13/20	
Ethylbenzene	6.21	0.250	10	11/12/20	11/13/20	
p,m-Xylene	31.3	0.500	10	11/12/20	11/13/20	
o-Xylene	16.3	0.250	10	11/12/20	11/13/20	
Total Xylenes	47.6	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046030	
Gasoline Range Organics (C6-C10)	532	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2046037	
Diesel Range Organics (C10-C28)	19900	500	20	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	4720	1000	20	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
	570 %	50-200		11/13/20	11/14/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2046041	
Chloride	403	20.0	1	11/13/20	11/14/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-4

## E011038-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	<b>0.0388</b>	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	<b>0.0313</b>	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	<b>0.277</b>	0.0500	1	11/12/20	11/13/20	
o-Xylene	<b>0.128</b>	0.0250	1	11/12/20	11/13/20	
Total Xylenes	<b>0.405</b>	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.8 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	<b>1840</b>	25.0	1	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	<b>490</b>	50.0	1	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		160 %	50-200	11/13/20	11/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	<b>1370</b>	20.0	1	11/13/20	11/14/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-5

## E011038-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	1050	50.0	2	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	294	100	2	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	11/13/20	11/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	723	20.0	1	11/13/20	11/14/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-6

## E011038-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Benzene	ND	0.250	10	11/12/20	11/13/20	
Toluene	ND	0.250	10	11/12/20	11/13/20	
Ethylbenzene	ND	0.250	10	11/12/20	11/13/20	
p,m-Xylene	<b>0.824</b>	0.500	10	11/12/20	11/13/20	
o-Xylene	<b>0.587</b>	0.250	10	11/12/20	11/13/20	
Total Xylenes	<b>1.41</b>	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046030
Gasoline Range Organics (C6-C10)	ND	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046037
Diesel Range Organics (C10-C28)	<b>4350</b>	250	10	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	<b>881</b>	500	10	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
		131 %	50-200	11/13/20	11/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046041
Chloride	<b>333</b>	20.0	1	11/13/20	11/14/20	





## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-7

## E011038-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	714	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	254	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
	94.3 %	50-200		11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	190	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-8

## E011038-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	0.788	0.250	10	11/12/20	11/13/20	
Toluene	6.44	0.250	10	11/12/20	11/13/20	
Ethylbenzene	4.64	0.250	10	11/12/20	11/13/20	
p,m-Xylene	22.9	0.500	10	11/12/20	11/13/20	
o-Xylene	11.7	0.250	10	11/12/20	11/13/20	
Total Xylenes	34.6	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	347	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	14500	500	20	11/13/20	11/17/20	
Oil Range Organics (C28-C35)	2550	1000	20	11/13/20	11/17/20	
<i>Surrogate: n-Nonane</i>						
		355 %	50-200	11/13/20	11/17/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	3770	40.0	2	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-9

## E011038-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	2.50	0.250	10	11/12/20	11/13/20	
Toluene	16.0	0.250	10	11/12/20	11/13/20	
Ethylbenzene	11.2	0.250	10	11/12/20	11/13/20	
p,m-Xylene	54.1	0.500	10	11/12/20	11/13/20	
o-Xylene	28.2	0.250	10	11/12/20	11/13/20	
Total Xylenes	82.4	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		109 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	686	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	28400	1250	50	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	6270	2500	50	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		93.4 %	50-200	11/13/20	11/14/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	1990	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-10

## E011038-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.250	10	11/12/20	11/13/20	
Toluene	0.667	0.250	10	11/12/20	11/13/20	
Ethylbenzene	2.44	0.250	10	11/12/20	11/13/20	
p,m-Xylene	14.6	0.500	10	11/12/20	11/13/20	
o-Xylene	8.09	0.250	10	11/12/20	11/13/20	
Total Xylenes	22.7	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	241	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	10100	250	10	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	2310	500	10	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		305 %	50-200	11/13/20	11/14/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	1130	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-11

## E011038-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	49.4	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	362	20.0	1	11/13/20	11/16/20	





## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-12

## E011038-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.250	10	11/12/20	11/13/20	
Toluene	<b>0.311</b>	0.250	10	11/12/20	11/13/20	
Ethylbenzene	<b>0.893</b>	0.250	10	11/12/20	11/13/20	
p,m-Xylene	<b>5.56</b>	0.500	10	11/12/20	11/13/20	
o-Xylene	<b>3.27</b>	0.250	10	11/12/20	11/13/20	
Total Xylenes	<b>8.84</b>	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	<b>4390</b>	250	10	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	<b>773</b>	500	10	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
		166 %	50-200	11/13/20	11/16/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	<b>1250</b>	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-13

## E011038-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.250	10	11/12/20	11/13/20	
Toluene	0.323	0.250	10	11/12/20	11/13/20	
Ethylbenzene	0.944	0.250	10	11/12/20	11/13/20	
p,m-Xylene	4.76	0.500	10	11/12/20	11/13/20	
o-Xylene	2.44	0.250	10	11/12/20	11/13/20	
Total Xylenes	7.20	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	8570	125	5	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	2330	250	5	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		176 %	50-200	11/13/20	11/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	921	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-14

## E011038-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.250	10	11/12/20	11/13/20	
Toluene	3.91	0.250	10	11/12/20	11/13/20	
Ethylbenzene	4.34	0.250	10	11/12/20	11/13/20	
p,m-Xylene	22.1	0.500	10	11/12/20	11/13/20	
o-Xylene	11.0	0.250	10	11/12/20	11/13/20	
Total Xylenes	33.1	0.250	10	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	376	200	10	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	10100	250	10	11/13/20	11/16/20	
Oil Range Organics (C28-C35)	1670	500	10	11/13/20	11/16/20	
<i>Surrogate: n-Nonane</i>						
		319 %	50-200	11/13/20	11/16/20	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	225	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-15

## E011038-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	<b>0.0743</b>	0.0500	1	11/12/20	11/13/20	
o-Xylene	<b>0.0390</b>	0.0250	1	11/12/20	11/13/20	
Total Xylenes	<b>0.113</b>	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	<b>484</b>	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	<b>174</b>	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	<b>891</b>	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-16

## E011038-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.8 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	203	25.0	1	11/13/20	11/13/20	
Oil Range Organics (C28-C35)	80.4	50.0	1	11/13/20	11/13/20	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	11/13/20	11/13/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	94.2	20.0	1	11/13/20	11/16/20	





## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-17

## E011038-31

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.5 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		134 %	50-200	11/13/20	11/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	66.8	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-18

## E011038-32

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.3 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	ND	25.0	1	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		93.2 %	50-200	11/13/20	11/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	59.6	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-19

## E011038-33

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.2 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	32.1	25.0	1	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		147 %	50-200	11/13/20	11/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	30.5	20.0	1	11/13/20	11/16/20	



## Sample Data

EOG Resources Inc. - Carlsbad  
104 South 4th Street  
Artesia NM, 88210

Project Name: Abb-1 BLF State #1  
Project Number: 19034-0001  
Project Manager: Jeff Walker

**Reported:**  
11/18/2020 8:11:18AM

## B-20

## E011038-34

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Benzene	ND	0.0250	1	11/12/20	11/13/20	
Toluene	ND	0.0250	1	11/12/20	11/13/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/13/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/13/20	
o-Xylene	ND	0.0250	1	11/12/20	11/13/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/13/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046032
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/13/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	11/12/20	11/13/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046038
Diesel Range Organics (C10-C28)	193	25.0	1	11/13/20	11/14/20	
Oil Range Organics (C28-C35)	84.1	50.0	1	11/13/20	11/14/20	
<i>Surrogate: n-Nonane</i>						
		128 %	50-200	11/13/20	11/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046042
Chloride	272	20.0	1	11/13/20	11/17/20	



## QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Abb-1 BLF State #1	<b>Reported:</b> 11/18/2020 8:11:18AM
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Jeff Walker	

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2046030-BLK1)

Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	ND	0.0250							
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	7.87		8.00		98.3	70-130			

## LCS (2046030-BS1)

Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	4.99	0.0250	5.00		99.9	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	9.83	0.0500	10.0		98.3	70-130			
o-Xylene	4.89	0.0250	5.00		97.9	70-130			
Total Xylenes	14.7	0.0250	15.0		98.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

## Matrix Spike (2046030-MS1)

Source: E011038-01 Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	51.1	0.250	50.0	0.685	101	54-133			
Toluene	66.3	0.250	50.0	15.9	101	61-130			
Ethylbenzene	61.2	0.250	50.0	9.80	103	61-133			
p,m-Xylene	148	0.500	100	45.6	103	63-131			
o-Xylene	73.5	0.250	50.0	21.9	103	63-131			
Total Xylenes	222	0.250	150	67.5	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	84.5		80.0		106	70-130			

## Matrix Spike Dup (2046030-MSD1)

Source: E011038-01 Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	48.1	0.250	50.0	0.685	94.9	54-133	5.97	20	
Toluene	64.2	0.250	50.0	15.9	96.5	61-130	3.21	20	
Ethylbenzene	58.5	0.250	50.0	9.80	97.4	61-133	4.47	20	
p,m-Xylene	143	0.500	100	45.6	97.8	63-131	3.28	20	
o-Xylene	71.2	0.250	50.0	21.9	98.7	63-131	3.12	20	
Total Xylenes	215	0.250	150	67.5	98.1	63-131	3.22	20	
Surrogate: 4-Bromochlorobenzene-PID	85.5		80.0		107	70-130			



## QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Abb-1 BLF State #1	<b>Reported:</b> 11/18/2020 8:11:18AM
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Jeff Walker	

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2046032-BLK1)

Prepared: 11/12/20 Analyzed: 11/13/20

Benzene	ND	0.0250							
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	7.91		8.00		98.8	70-130			

## LCS (2046032-BS1)

Prepared: 11/12/20 Analyzed: 11/13/20

Benzene	4.91	0.0250	5.00		98.1	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
o-Xylene	4.89	0.0250	5.00		97.7	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			

## Matrix Spike (2046032-MS1)

Source: E011038-21 Prepared: 11/12/20 Analyzed: 11/13/20

Benzene	5.19	0.0250	5.00	ND	104	54-133			
Toluene	5.26	0.0250	5.00	ND	105	61-130			
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.20	0.0250	5.00	ND	104	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		102	70-130			

## Matrix Spike Dup (2046032-MSD1)

Source: E011038-21 Prepared: 11/12/20 Analyzed: 11/13/20

Benzene	5.04	0.0250	5.00	ND	101	54-133	2.92	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	1.67	20	
Ethylbenzene	5.12	0.0250	5.00	ND	102	61-133	2.31	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.77	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	2.83	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	2.13	20	
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			





## QC Summary Data

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Abb-1 BLF State #1 Project Number: 19034-0001 Project Manager: Jeff Walker	Reported: 11/18/2020 8:11:18AM
--	--	-----------------------------------

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2046030-BLK1)

Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

## LCS (2046030-BS2)

Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			

## Matrix Spike (2046030-MS2)

Source: E011038-01 Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	1020	200	500	588	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	74.4		80.0		93.0	70-130			

## Matrix Spike Dup (2046030-MSD2)

Source: E011038-01 Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	1020	200	500	588	86.6	70-130	0.144	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	75.7		80.0		94.6	70-130			



## QC Summary Data

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Abb-1 BLF State #1 Project Number: 19034-0001 Project Manager: Jeff Walker	Reported: 11/18/2020 8:11:18AM
--	--	-----------------------------------

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2046032-BLK1)

Prepared: 11/12/20 Analyzed: 11/13/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

## LCS (2046032-BS2)

Prepared: 11/12/20 Analyzed: 11/13/20

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.8	70-130			

## Matrix Spike (2046032-MS2)

Source: E011038-21 Prepared: 11/12/20 Analyzed: 11/13/20

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.4	70-130			

## Matrix Spike Dup (2046032-MSD2)

Source: E011038-21 Prepared: 11/12/20 Analyzed: 11/13/20

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	4.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			



## QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Abb-1 BLF State #1	<b>Reported:</b>
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Jeff Walker	11/18/2020 8:11:18AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2046037-BLK1)

Prepared: 11/13/20 Analyzed: 11/13/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	58.7		50.0		117	50-200			

## LCS (2046037-BS1)

Prepared: 11/13/20 Analyzed: 11/13/20

Diesel Range Organics (C10-C28)	436	25.0	500		87.1	38-132			
Surrogate: n-Nonane	51.3		50.0		103	50-200			

## Matrix Spike (2046037-MS1)

Source: E011038-01 Prepared: 11/13/20 Analyzed: 11/16/20

Diesel Range Organics (C10-C28)	11500	250	500	8300	642	38-132			M4
Surrogate: n-Nonane	287		50.0		573	50-200			S5

## Matrix Spike Dup (2046037-MSD1)

Source: E011038-01 Prepared: 11/13/20 Analyzed: 11/16/20

Diesel Range Organics (C10-C28)	9480	250	500	8300	238	38-132	19.3	20	M4
Surrogate: n-Nonane	238		50.0		475	50-200			S5



## QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Abb-1 BLF State #1	<b>Reported:</b> 11/18/2020 8:11:18AM
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Jeff Walker	

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2046038-BLK1)

Prepared: 11/13/20 Analyzed: 11/13/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	50.2		50.0		100	50-200			

## LCS (2046038-BS1)

Prepared: 11/13/20 Analyzed: 11/13/20

Diesel Range Organics (C10-C28)	425	25.0	500		85.1	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			

## Matrix Spike (2046038-MS1)

Source: E011038-21 Prepared: 11/13/20 Analyzed: 11/13/20

Diesel Range Organics (C10-C28)	1410	25.0	500	714	139	38-132			M2
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			

## Matrix Spike Dup (2046038-MSD1)

Source: E011038-21 Prepared: 11/13/20 Analyzed: 11/13/20

Diesel Range Organics (C10-C28)	1390	25.0	500	714	134	38-132	1.69	20	M2
Surrogate: n-Nonane	51.4		50.0		103	50-200			



QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Abb-1 BLF State #1	Reported:
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Jeff Walker	11/18/2020 8:11:18AM

Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2046041-BLK1)					Prepared: 11/13/20 Analyzed: 11/13/20				
Chloride	ND	20.0							
LCS (2046041-BS1)					Prepared: 11/13/20 Analyzed: 11/13/20				
Chloride	483	20.0	500		96.7	90-110			
Matrix Spike (2046041-MS1)					Source: E011038-01 Prepared: 11/13/20 Analyzed: 11/13/20				
Chloride	1430	20.0	250	1210	87.9	80-120			
Matrix Spike Dup (2046041-MSD1)					Source: E011038-01 Prepared: 11/13/20 Analyzed: 11/13/20				
Chloride	1500	20.0	250	1210	113	80-120	4.36	20	



## QC Summary Data

EOG Resources Inc. - Carlsbad	Project Name:	Abb-1 BLF State #1	<b>Reported:</b>
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Jeff Walker	11/18/2020 8:11:18AM

## Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

## Blank (2046042-BLK1)

Prepared: 11/13/20 Analyzed: 11/16/20

Chloride ND 20.0

## LCS (2046042-BS1)

Prepared: 11/13/20 Analyzed: 11/16/20

Chloride 253 20.0 250 101 90-110

## Matrix Spike (2046042-MS1)

Source: E011038-21 Prepared: 11/13/20 Analyzed: 11/16/20

Chloride 434 20.0 250 190 97.4 80-120

## Matrix Spike Dup (2046042-MSD1)

Source: E011038-21 Prepared: 11/13/20 Analyzed: 11/16/20

Chloride 419 20.0 250 190 91.6 80-120 3.46 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.





## Definitions and Notes

EOG Resources Inc. - Carlsbad	Project Name:	Abb-1 BLF State #1	
104 South 4th Street	Project Number:	19034-0001	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Jeff Walker	11/18/20 08:11

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



## Project Information

## Chain of Custody

Client: <u>EOG</u>		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Abb-1 BLF State #1</u>		Attention: <u>Bob Asher EOG</u>		Lab WO# <u>E011038</u>		Job Number <u>190340001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Jeff Walker</u>		Address:		Address:									
Address:		City, State, Zip		City, State, Zip		Analysis and Method							RCRA
Phone:		Phone:		Phone:									
Email: <u>jeff.walker@eghd.com</u>		Email:		Email:									
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1130	11/11/20	S	1	SP-1	1	X	X				✓			
1140			1	SP-2	2	X	X				✓			
1145			1	SP-3	3	X	X				✓			
1150			1	SP-4	4	X	X				✓			
1210			1	SP-5	5	X	X				✓			
1205			1	SP-6	6	X	X				✓			
1200			1	SP-7	7	X	X				✓			
1215			1	SP-8	8	X	X				✓			
1348			1	SW-1	9	X	X				✓			
1351	✓	✓	1	SW-2	10	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:

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: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
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.



## Project Information

## Chain of Custody

Page 2 of 4

Client: <u>EOG</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>AbbyBLE State #1</u>		Attention: <u>EOG Bob Ashe</u>		Lab WO# <u>E011038</u>		Job Number <u>190340001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Jeff Walker</u>		Address:		Analysis and Method									
Address:		City, State, Zip		DRO/RO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip		Phone:		Chloride 300.0									
Phone:		Email:											
Email: <u>jeff.walker@egh.com</u>		Report due by:											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/RO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1354	11/11/20	S	1	SW-3	11	X	X				X			
1356			1	SW-4	12	X	X				X			
1359			1	SW-5	13	X	X				X			
1401			1	SW-6	14	X	X				X			
1305			1	B-1	15	X	X				X			
1306			1	B-2	16	X	X				X			
1308			1	B-3	17	X	X				X			
1310			1	B-4	18	X	X				X			
1311			1	B-5	19	X	X				X			
1313			1	B-6	20	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:

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: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
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.



## Project Information

## Chain of Custody

Client: <u>EDG</u>		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Abby BLF State #1</u>		Attention: <u>EDG Bob Asher</u>		Lab WO# <u>E011039</u>		Job Number <u>P03-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Jeff Walker</u>		Address:		Analysis and Method							X		
Address:		City, State, Zip											RCRA
City, State, Zip		Phone:											
Phone:		Email:											
Email: <u>jeff.walker@ghd.com</u>													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1315	11/11/20	S	1	B-7	21	✓	✓				✓			
1317			1	B-8	22	✓	✓				✓			
1319			1	B-9	23	✓	✓				✓			
1321			1	B-10	24	✓	✓				✓			
1323			1	B-11	25	✓	✓				✓			
1327			1	B-12	26	✓	✓				✓			
1329			1	B-13	27	✓	✓				✓			
1331			1	B-14	28	✓	✓				✓			
1333			1	B-15	29	✓	✓				✓			
1335			1	B-16	30	✓	✓				✓			

## 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:

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>4.0</u>
<u>[Signature]</u>	11/11/20	1555	<u>[Signature]</u>	11-11-2020	1555	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	11-11-2020	1700	<u>[Signature]</u>	11/12/20	9:35	
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.



## Project Information

## Chain of Custody

Client: <u>EOG</u>		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Abby BLP</u>		Attention: <u>EOG Bob Ashu</u>		Lab WO# <u>E011038</u>		Job Number <u>190340001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>JEFF Wallen</u>		Address:		Analysis and Method									
Address:		City, State, Zip											RCRA
City, State, Zip		Phone:											
Phone:		Email:											
Email: <u>jeff.wallen@eghd.com</u>													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1338	11/11/20	S	1	B-17	31	✓	✓				✓			
1338	↓	↓	1	B-18	32	✓	✓				✓			
1340	↓	↓	1	B-19	33	✓	✓				✓			
1342	↓	↓	1	B-20	34	✓	✓				✓			

## 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:

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>4.0</u>
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.



Client: EOG  
 Project: Abq- BLF State #1  
 Project Manager: Jeff Walker  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: jeff.walker@eghd.com  
 Report due by: \_\_\_\_\_

Bill To  
 Attention: Bob Asher EOG  
 Address: \_\_\_\_\_  
 City, State, Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: \_\_\_\_\_

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E011038</u>	<u>190340001</u>				<u>X</u>		
Analysis and Method						RCRA	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
1130	11/11/20	S	1	SP-1	1	X	X	X			✓			
1140			1	SP-2	2	X	X	X			✓			
1145			1	SP-3	3	X	X	X			✓			
1150			1	SP-4	4	X	X	X			✓			
1210			1	SP-5	5	X	X	X			✓			
1205			1	SP-6	6	X	X	X			✓			
1200			1	SP-7	7	X	X	X			✓			
1215			1	SP-8	8	X	X	X			✓			
1348			1	SW-1	9	X	X	X			✓			
1351	✓	✓	1	SW-2	10	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:

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) <u>Jeff Walker</u>	Date 11/11/20	Time 1555	Received by: (Signature) <u>Bob Asher</u>	Date 11-11-2020	Time 1555	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>
Relinquished by: (Signature) <u>Jeff Walker</u>	Date 11-11-2020	Time 1700	Received by: (Signature) <u>Bob Asher</u>	Date 11/12/20	Time 9:35	
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.



Released to: Imaging: 7/5/2022 4:20:32 PM

Project Information

Chain of Custody

Received by OCD: 6/22/2022 1:37:57 PM

Client: EOG  
Project: AbbyBLE State #1  
Project Manager: Jeff Walker  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: jeff.walker@eghd.com  
Report due by: \_\_\_\_\_

Bill To  
Attention: EOG Bob Ashe  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E011038</u>	<u>190310001</u>				<u>X</u>		
Analysis and Method						RCRA	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	State	Remarks
1354	11/11/20	S	1	SW-3	11	X	X	X			X				
1356			1	SW-4	12	X	X	X			X				
1359			1	SW-5	13	X	X	X			X				
1401			1	SW-6	14	X	X	X			X				
1305			1	B-1	15	X	X	X			X				
1306			1	B-2	16	X	X	X			X				
1308			1	B-3	17	X	X	X			X				
1310			1	B-4	18	X	X	X			X				
1311			1	B-5	19	X	X	X			X				
1313			1	B-6	20	X	X	X			X				

Additional Instructions:

AM 11/12

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: \_\_\_\_\_

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
<u>[Signature]</u>	11/11/20	1555	<u>[Signature]</u>	11-11-2020	1555
<u>[Signature]</u>	11-11-2020	1700	<u>[Signature]</u>	11/12/20	9:35
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only  
Received on ice: Y N  
T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_  
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

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.



Released for Analytical Use 11/11/20 4:30:37 PM

Project Information

Chain of Custody

Client: EOG  
Project: Abby BLF State #1  
Project Manager: Jeff Walker  
Address:  
City, State, Zip  
Phone:  
Email: jeff.walker@eghd.com  
Report due by:

Bill To  
Attention: EOG Bob Asker  
Address:  
City, State, Zip  
Phone:  
Email:

Lab Use Only				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E011038</u>	<u>110310001</u>				<u>X</u>				
Analysis and Method						RCRA			
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	State			
						NM	CO		
						UT	AZ		
						TX			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
3/5	11/11/20	S	1	B-7	21	✓	✓	X			✓			
1317			1	B-8	22	✓	✓	X			✓			
1319			1	B-9	23	✓	✓	X			✓			
1321			1	B-10	24	✓	✓	X			✓			
1323			1	B-11	25	✓	✓	X			✓			
1327			1	B-12	26	✓	✓	X			✓			
1329			1	B-13	27	✓	✓	X			✓			
1331			1	B-14	28	✓	✓	X			✓			
1333			1	B-15	29	✓	✓	X			✓			
1335			1	B-16	30	✓	✓	X			✓			

Additional Instructions: AM 11/12

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.						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.					
Sampled by:											
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only					
<u>[Signature]</u>	11/11/20	1555	<u>[Signature]</u>	11-11-2020	1555	Received on ice: <u>Y</u> N					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3					
<u>[Signature]</u>	11-11-2020	1700	<u>[Signature]</u>	11/12/20	9:35						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	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  
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.



Client: <u>EOG</u>	Bill To	Lab Use Only				TAT				EPA Program					
Project: <u>Agg. RLF</u>	Attention: <u>EOG Bob Ashu</u>	Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: <u>JEFF Walker</u>	Address:	<u>E011038</u>		<u>190340001</u>					X						
Address:	City, State, Zip	Analysis and Method										RCRA			
City, State, Zip	Phone:									State					
Phone:	Email:									NM	CO	UT	AZ	TX	
mail: <u>jeff.walker@ghd.com</u>															
Report due by:		EO by 8015	EO by 8015	8021	8260	8010	300.0								





[illegible]

## 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: \_\_\_\_\_

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 11/11/20	Time 1555	Received by: (Signature) 	Date 11-11-2020	Time 1555	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4.0
Relinquished by: (Signature) 	Date 11-11-2020	Time 1700	Received by: (Signature) 	Date 11/12/20	Time 9:35	
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.



## Envirotech Analytical Laboratory

Printed: 11/12/2020 10:27:02AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources Inc. - Carlsbad	Date Received:	11/12/20 09:35	Work Order ID:	E011038
Phone:	(575) 748-4217	Date Logged In:	11/12/20 10:09	Logged In By:	Alexa Michaels
Email:	jeff.walker@ghd.com	Due Date:	11/18/20 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: FedexComments/Resolution

Btex analysis was added to the COC per Jeff via Lynn

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



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

June 30, 2021

Becky Haskell

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: Abby BLF Sate 1

OrderNo.: 2106B84

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 19 sample(s) on 6/23/2021 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-001

Collection Date: 6/22/2021 10:20:00 AM

Client Sample ID: TP4-S

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	59		mg/Kg	20	6/23/2021 10:10:06 AM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	6/23/2021 3:22:24 PM	B79322
Surr: BFB	95.4	70-130		%Rec	1	6/23/2021 3:22:24 PM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	12	9.8		mg/Kg	1	6/23/2021 2:38:23 PM	60845
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/23/2021 2:38:23 PM	60845
Surr: DNOP	82.3	70-130		%Rec	1	6/23/2021 2:38:23 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.017		mg/Kg	1	6/23/2021 3:22:24 PM	A79322
Toluene	ND	0.034		mg/Kg	1	6/23/2021 3:22:24 PM	A79322
Ethylbenzene	ND	0.034		mg/Kg	1	6/23/2021 3:22:24 PM	A79322
Xylenes, Total	ND	0.069		mg/Kg	1	6/23/2021 3:22:24 PM	A79322
Surr: 1,2-Dichloroethane-d4	87.6	70-130		%Rec	1	6/23/2021 3:22:24 PM	A79322
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	6/23/2021 3:22:24 PM	A79322
Surr: Dibromofluoromethane	85.5	70-130		%Rec	1	6/23/2021 3:22:24 PM	A79322
Surr: Toluene-d8	114	70-130		%Rec	1	6/23/2021 3:22:24 PM	A79322

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

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

Page 1 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-002

Collection Date: 6/22/2021 10:25:00 AM

Client Sample ID: TP5-S

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 10:22:30 AM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	6/23/2021 4:48:53 PM	B79322
Surr: BFB	90.6	70-130		%Rec	1	6/23/2021 4:48:53 PM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	290	9.5		mg/Kg	1	6/23/2021 3:27:03 PM	60845
Motor Oil Range Organics (MRO)	380	47		mg/Kg	1	6/23/2021 3:27:03 PM	60845
Surr: DNOP	102	70-130		%Rec	1	6/23/2021 3:27:03 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.020		mg/Kg	1	6/23/2021 4:48:53 PM	A79322
Toluene	ND	0.040		mg/Kg	1	6/23/2021 4:48:53 PM	A79322
Ethylbenzene	ND	0.040		mg/Kg	1	6/23/2021 4:48:53 PM	A79322
Xylenes, Total	ND	0.080		mg/Kg	1	6/23/2021 4:48:53 PM	A79322
Surr: 1,2-Dichloroethane-d4	98.2	70-130		%Rec	1	6/23/2021 4:48:53 PM	A79322
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	6/23/2021 4:48:53 PM	A79322
Surr: Dibromofluoromethane	84.5	70-130		%Rec	1	6/23/2021 4:48:53 PM	A79322
Surr: Toluene-d8	114	70-130		%Rec	1	6/23/2021 4:48:53 PM	A79322

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

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

Page 2 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-003

Collection Date: 6/22/2021 10:30:00 AM

Client Sample ID: TP6-S

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 10:34:55 AM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	6/23/2021 6:15:14 PM	B79322
Surr: BFB	96.8	70-130		%Rec	1	6/23/2021 6:15:14 PM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/23/2021 2:13:58 PM	60845
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/23/2021 2:13:58 PM	60845
Surr: DNOP	75.5	70-130		%Rec	1	6/23/2021 2:13:58 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.020		mg/Kg	1	6/23/2021 6:15:14 PM	A79322
Toluene	ND	0.040		mg/Kg	1	6/23/2021 6:15:14 PM	A79322
Ethylbenzene	ND	0.040		mg/Kg	1	6/23/2021 6:15:14 PM	A79322
Xylenes, Total	ND	0.080		mg/Kg	1	6/23/2021 6:15:14 PM	A79322
Surr: 1,2-Dichloroethane-d4	96.1	70-130		%Rec	1	6/23/2021 6:15:14 PM	A79322
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	6/23/2021 6:15:14 PM	A79322
Surr: Dibromofluoromethane	88.7	70-130		%Rec	1	6/23/2021 6:15:14 PM	A79322
Surr: Toluene-d8	118	70-130		%Rec	1	6/23/2021 6:15:14 PM	A79322

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

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

Page 3 of 27



## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-004

Collection Date: 6/22/2021 10:35:00 AM

Client Sample ID: TP7-S

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 10:47:19 AM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	6/23/2021 6:44:00 PM	B79322
Surr: BFB	94.4	70-130		%Rec	1	6/23/2021 6:44:00 PM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	36	9.2		mg/Kg	1	6/23/2021 3:03:01 PM	60845
Motor Oil Range Organics (MRO)	58	46		mg/Kg	1	6/23/2021 3:03:01 PM	60845
Surr: DNOP	82.6	70-130		%Rec	1	6/23/2021 3:03:01 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.017		mg/Kg	1	6/23/2021 6:44:00 PM	A79322
Toluene	ND	0.033		mg/Kg	1	6/23/2021 6:44:00 PM	A79322
Ethylbenzene	ND	0.033		mg/Kg	1	6/23/2021 6:44:00 PM	A79322
Xylenes, Total	ND	0.067		mg/Kg	1	6/23/2021 6:44:00 PM	A79322
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	6/23/2021 6:44:00 PM	A79322
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	6/23/2021 6:44:00 PM	A79322
Surr: Dibromofluoromethane	89.9	70-130		%Rec	1	6/23/2021 6:44:00 PM	A79322
Surr: Toluene-d8	113	70-130		%Rec	1	6/23/2021 6:44:00 PM	A79322

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

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

Page 4 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-005

Collection Date: 6/22/2021 11:30:00 AM

Client Sample ID: TP1-4

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	86	60		mg/Kg	20	6/23/2021 11:24:32 AM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	910	19		mg/Kg	5	6/23/2021 7:12:41 PM	B79322
Surr: BFB	102	70-130		%Rec	5	6/23/2021 7:12:41 PM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	3700	45		mg/Kg	5	6/23/2021 1:05:09 PM	60845
Motor Oil Range Organics (MRO)	1000	230		mg/Kg	5	6/23/2021 1:05:09 PM	60845
Surr: DNOP	0	70-130	S	%Rec	5	6/23/2021 1:05:09 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.096		mg/Kg	5	6/23/2021 7:12:41 PM	A79322
Toluene	3.4	0.19		mg/Kg	5	6/23/2021 7:12:41 PM	A79322
Ethylbenzene	4.0	0.19		mg/Kg	5	6/23/2021 7:12:41 PM	A79322
Xylenes, Total	29	0.38		mg/Kg	5	6/23/2021 7:12:41 PM	A79322
Surr: 1,2-Dichloroethane-d4	126	70-130		%Rec	5	6/23/2021 7:12:41 PM	A79322
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	5	6/23/2021 7:12:41 PM	A79322
Surr: Dibromofluoromethane	90.8	70-130		%Rec	5	6/23/2021 7:12:41 PM	A79322
Surr: Toluene-d8	110	70-130		%Rec	5	6/23/2021 7:12:41 PM	A79322

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

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

Page 5 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-006

Collection Date: 6/22/2021 11:40:00 AM

Client Sample ID: TP1-8

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 11:36:56 AM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	6/24/2021 1:45:09 PM	S79337
Surr: BFB	94.1	70-130		%Rec	1	6/24/2021 1:45:09 PM	S79337
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/23/2021 9:39:45 AM	60845
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/23/2021 9:39:45 AM	60845
Surr: DNOP	106	70-130		%Rec	1	6/23/2021 9:39:45 AM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.019		mg/Kg	1	6/23/2021 7:41:21 PM	A79322
Toluene	ND	0.038		mg/Kg	1	6/23/2021 7:41:21 PM	A79322
Ethylbenzene	ND	0.038		mg/Kg	1	6/23/2021 7:41:21 PM	A79322
Xylenes, Total	ND	0.077		mg/Kg	1	6/23/2021 7:41:21 PM	A79322
Surr: 1,2-Dichloroethane-d4	97.3	70-130		%Rec	1	6/23/2021 7:41:21 PM	A79322
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	6/23/2021 7:41:21 PM	A79322
Surr: Dibromofluoromethane	84.1	70-130		%Rec	1	6/23/2021 7:41:21 PM	A79322
Surr: Toluene-d8	109	70-130		%Rec	1	6/23/2021 7:41:21 PM	A79322

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

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

Page 6 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-007

Collection Date: 6/22/2021 12:00:00 PM

Client Sample ID: TP1-12

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 11:49:21 AM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/23/2021 8:10:00 PM	B79322
Surr: BFB	92.1	70-130		%Rec	1	6/23/2021 8:10:00 PM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/23/2021 9:52:13 AM	60845
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/23/2021 9:52:13 AM	60845
Surr: DNOP	108	70-130		%Rec	1	6/23/2021 9:52:13 AM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.018		mg/Kg	1	6/23/2021 8:10:00 PM	A79322
Toluene	ND	0.036		mg/Kg	1	6/23/2021 8:10:00 PM	A79322
Ethylbenzene	ND	0.036		mg/Kg	1	6/23/2021 8:10:00 PM	A79322
Xylenes, Total	ND	0.072		mg/Kg	1	6/23/2021 8:10:00 PM	A79322
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	6/23/2021 8:10:00 PM	A79322
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	6/23/2021 8:10:00 PM	A79322
Surr: Dibromofluoromethane	82.9	70-130		%Rec	1	6/23/2021 8:10:00 PM	A79322
Surr: Toluene-d8	110	70-130		%Rec	1	6/23/2021 8:10:00 PM	A79322

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

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

Page 7 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-008

Collection Date: 6/22/2021 12:05:00 PM

Client Sample ID: TP1-13

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 12:01:45 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	6/23/2021 8:38:39 PM	B79322
Surr: BFB	90.6	70-130		%Rec	5	6/23/2021 8:38:39 PM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/23/2021 10:04:53 AM	60845
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/23/2021 10:04:53 AM	60845
Surr: DNOP	109	70-130		%Rec	1	6/23/2021 10:04:53 AM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.091		mg/Kg	5	6/23/2021 8:38:39 PM	A79322
Toluene	ND	0.18		mg/Kg	5	6/23/2021 8:38:39 PM	A79322
Ethylbenzene	ND	0.18		mg/Kg	5	6/23/2021 8:38:39 PM	A79322
Xylenes, Total	ND	0.36		mg/Kg	5	6/23/2021 8:38:39 PM	A79322
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	5	6/23/2021 8:38:39 PM	A79322
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	5	6/23/2021 8:38:39 PM	A79322
Surr: Dibromofluoromethane	88.7	70-130		%Rec	5	6/23/2021 8:38:39 PM	A79322
Surr: Toluene-d8	108	70-130		%Rec	5	6/23/2021 8:38:39 PM	A79322

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

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

Page 8 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-009

Collection Date: 6/22/2021 1:30:00 PM

Client Sample ID: TP2-4

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	470	60		mg/Kg	20	6/23/2021 12:14:09 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	4100	200		mg/Kg	50	6/24/2021 2:42:35 PM	S79337
Surr: BFB	99.7	70-130		%Rec	50	6/24/2021 2:42:35 PM	S79337
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	23000	970		mg/Kg	100	6/23/2021 12:00:03 PM	60845
Motor Oil Range Organics (MRO)	6600	4900		mg/Kg	100	6/23/2021 12:00:03 PM	60845
Surr: DNOP	0	70-130	S	%Rec	100	6/23/2021 12:00:03 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	15	0.10		mg/Kg	5	6/23/2021 9:07:16 PM	A79322
Toluene	68	2.0		mg/Kg	50	6/24/2021 2:42:35 PM	R79337
Ethylbenzene	31	2.0		mg/Kg	50	6/24/2021 2:42:35 PM	R79337
Xylenes, Total	230	4.1		mg/Kg	50	6/24/2021 2:42:35 PM	R79337
Surr: 1,2-Dichloroethane-d4	133	70-130	S	%Rec	5	6/23/2021 9:07:16 PM	A79322
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	5	6/23/2021 9:07:16 PM	A79322
Surr: Dibromofluoromethane	89.1	70-130		%Rec	5	6/23/2021 9:07:16 PM	A79322
Surr: Toluene-d8	108	70-130		%Rec	5	6/23/2021 9:07:16 PM	A79322

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

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

Page 9 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-010

Collection Date: 6/22/2021 1:50:00 PM

Client Sample ID: TP2-10

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	150	61		mg/Kg	20	6/23/2021 12:26:34 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	3800	210		mg/Kg	50	6/24/2021 3:11:15 PM	S79337
Surr: BFB	93.9	70-130		%Rec	50	6/24/2021 3:11:15 PM	S79337
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	7900	200		mg/Kg	20	6/23/2021 12:13:01 PM	60845
Motor Oil Range Organics (MRO)	1800	1000		mg/Kg	20	6/23/2021 12:13:01 PM	60845
Surr: DNOP	0	70-130	S	%Rec	20	6/23/2021 12:13:01 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	7.4	0.10		mg/Kg	5	6/23/2021 9:35:53 PM	A79322
Toluene	51	2.1		mg/Kg	50	6/24/2021 3:11:15 PM	R79337
Ethylbenzene	20	0.21		mg/Kg	5	6/23/2021 9:35:53 PM	A79322
Xylenes, Total	140	4.1		mg/Kg	50	6/24/2021 3:11:15 PM	R79337
Surr: 1,2-Dichloroethane-d4	128	70-130		%Rec	5	6/23/2021 9:35:53 PM	A79322
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	5	6/23/2021 9:35:53 PM	A79322
Surr: Dibromofluoromethane	82.7	70-130		%Rec	5	6/23/2021 9:35:53 PM	A79322
Surr: Toluene-d8	110	70-130		%Rec	5	6/23/2021 9:35:53 PM	A79322

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

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

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-011

Collection Date: 6/22/2021 2:15:00 PM

Client Sample ID: TP2-15

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	240	60		mg/Kg	20	6/23/2021 12:38:59 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	23	4.9		mg/Kg	1	6/24/2021 2:13:53 PM	S79337
Surr: BFB	90.5	70-130		%Rec	1	6/24/2021 2:13:53 PM	S79337
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	310	9.5		mg/Kg	1	6/23/2021 10:17:33 AM	60845
Motor Oil Range Organics (MRO)	89	47		mg/Kg	1	6/23/2021 10:17:33 AM	60845
Surr: DNOP	97.5	70-130		%Rec	1	6/23/2021 10:17:33 AM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	0.046	0.024		mg/Kg	1	6/24/2021 2:13:53 PM	R79337
Toluene	0.20	0.049		mg/Kg	1	6/24/2021 2:13:53 PM	R79337
Ethylbenzene	0.086	0.049		mg/Kg	1	6/24/2021 2:13:53 PM	R79337
Xylenes, Total	0.67	0.097		mg/Kg	1	6/24/2021 2:13:53 PM	R79337
Surr: 1,2-Dichloroethane-d4	99.0	70-130		%Rec	1	6/24/2021 2:13:53 PM	R79337
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	6/24/2021 2:13:53 PM	R79337
Surr: Dibromofluoromethane	85.3	70-130		%Rec	1	6/24/2021 2:13:53 PM	R79337
Surr: Toluene-d8	110	70-130		%Rec	1	6/24/2021 2:13:53 PM	R79337

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

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



## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-012

Collection Date: 6/22/2021 2:45:00 PM

Client Sample ID: TP2-18

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	260	60		mg/Kg	20	6/23/2021 12:51:24 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	6/24/2021 1:24:19 AM	B79322
Surr: BFB	94.8	70-130		%Rec	1	6/24/2021 1:24:19 AM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	190	9.0		mg/Kg	1	6/23/2021 10:30:15 AM	60845
Motor Oil Range Organics (MRO)	73	45		mg/Kg	1	6/23/2021 10:30:15 AM	60845
Surr: DNOP	102	70-130		%Rec	1	6/23/2021 10:30:15 AM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.022		mg/Kg	1	6/24/2021 1:24:19 AM	A79322
Toluene	ND	0.044		mg/Kg	1	6/24/2021 1:24:19 AM	A79322
Ethylbenzene	ND	0.044		mg/Kg	1	6/24/2021 1:24:19 AM	A79322
Xylenes, Total	ND	0.088		mg/Kg	1	6/24/2021 1:24:19 AM	A79322
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	6/24/2021 1:24:19 AM	A79322
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	6/24/2021 1:24:19 AM	A79322
Surr: Dibromofluoromethane	78.8	70-130		%Rec	1	6/24/2021 1:24:19 AM	A79322
Surr: Toluene-d8	105	70-130		%Rec	1	6/24/2021 1:24:19 AM	A79322

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

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

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-013

Collection Date: 6/22/2021 3:00:00 PM

Client Sample ID: TP3-4

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 1:03:48 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	3700	200		mg/Kg	50	6/24/2021 3:39:55 PM	S79337
Surr: BFB	91.8	70-130		%Rec	50	6/24/2021 3:39:55 PM	S79337
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	12000	490		mg/Kg	50	6/23/2021 12:26:04 PM	60845
Motor Oil Range Organics (MRO)	2900	2400		mg/Kg	50	6/23/2021 12:26:04 PM	60845
Surr: DNOP	0	70-130	S	%Rec	50	6/23/2021 12:26:04 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	4.6	0.099		mg/Kg	5	6/24/2021 1:52:56 AM	A79322
Toluene	63	2.0		mg/Kg	50	6/24/2021 3:39:55 PM	R79337
Ethylbenzene	28	2.0		mg/Kg	50	6/24/2021 3:39:55 PM	R79337
Xylenes, Total	180	3.9		mg/Kg	50	6/24/2021 3:39:55 PM	R79337
Surr: 1,2-Dichloroethane-d4	129	70-130		%Rec	5	6/24/2021 1:52:56 AM	A79322
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	5	6/24/2021 1:52:56 AM	A79322
Surr: Dibromofluoromethane	85.1	70-130		%Rec	5	6/24/2021 1:52:56 AM	A79322
Surr: Toluene-d8	110	70-130		%Rec	5	6/24/2021 1:52:56 AM	A79322

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

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

Page 13 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-014

Collection Date: 6/22/2021 3:10:00 PM

Client Sample ID: TP3-8

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	140	61		mg/Kg	20	6/23/2021 1:16:12 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	760	20		mg/Kg	5	6/24/2021 2:21:30 AM	B79322
Surr: BFB	91.3	70-130		%Rec	5	6/24/2021 2:21:30 AM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	3000	49		mg/Kg	5	6/23/2021 12:39:10 PM	60845
Motor Oil Range Organics (MRO)	800	250		mg/Kg	5	6/23/2021 12:39:10 PM	60845
Surr: DNOP	110	70-130		%Rec	5	6/23/2021 12:39:10 PM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	0.41	0.10		mg/Kg	5	6/24/2021 2:21:30 AM	A79322
Toluene	6.3	0.20		mg/Kg	5	6/24/2021 2:21:30 AM	A79322
Ethylbenzene	3.2	0.20		mg/Kg	5	6/24/2021 2:21:30 AM	A79322
Xylenes, Total	26	0.41		mg/Kg	5	6/24/2021 2:21:30 AM	A79322
Surr: 1,2-Dichloroethane-d4	129	70-130		%Rec	5	6/24/2021 2:21:30 AM	A79322
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	5	6/24/2021 2:21:30 AM	A79322
Surr: Dibromofluoromethane	89.0	70-130		%Rec	5	6/24/2021 2:21:30 AM	A79322
Surr: Toluene-d8	107	70-130		%Rec	5	6/24/2021 2:21:30 AM	A79322

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

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

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-015

Collection Date: 6/22/2021 3:30:00 PM

Client Sample ID: TP3-12

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	68	60		mg/Kg	20	6/23/2021 1:53:24 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	100	19		mg/Kg	5	6/24/2021 2:50:00 AM	B79322
Surr: BFB	92.4	70-130		%Rec	5	6/24/2021 2:50:00 AM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	540	8.6		mg/Kg	1	6/23/2021 10:42:55 AM	60845
Motor Oil Range Organics (MRO)	170	43		mg/Kg	1	6/23/2021 10:42:55 AM	60845
Surr: DNOP	102	70-130		%Rec	1	6/23/2021 10:42:55 AM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.093		mg/Kg	5	6/24/2021 2:50:00 AM	A79322
Toluene	0.33	0.19		mg/Kg	5	6/24/2021 2:50:00 AM	A79322
Ethylbenzene	0.29	0.19		mg/Kg	5	6/24/2021 2:50:00 AM	A79322
Xylenes, Total	2.1	0.37		mg/Kg	5	6/24/2021 2:50:00 AM	A79322
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	5	6/24/2021 2:50:00 AM	A79322
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	5	6/24/2021 2:50:00 AM	A79322
Surr: Dibromofluoromethane	90.6	70-130		%Rec	5	6/24/2021 2:50:00 AM	A79322
Surr: Toluene-d8	106	70-130		%Rec	5	6/24/2021 2:50:00 AM	A79322

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

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

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Lab Order: 2106B84

Project: Abby BLF Sate 1

Lab ID: 2106B84-016

Collection Date: 6/22/2021 3:45:00 PM

Client Sample ID: TP5-2

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 2:05:49 PM	60848
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>JMR</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/24/2021 3:18:30 AM	B79322
Surr: BFB	92.3	70-130		%Rec	1	6/24/2021 3:18:30 AM	B79322
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/23/2021 11:08:38 AM	60845
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/23/2021 11:08:38 AM	60845
Surr: DNOP	104	70-130		%Rec	1	6/23/2021 11:08:38 AM	60845
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>JMR</b>
Benzene	ND	0.018		mg/Kg	1	6/24/2021 3:18:30 AM	A79322
Toluene	ND	0.036		mg/Kg	1	6/24/2021 3:18:30 AM	A79322
Ethylbenzene	ND	0.036		mg/Kg	1	6/24/2021 3:18:30 AM	A79322
Xylenes, Total	ND	0.072		mg/Kg	1	6/24/2021 3:18:30 AM	A79322
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	6/24/2021 3:18:30 AM	A79322
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/24/2021 3:18:30 AM	A79322
Surr: Dibromofluoromethane	86.9	70-130		%Rec	1	6/24/2021 3:18:30 AM	A79322
Surr: Toluene-d8	109	70-130		%Rec	1	6/24/2021 3:18:30 AM	A79322

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

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

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD  
Project: Abby BLF Sate 1

Lab Order: 2106B84

Lab ID: 2106B84-017

Collection Date: 6/22/2021 3:50:00 PM

Client Sample ID: TP4-2

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	6/23/2021 2:18:13 PM	60848
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	6/23/2021 11:21:25 AM	60845
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/23/2021 11:21:25 AM	60845
Surr: DNOP	103	70-130		%Rec	1	6/23/2021 11:21:25 AM	60845
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	6/23/2021 4:20:31 PM	G79302
Surr: BFB	104	70-130		%Rec	1	6/23/2021 4:20:31 PM	G79302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.019		mg/Kg	1	6/23/2021 4:20:31 PM	B79302
Toluene	ND	0.037		mg/Kg	1	6/23/2021 4:20:31 PM	B79302
Ethylbenzene	ND	0.037		mg/Kg	1	6/23/2021 4:20:31 PM	B79302
Xylenes, Total	ND	0.074		mg/Kg	1	6/23/2021 4:20:31 PM	B79302
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/23/2021 4:20:31 PM	B79302

Lab ID: 2106B84-018

Collection Date: 6/22/2021 4:00:00 PM

Client Sample ID: TP7-2

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	88	60		mg/Kg	20	6/23/2021 2:30:38 PM	60848
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/23/2021 11:34:19 AM	60845
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/23/2021 11:34:19 AM	60845
Surr: DNOP	109	70-130		%Rec	1	6/23/2021 11:34:19 AM	60845
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	6/23/2021 4:44:19 PM	G79302
Surr: BFB	104	70-130		%Rec	1	6/23/2021 4:44:19 PM	G79302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.019		mg/Kg	1	6/23/2021 4:44:19 PM	B79302
Toluene	ND	0.038		mg/Kg	1	6/23/2021 4:44:19 PM	B79302
Ethylbenzene	ND	0.038		mg/Kg	1	6/23/2021 4:44:19 PM	B79302
Xylenes, Total	ND	0.076		mg/Kg	1	6/23/2021 4:44:19 PM	B79302
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	6/23/2021 4:44:19 PM	B79302

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

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 27

## Analytical Report

Lab Order: 2106B84

Date Reported: 6/30/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD  
Project: Abby BLF Sate 1

Lab Order: 2106B84

Lab ID: 2106B84-019

Collection Date: 6/22/2021 4:05:00 PM

Client Sample ID: TP6-2

Matrix: MEOH (SOIL)

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	59		mg/Kg	20	6/23/2021 2:43:02 PM	60848
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/23/2021 11:47:09 AM	60845
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/23/2021 11:47:09 AM	60845
Surr: DNOP	116	70-130		%Rec	1	6/23/2021 11:47:09 AM	60845
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	6/23/2021 5:08:02 PM	G79302
Surr: BFB	104	70-130		%Rec	1	6/23/2021 5:08:02 PM	G79302
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.018		mg/Kg	1	6/23/2021 5:08:02 PM	B79302
Toluene	ND	0.036		mg/Kg	1	6/23/2021 5:08:02 PM	B79302
Ethylbenzene	ND	0.036		mg/Kg	1	6/23/2021 5:08:02 PM	B79302
Xylenes, Total	ND	0.071		mg/Kg	1	6/23/2021 5:08:02 PM	B79302
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	6/23/2021 5:08:02 PM	B79302

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B84

30-Jun-21

Client: GHD  
Project: Abby BLF Sate 1

Sample ID: MB-60848	SampType: MBLK	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 60848	RunNo: 79312
Prep Date: 6/23/2021	Analysis Date: 6/23/2021	SeqNo: 2785749 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-60848	SampType: LCS	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 60848	RunNo: 79312
Prep Date: 6/23/2021	Analysis Date: 6/23/2021	SeqNo: 2785750 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 92.5 90 110

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106B84

30-Jun-21

**Client:** GHD  
**Project:** Abby BLF Sate 1

Sample ID: <b>MB-60845</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60845</b>	RunNo: <b>79260</b>								
Prep Date: <b>6/23/2021</b>	Analysis Date: <b>6/23/2021</b>	SeqNo: <b>2784853</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		85.4	70	130			

Sample ID: <b>LCS-60845</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60845</b>	RunNo: <b>79260</b>								
Prep Date: <b>6/23/2021</b>	Analysis Date: <b>6/23/2021</b>	SeqNo: <b>2784855</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	68.9	141			
Surr: DNOP	3.9		5.000		78.1	70	130			

Sample ID: <b>2106B84-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP4-S</b>	Batch ID: <b>60845</b>	RunNo: <b>79260</b>								
Prep Date: <b>6/23/2021</b>	Analysis Date: <b>6/23/2021</b>	SeqNo: <b>2785740</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.20	11.92	88.9	15	184			
Surr: DNOP	4.0		5.020		79.9	70	130			

Sample ID: <b>2106B84-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP4-S</b>	Batch ID: <b>60845</b>	RunNo: <b>79260</b>								
Prep Date: <b>6/23/2021</b>	Analysis Date: <b>6/23/2021</b>	SeqNo: <b>2785742</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.4	46.82	11.92	93.8	15	184	1.25	23.9	
Surr: DNOP	3.7		4.682		78.6	70	130	0	0	

Sample ID: <b>MB-60870</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>60870</b>	RunNo: <b>79239</b>								
Prep Date: <b>6/23/2021</b>	Analysis Date: <b>6/24/2021</b>	SeqNo: <b>2789223</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	70	130			

Sample ID: <b>LCS-60870</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>60870</b>	RunNo: <b>79239</b>								
Prep Date: <b>6/23/2021</b>	Analysis Date: <b>6/24/2021</b>	SeqNo: <b>2789224</b>			Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 20 of 27

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B84

30-Jun-21

Client: GHD  
Project: Abby BLF Sate 1

Sample ID: <b>LCS-60870</b>		SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>		Batch ID: <b>60870</b>			RunNo: <b>79239</b>						
Prep Date: <b>6/23/2021</b>		Analysis Date: <b>6/24/2021</b>			SeqNo: <b>2789224</b>		Units: <b>%Rec</b>				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		5.3		5.000		106	70	130			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106B84

30-Jun-21

**Client:** GHD  
**Project:** Abby BLF Sate 1

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G79302</b>		RunNo: <b>79302</b>							
Prep Date:	Analysis Date: <b>6/23/2021</b>		SeqNo: <b>2785365</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G79302</b>		RunNo: <b>79302</b>							
Prep Date:	Analysis Date: <b>6/23/2021</b>		SeqNo: <b>2785366</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	78.6	131			
Surr: BFB	1100		1000		114	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 22 of 27

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106B84

30-Jun-21

**Client:** GHD  
**Project:** Abby BLF Sate 1

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>B79302</b>	RunNo: <b>79302</b>								
Prep Date:	Analysis Date: <b>6/23/2021</b>	SeqNo: <b>2785398</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>B79302</b>	RunNo: <b>79302</b>								
Prep Date:	Analysis Date: <b>6/23/2021</b>	SeqNo: <b>2785399</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 23 of 27

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106B84

30-Jun-21

**Client:** GHD  
**Project:** Abby BLF Sate 1

Sample ID: <b>100ng lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>A79322</b>		RunNo: <b>79322</b>							
Prep Date:	Analysis Date: <b>6/23/2021</b>		SeqNo: <b>2786194</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	70	130			
Toluene	1.1	0.050	1.000	0	108	70	130			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		102	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		102	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>							
Client ID: <b>PBS</b>	Batch ID: <b>A79322</b>		RunNo: <b>79322</b>							
Prep Date:	Analysis Date: <b>6/23/2021</b>		SeqNo: <b>2786196</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		100	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		95.9	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID: <b>2106b84-002ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>							
Client ID: <b>TP5-S</b>	Batch ID: <b>A79322</b>		RunNo: <b>79322</b>							
Prep Date:	Analysis Date: <b>6/23/2021</b>		SeqNo: <b>2786456</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.70	0.020	0.8019	0	87.8	70	130			
Toluene	0.90	0.040	0.8019	0	112	70	130			
Surr: 1,2-Dichloroethane-d4	0.41		0.4010		103	70	130			
Surr: 4-Bromofluorobenzene	0.38		0.4010		95.0	70	130			
Surr: Dibromofluoromethane	0.34		0.4010		84.8	70	130			
Surr: Toluene-d8	0.44		0.4010		110	70	130			

Sample ID: <b>2106b84-002amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8260B: Volatiles Short List</b>							
Client ID: <b>TP5-S</b>	Batch ID: <b>A79322</b>		RunNo: <b>79322</b>							
Prep Date:	Analysis Date: <b>6/23/2021</b>		SeqNo: <b>2786457</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.65	0.020	0.8019	0	81.3	70	130	7.76	20	
Toluene	0.82	0.040	0.8019	0	102	70	130	10.0	20	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 24 of 27

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106B84

30-Jun-21

**Client:** GHD**Project:** Abby BLF Sate 1

Sample ID: <b>2106b84-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>TP5-S</b>	Batch ID: <b>A79322</b>	RunNo: <b>79322</b>								
Prep Date:	Analysis Date: <b>6/23/2021</b>	SeqNo: <b>2786457</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.41		0.4010		102	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.40		0.4010		101	70	130	0	0	
Surr: Dibromofluoromethane	0.34		0.4010		85.4	70	130	0	0	
Surr: Toluene-d8	0.43		0.4010		107	70	130	0	0	

Sample ID: <b>100ng lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>R79337</b>	RunNo: <b>79337</b>								
Prep Date:	Analysis Date: <b>6/24/2021</b>	SeqNo: <b>2786980</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	70	130			
Toluene	1.1	0.050	1.000	0	113	70	130			
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		107	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		95.6	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>PBS</b>	Batch ID: <b>R79337</b>	RunNo: <b>79337</b>								
Prep Date:	Analysis Date: <b>6/24/2021</b>	SeqNo: <b>2786981</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		106	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.5	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.2	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 25 of 27

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106B84

30-Jun-21

**Client:** GHD  
**Project:** Abby BLF Sate 1

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>B79322</b>			RunNo: <b>79322</b>						
Prep Date:	Analysis Date: <b>6/23/2021</b>			SeqNo: <b>2786226</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.2	70	130			
Surr: BFB	480		500.0		95.3	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>B79322</b>			RunNo: <b>79322</b>						
Prep Date:	Analysis Date: <b>6/23/2021</b>			SeqNo: <b>2786228</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	450		500.0		89.8	70	130			

Sample ID: <b>2106b84-001ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>TP4-S</b>	Batch ID: <b>B79322</b>			RunNo: <b>79322</b>						
Prep Date:	Analysis Date: <b>6/23/2021</b>			SeqNo: <b>2786486</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.4	17.18	1.622	103	64.4	124			
Surr: BFB	330		343.7		96.0	70	130			

Sample ID: <b>2106b84-001amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>TP4-S</b>	Batch ID: <b>B79322</b>			RunNo: <b>79322</b>						
Prep Date:	Analysis Date: <b>6/23/2021</b>			SeqNo: <b>2786487</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.4	17.18	1.622	94.3	64.4	124	7.64	20	
Surr: BFB	310		343.7		91.2	70	130	0	0	

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>S79337</b>			RunNo: <b>79337</b>						
Prep Date:	Analysis Date: <b>6/24/2021</b>			SeqNo: <b>2786989</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.8	70	130			
Surr: BFB	470		500.0		93.6	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>S79337</b>			RunNo: <b>79337</b>						
Prep Date:	Analysis Date: <b>6/24/2021</b>			SeqNo: <b>2786990</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

Page 26 of 27

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106B84

30-Jun-21

Client: GHD

Project: Abby BLF Sate 1

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: S79337	RunNo: 79337								
Prep Date:	Analysis Date: 6/24/2021	SeqNo: 2786990 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	460		500.0		92.2	70	130			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

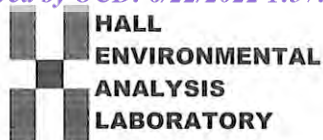
E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit





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

## Sample Log-In Check List

Client Name: **GHD**Work Order Number: **2106B84**RcptNo: **1**Received By: **Juan Rojas**

6/23/2021 7:30:00 AM

*Juan Rojas*Completed By: **Cheyenne Cason**

6/23/2021 7:55:11 AM

*Cheyenne Cason*Reviewed By: **JO**

6-23-21

### Chain of Custody

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

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by: *KPG/RLC*

*6/23/21*

### Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good				
2	3.9	Good				





## Chain-of-Custody Record

Client:

GHD

Mailing Address:

2460 Main St Suite 104 Artesia, NM 87010

Phone #: (505) 377-4218

email or Fax#: BabyHuskel@GHD.com

QA/QC Package: Chase Seft @ ghd.com

☐ Standard  
☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☐ Standard☒ Rush

Project Name:

Albany BLF Site #1

Project #:

11220612

Project Manager:

Baby Huskel

Tom Larson

Sampler:

Zach Camino

On Ice:

☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 1.8-0.1-1.7 (°C)

Container Type and #

Preservative Type

HEAL No.

21061384

013

014

015

016

017

018

019

Date: 6/22/21

Time: 1745

Relinquished by:

Zach Camino

Date: 6/22/21

Time: 1900

Relinquished by:

Zach Camino

Received by:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

6/22/21

Time:

1745

Via:

Manning

Date:

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
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 119613

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 119613
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved.	7/5/2022