

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 15 2017

Form C-141
Revised August 8, 2011

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

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

RECEIVED

Release Notification and Corrective Action

NAB1722833194

OPERATOR

X Initial Report

Final Report


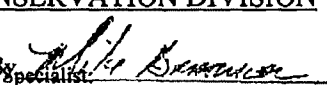
Name of Company: Burnett Oil Co., Inc. 3080	Contact: Johnny Titsworth
Address: Burnett Plaza-Site 1500, 801 Cherry St-Unit 9, Fort Worth, TX 76102	Telephone No. (432) 425-2891
Facility Name: Gissler B 62	Facility Type: Well Location
Surface Owner: BLM	Mineral Owner: BLM
API No. 30-015-40411	

LOCATION OF RELEASE

Unit Letter C	Section 12	Township 17S	Range 30E	Feet from the 207	North/South Line FNL	Feet from the 2024	East/West Line FWL	County Eddy
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Latitude: 32.85586 Longitude: -103.92744

NATURE OF RELEASE

Type of Release: PW & oil	Volume of Release: 19/1	Volume Recovered 10 bbls PW
Source of Release: well head	Date and Hour of Occurrence: 8/12/17 6:00 am	Date and Hour of Discovery 8/12/17 7:00 am
Was Immediate Notice Given? X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD - M. Bratcher BLM - S. Tucker	
By Whom? Johnny Titsworth	Date and Hour: 8/12/17 8:11 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes X No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* release came from union on wellhead. Standing fluid has been picked up and hauled to disposal. Impacted area will be sampled and remediated to regulatory standards.		
Describe Area Affected and Cleanup Action Taken.* majority of release remained on well pad location, with a 10'x15' pooling area in the pasture on the SE corner of the location.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Johnny Titsworth	Approved by Environmental Specialist: 	
Title: HSE Coordinator	Approval Date: 8/15/17	Expiration Date: N/A
E-mail Address: jtitsworth@burnettoil.com	Conditions of Approval: See attached	
Date: 8/15/17	Phone: (432) 425-2891	
Attached ARP-4306		

* Attach Additional Sheets If Necessary

www.emnrr.state.nm.us

Current forms are available on our
website and should be used when
filing regulatory documents.

8/16/17 AR

Incident ID	nAB1722833194
District RP	2RP-4306
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?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input 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 not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAB1722833194
District RP	2RP-4306
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: 09/27/2022
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 09/28/2022

Incident ID	nAB1722833194
District RP	2RP-4306
Facility ID	
Application ID	

Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 09/27/2022
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon Date: 09/28/2022

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

Closure Approved by: Ashley Maxwell Date: 10/6/2022
Printed Name: Ashley Maxwell Title: Environmental Specialist

701 Tradewinds Boulevard, Suite C
Midland, Texas 79706
Tel. 432.685.3898
www.ntglobal.com



NTG
ENVIRONMENTAL

September 27, 2022

**New Mexico Oil Conservation Division
District 2
811 South First Street
Artesia, New Mexico 88210**

**Re: Site Closure Report
Gissler B #62
EOG Resources Inc.
Incident ID: nAB1722833194
C-12-17S-30E, Eddy County, New Mexico**

To Whom it May Concern:

1. Introduction

New Tech Global Environmental, LLC (NTGE), on behalf of EOG Resources (EOG), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMCOD) District 2 Office. This report provides documentation of delineation, sampling, remedial activities, and analyses conducted in the affected area at the EOG Gissler B #62 Release Site (Site). The Site is located in Unit Letter C, Section 12, of Township 17 South and Range 30 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.85586° N latitude and - 103.92744° W longitude. The release occurred on land managed by the Bureau of Land Management (BLM). Figure 1 depicts the Site Location. The EOG production well head and other site details are depicted on Figures 2 and 3.

2. Background

This location belonged to Burnett Oil Co., Inc. (Burnett) at the time of the release. Burnett submitted a C-141, Release Notification and Corrective Action, form dated August 15, 2017, to the NMOCD. The C-141 states the release was due to a failed union on the wellhead.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAB1722833194. The Release Notification and Corrective Action, Site Assessment/Characterization, and Closure portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

On May 18, 2021, Talon LPE (Talon) installed a soil boring at GPS coordinates 32.85697° N latitude and -103.92703° W longitude to approximately one hundred twenty five (125) feet below ground surface. The depth to groundwater soil boring is located approximately 480 feet north of the Site. The soil boring was left open for seventy-two hours and a water level meter was utilized to determine the presence or absence of groundwater. No groundwater was detected, and the boring was plugged and abandoned. No other receptors (karst potential areas, water wells, playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundary or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area of low karst potential with depth to groundwater greater than one hundred (100) feet and meets the closure criteria for depth to groundwater greater than one hundred (100) feet in Table I in NMAC 19.15.29.12. The Site characterization documentation (Points of Diversion, Depth to Groundwater Location Map, Talon Boring Log, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) 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	>100

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MR)	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	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

4. Initial Soil Delineation Assessment Summary and Findings

On October 11th, 2017, Burnett Oil Co., Inc. installed seven (7) sample points, SP-1 through SP-7, within the suspected impacted area. Soil samples were collected at depths ranging from surface to ten (10) feet below ground surface. Select soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, total petroleum hydrocarbons (TPH) by method 8015 modified, and chloride by EPA method 300.0 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico. None of the sample points exhibited concentrations exceeding Table I Closure Criteria for groundwater greater than

one hundred feet. However, three (3) of the seven (7) sample points exhibited TPH and/or chloride concentrations exceeding 19.15.29.13 Restoration, Reclamation and Re- Vegetation (Impacted Area 0-4 Feet) Closure Criteria, SP-2, SP-3, and SP-4. Most of the samples collected by Burnett were not analyzed for BTEX and TPH. Figure 2, Site Assessment: Sample Location Map, depicts the locations of the initial delineation samples. Analytical results are provided on Table 2, Summary of Soil Analytical Data – Delineation Samples, and in the Laboratory Analytical Reports provided in attachment D.

Subsequent to EOG purchasing the location from Burnett, EOG installed seven (7) sample points, SP-1 through SP-7 on July 29, 2020. Samples were collected from depths ranging from surface to five (5) feet below ground surface. All soil samples were analyzed for BTEX by EPA method 8021B, TPH by method 8015 modified, and chloride by EPA method 300.0 by Envirotech Analytical Laboratory (Envortech) in Farmington, New Mexico. One (1) sample point, SP-3 exhibited TPH concentrations above Table I Closure Criteria for groundwater greater than one hundred feet. One other sample point, SP-4, exhibited chloride concentrations exceeding 19.15.29.13 Restoration, Reclamation and Re- Vegetation (Impacted Area 0-4 Feet) Closure Criteria. Figure 2, Site Assessment: Sample Location Map, depicts the locations of the initial delineation samples. Analytical results are provided on Table 2, Summary of Soil Analytical Data – Delineation Samples, and in the Laboratory Analytical Reports provided in attachment D.

5. Excavation, Waste Management and Confirmation Sampling

Due to the initial soil sampling activities exhibiting TPH and chloride concentrations above 19.25.29.12 and/or 19.25.29.13 Closure Criteria, NTGE and Standard Safety and Supply (SS) mobilized to the site on September 1, 2022, to excavate the affected soils. Excavation activities continued through September 2, 2022. The eastern excavation measured approximately 951 square feet and was excavated to a depth of approximately two (2) feet below ground surface. The surface area of the western excavation measured approximately 931 square feet and was excavated to a depth of approximately two and one-half (2.5) feet below ground surface. As shown on Figure 3, four (4) sidewall (SW-1 through SW-4) and ten (10) bottom hole (BH-1 through BH-10) composite confirmation samples were collected. Composite samples represented areas no larger than two hundred (200) square feet. All confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8260B, TPH by Method 8015 modified, and chloride by EPA Method 300.0. Analytical results indicated all bottom hole and sidewall confirmation samples exhibited concentrations below Table I Closure Criteria. Figure 3, Confirmation Sampling Map, depicts the locations of the confirmation samples and analytical results. Analytical results are provided on Table 1, Summary of Soil Analytical Data – Confirmation Samples, Figure 3, and in the Laboratory Analytical Reports provided in attachment D. A photographic log is included in Attachment B.

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 (WM-1-035), Lea Land, LLC facility located at MM 64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 198.43 tons of impacted soil were disposed at Lea Land, LLC, the waste manifest from September 12, 2022, are available upon request and aren't included in this report due to the size of the file. Confirmation Sampling Notifications are provided as Attachment C.

6. nAB1722833194 Closure Request

The excavation was backfilled with non-impacted material on September 16 through 19, 2022. Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation provided in this report, NTGE, on behalf of EOG, respectfully requests closure and no further regulatory actions for nAB1722833194.

If you have any questions or comments concerning this Site Closure Report, please do not hesitate to contact our Midland office at (432) 766-1918.

Sincerely,

NTG Environmental

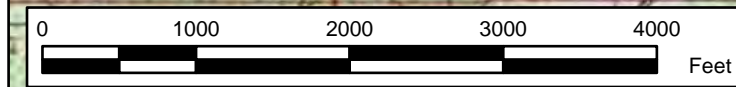
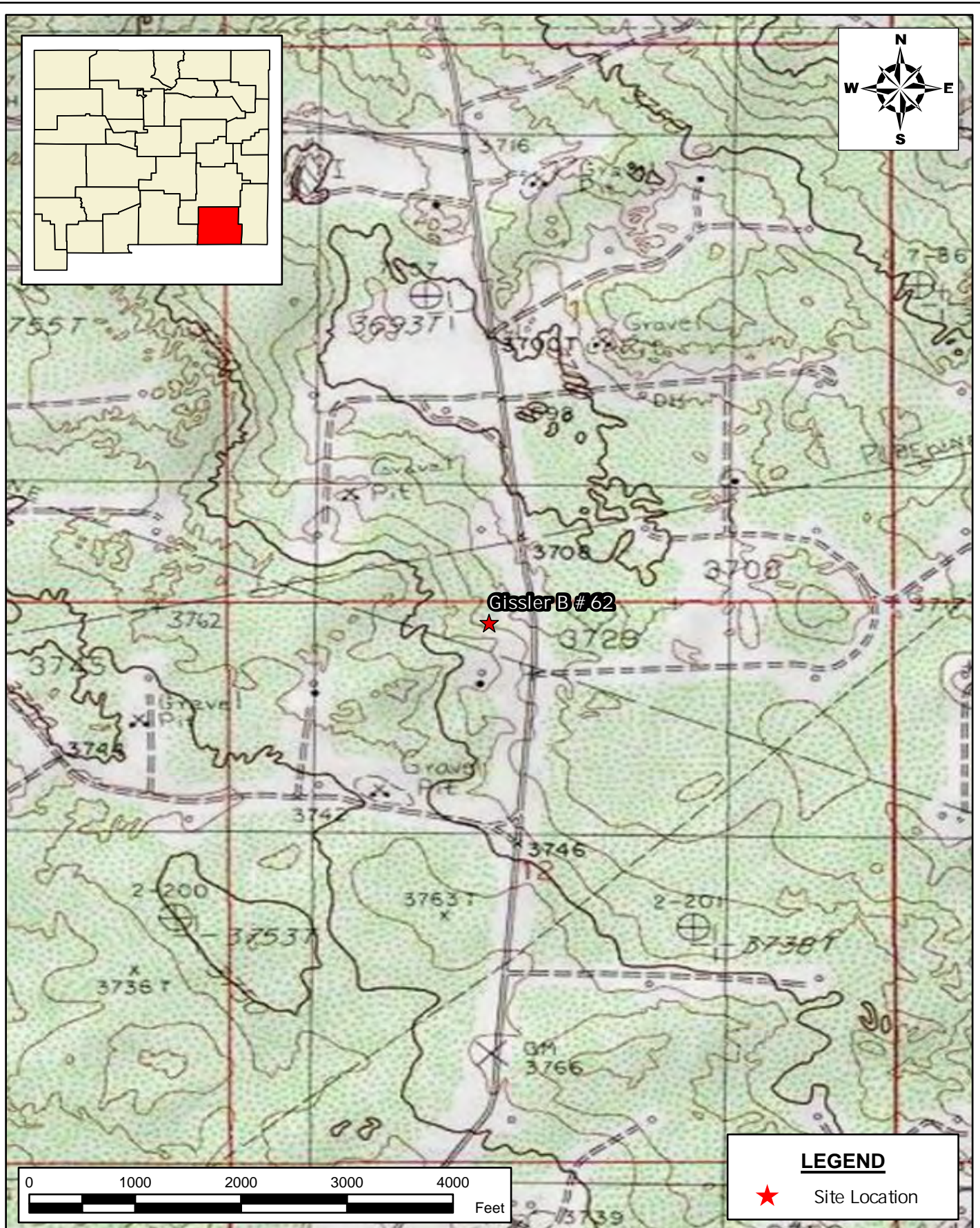


Becky Haskell
Senior Project Manager

Encl. Figure 1 – Site Location Map
 Figure 2 – Site Assessment – Sample Location Map
 Figure 3 – Confirmation Sampling Map
 Table 1 – Summary of Soil Analytical Data – Confirmation Samples
 Table 2 – Summary of Soil Analytical Data – Delineation Samples
 Attachment A – Site Characterization Documentation
 Attachment B – Photographic Log
 Attachment C – Confirmation Sampling Notifications
 Attachment D – Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Chase Settle

FIGURES



LEGEND

★ Site Location

Site Location Map
EOG Resources
 Gissler B #62
 EDDY COUNTY, NEW MEXICO
 32.8556862, -103.927536

SCALE: As Shown Date: 9/22/2022 PROJECT #: 226200

New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntglobal.com



NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

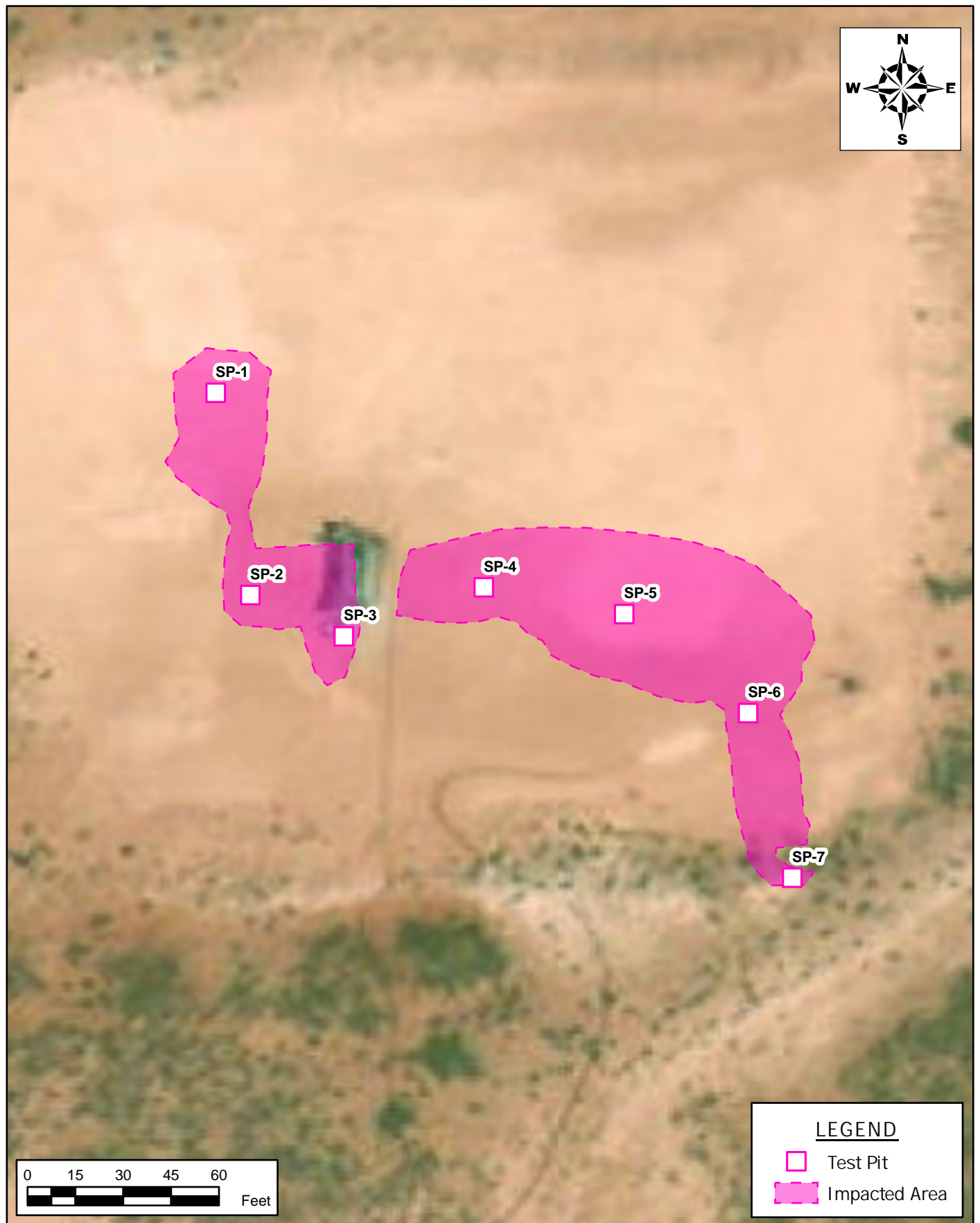
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FIGURE 1

SHEET NUMBER:

1 of 1

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SITE ASSESSMENT - SAMPLE LOCATION MAP
EOG RESOURCES
 GISSLER B #62
 EDDY COUNTY, NEW MEXICO
 32.8556862, -103.927536

SCALE: As Shown

Date: 9/23/2022

PROJECT #: 226200



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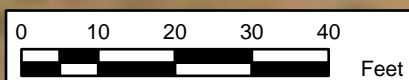
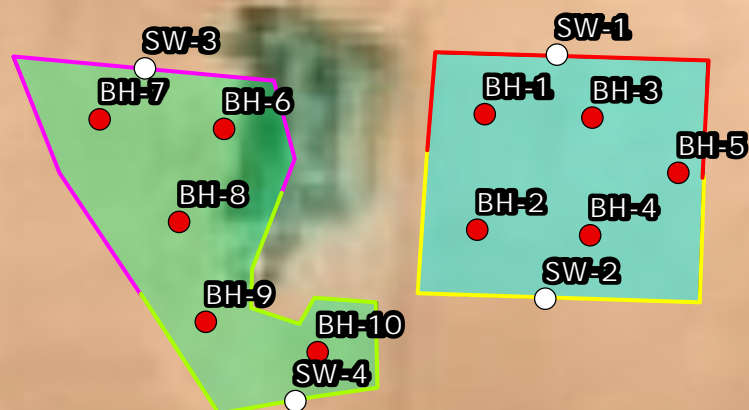
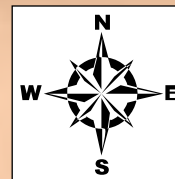
DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1

Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	TPH		Chloride
					GRO + DRO	Total GRO/DRO/MR	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater				
			10 mg/kg	50 mg/kg	1,000 mg/kg	2,500 mg/kg	20,000 mg/kg
Bottom Hole Confirmation Samples							
BH-1	9/2/2022	2.0'	<4.6	<4.6	<4.6	<4.6	460
BH-2	9/2/2022	2.0'	<4.6	<4.6	<4.6	<4.6	110
BH-3	9/2/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6
BH-4	9/2/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6
BH-5	9/2/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6
BH-6	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	87
BH-7	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	130
BH-8	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	200
BH-9	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	260
BH-10	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	290
Sidewall Confirmation Samples							
SW-1	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	290
SW-2	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	330
SW-3	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	<4.6
SW-4	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	61



LEGEND

- Sidewall Points
- Bottom Hole Points
- Indicates Sidewall Composite Sample
- Indicates Sidewall Composite Sample
- Indicates Sidewall Composite Sample
- Indicates Sidewall Composite Sample
- 2 ft Excavation
- 2.5 ft Excavation

CONFIRMATION SAMPLING MAP
EOG RESOURCES
 GISSLER B #62
 EDDY COUNTY, NEW MEXICO
 32.8556862, -103.927536

SCALE: As Shown Date: 9/23/2022 PROJECT #: 226200



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NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N
3. Results in Milligrams Per Kilograms (MG/KG)
4. See Table I for Full Analytical Results/Details
5. Yellow Cells Indicate Exceedance of Limits

DRAWING NUMBER:

FIGURE 3

SHEET NUMBER:

1 of 1

TABLES



Table 1
Summary of Soil Analytical Data - Confirmation Samples
Gissler B #62
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
Bottom Hole Confirmation Samples													
BH-1	9/1/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	460
BH-2	9/1/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	110
BH-3	9/1/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6
BH-4	9/2/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6
BH-5	9/2/2022	2.0'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6
BH-6	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	87
BH-7	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	130
BH-8	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	200
BH-9	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	260
BH-10	9/2/2022	2.5'	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	290
Sidewall Confirmation Samples													
SW-1	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	290
SW-2	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	330
SW-3	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6
SW-4	9/2/2022	Sidewall	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	<4.6	61

Notes:

1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B

 Sample Point Excavated

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 I Closure Criteria for the site.

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

9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data - Delineation Samples
Gissler B #62
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
Burnett Oil Co. Initial Samples													
SP1	10/11/2017	0-1	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<9.7	<49	<49	<30
SP1	10/11/2017	1-2	---	---	---	---	---	---	---	---	---	---	<30
SP1	10/11/2017	2-3	---	---	---	---	---	---	---	---	---	---	<30
SP1	10/11/2017	3-4	---	---	---	---	---	---	---	---	---	---	<30
SP2	10/11/2017	0-1	---	---	---	---	---	---	---	---	---	---	290
SP2	10/11/2017	1-2	---	---	---	---	---	---	---	---	---	---	35
SP2	10/11/2017	2-3	---	---	---	---	---	---	---	---	---	---	<30
SP2	10/11/2017	3-4	---	---	---	---	---	---	---	---	---	---	91
SP2	10/11/2017	4-5	---	---	---	---	---	---	---	---	---	---	120
SP2	10/11/2017	5-6	---	---	---	---	---	---	---	---	---	---	220
SP2	10/11/2017	6-7	---	---	---	---	---	---	---	---	---	---	420
SP2	10/11/2017	7-8	---	---	---	---	---	---	---	---	---	---	1,200
SP2	10/11/2017	8-9	---	---	---	---	---	---	---	---	---	---	1,200
SP3	10/11/2017	0-1	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	640	640	570	1,210	1,500
SP3	10/11/2017	1-2	---	---	---	---	---	---	---	---	---	---	1,500
SP3	10/11/2017	2-3	---	---	---	---	---	---	---	---	---	---	100
SP3	10/11/2017	3-4	---	---	---	---	---	---	---	---	---	---	51
SP3	10/11/2017	4-5	---	---	---	---	---	---	---	---	---	---	51
SP3	10/11/2017	5-6	---	---	---	---	---	---	---	---	---	---	62
SP3	10/11/2017	6-7	---	---	---	---	---	---	---	---	---	---	52
SP3	10/11/2017	7-8	---	---	---	---	---	---	---	---	---	---	71
SP3	10/11/2017	8-9	---	---	---	---	---	---	---	---	---	---	110
SP3	10/11/2017	9-10	---	---	---	---	---	---	---	---	---	---	75
SP4	10/11/2017	0-1	---	---	---	---	---	<4.7	290	290	160	450	1,200
SP4	10/11/2017	1-2	---	---	---	---	---	---	---	---	---	---	2,600
SP4	10/11/2017	2-3	---	---	---	---	---	---	---	---	---	---	1,100
SP4	10/11/2017	3-4	---	---	---	---	---	---	---	---	---	---	2,000
SP4	10/11/2017	4-5	---	---	---	---	---	---	---	---	---	---	2,600
SP4	10/11/2017	5-6	---	---	---	---	---	---	---	---	---	---	2,000
SP5	10/11/2017	0-1	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.2	<9.2	<46	<46	39
SP5	10/11/2017	1-2	---	---	---	---	---	---	---	---	---	---	290
SP5	10/11/2017	2-3	---	---	---	---	---	---	---	---	---	---	33
SP5	10/11/2017	3-4	---	---	---	---	---	---	---	---	---	---	36
SP5	10/11/2017	4-5	---	---	---	---	---	---	---	---	---	---	<30
SP5	10/11/2017	5-6	---	---	---	---	---	---	---	---	---	---	35
SP5	10/11/2017	6-7	---	---	---	---	---	---	---	---	---	---	40
SP5	10/11/2017	7-8	---	---	---	---	---	---	---	---	---	---	40
SP5	10/11/2017	8-9	---	---	---	---	---	---	---	---	---	---	31
SP5	10/11/2017	9-10	---	---	---	---	---	---	---	---	---	---	<30
SP6	10/11/2017	0-1	---	---	---	---	---	---	---	---	---	---	<30

Table 2
Summary of Soil Analytical Data - Delineation Samples
Gissler B #62
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C-10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table 1 Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
SP6	10/11/2017	1-2	---	---	---	---	---	---	---	---	---	---	<30
SP6	10/11/2017	2-3	---	---	---	---	---	---	---	---	---	---	100
SP7	10/11/2017	0-1	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<10	<10	<51	<51	<30
SP7	10/11/2017	1-2	---	---	---	---	---	---	---	---	---	---	<30
SP7	10/11/2017	2-3	---	---	---	---	---	---	---	---	---	---	<30
SP7	10/11/2017	3-4	---	---	---	---	---	---	---	---	---	---	<30
SP7	10/11/2017	4-5	---	---	---	---	---	---	---	---	---	---	<30
EOG Samples													
SP-1	7/29/2020	0-1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-1	7/29/2020	1-2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-1	7/29/2020	2-3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-1	7/29/2020	3-4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-1	7/29/2020	4-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-2	7/29/2020	0-1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	30.4
SP-2	7/29/2020	1-2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	39.2
SP-2	7/29/2020	2-3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	121
SP-2	7/29/2020	3-4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	75.8
SP-2	7/29/2020	4-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	82.6
SP-3	7/29/2020	0-1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-3	7/29/2020	1-2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	1,540	1,760	<50.0	3,300	20.3
SP-3	7/29/2020	2-3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	26.3
SP-3	7/29/2020	3-4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	49.5
SP-3	7/29/2020	4-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	21.2
SP-4	7/29/2020	0-1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,600
SP-4	7/29/2020	1-2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	313
SP-4	7/29/2020	2-3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	276
SP-4	7/29/2020	3-4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	266
SP-4	7/29/2020	4-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1,100
SP-5	7/29/2020	0-1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-5	7/29/2020	1-2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	43.8
SP-5	7/29/2020	2-3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	103
SP-5	7/29/2020	3-4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	104
SP-5	7/29/2020	4-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	77.8
SP-6	7/29/2020	0-1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	229
SP-6	7/29/2020	1-2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	91.7
SP-6	7/29/2020	2-3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	85.5
SP-6	7/29/2020	3-4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	32.7
SP-6	7/29/2020	4-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	139
SP-7	7/29/2020	0-1	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	32.0	32.0	<50.0	32.0	<20.0
SP-7	7/29/2020	1-2	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0

Table 2
Summary of Soil Analytical Data - Delineation Samples
Gissler B #62
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	20,000 mg/kg
SP-7	7/29/2020	2-3	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	46.7	46.7	<50.0	46.7	<20.0
SP-7	7/29/2020	3-4	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0
SP-7	7/29/2020	4-5	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0

Notes:

1. Values reported in mg/kg
2. < = 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 I Closure Criteria for the site.

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

9. --- Not Analyzed

~~SP-1~~ Sample Point Excavated

ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION



OSE POD Locations Map

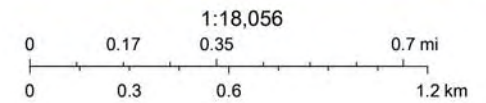


9/16/2022, 1:24:17 PM

GIS WATERS PODs OSE District Boundary Site Boundaries

● Active New Mexico State Trust Lands

● Pending Both Estates



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

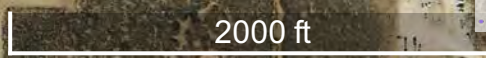
Web Generated Map
Map is generated by web users.

Gissler B #62

Depth to Water Boring Location Map

Legend

- 0.5 Mile Radius
- Gissler B #62
- Jackson B #59 DTW Boring





BORING LOG

Project No.: 700438.238.01

Weather: Clear, Temp.: 75°F

Driller: D. Londagin

Site Name: Jackson B #59

Logger: D. Adkins

Rig Type: Reich Drill

Location: Eddy County, New Mexico

Field Instrument: NA

Bit Size: 5-7/8"

Date: 5/18/2021

Latitude: 32.85697 N

Drilling Method: Air Rotary

Boring Number: B-1

Longitude: -103.92703 W

Sample Retrieval Method: Drill Cuttings

Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density	Hydrocarbon Odor	PID (ppm)
	<input type="checkbox"/>	0-30'				Red/brown fine Sand (SP)	<u>None</u> Slight Mod. Strong	
	<input type="checkbox"/>	30-40'				Red/brown fine Sand (SP) with varying amounts of silt and caliche	<u>None</u> Slight Mod. Strong	
	<input type="checkbox"/>	40-80'				Dry, dark red/brown sandy Silts (SM)	<u>None</u> Slight Mod. Strong	
	<input type="checkbox"/>	80-125'				Red/brown fine Sand (SP)	<u>None</u> Slight Mod. Strong	
	<input type="checkbox"/>					__ TD 125' __	None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	
	<input type="checkbox"/>						None Slight Mod. Strong	

Surface Elevation: _____

Notes: Groundwater Not Encountered @ 125' BGS – 72 hr.

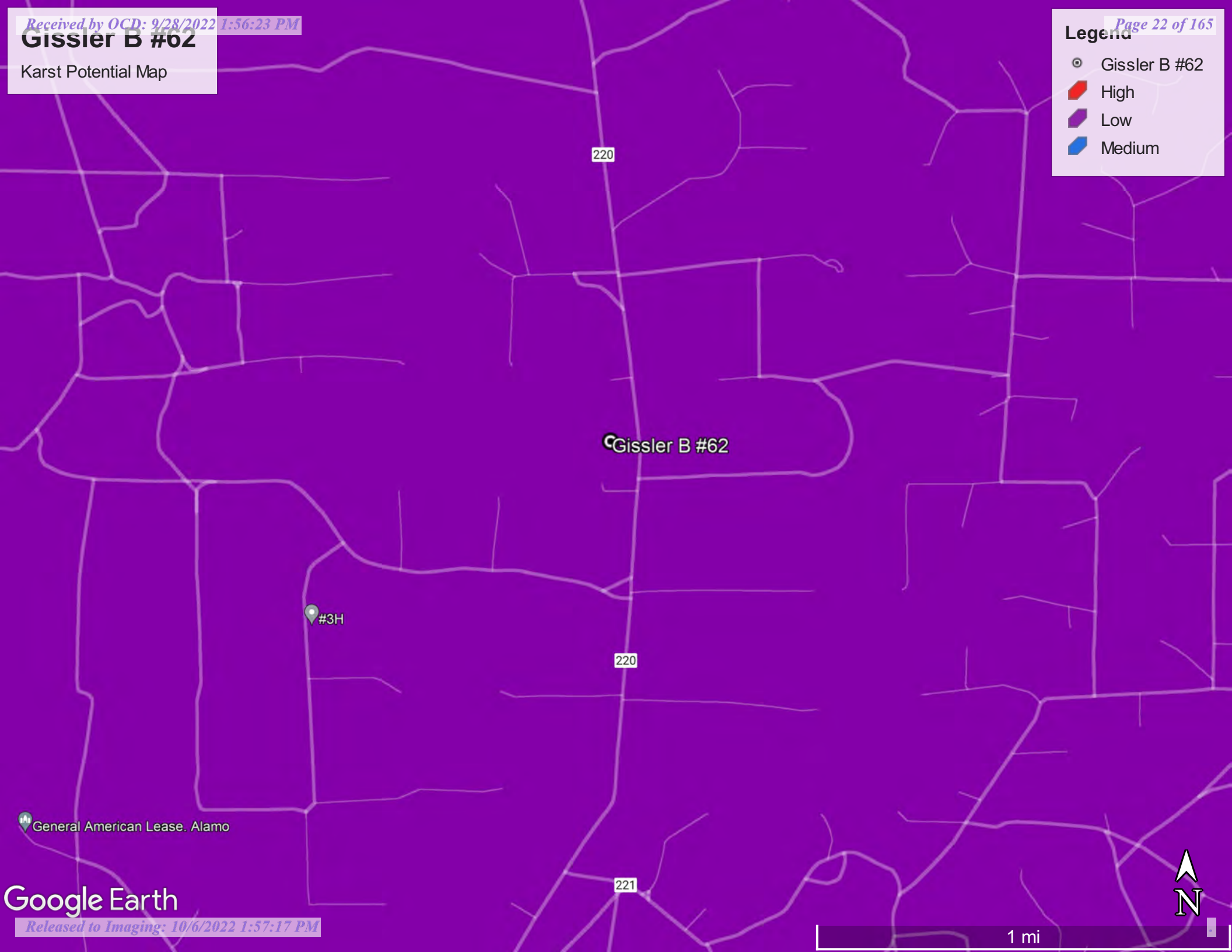
Logger Initials: DJA

Gissler B #62

Karst Potential Map

Legend

-  Gissler B #62
-  High
-  Low
-  Medium



General American Lease. Alamo

Google Earth



1 mi

Gissler B #62

Significant Watercourse Map

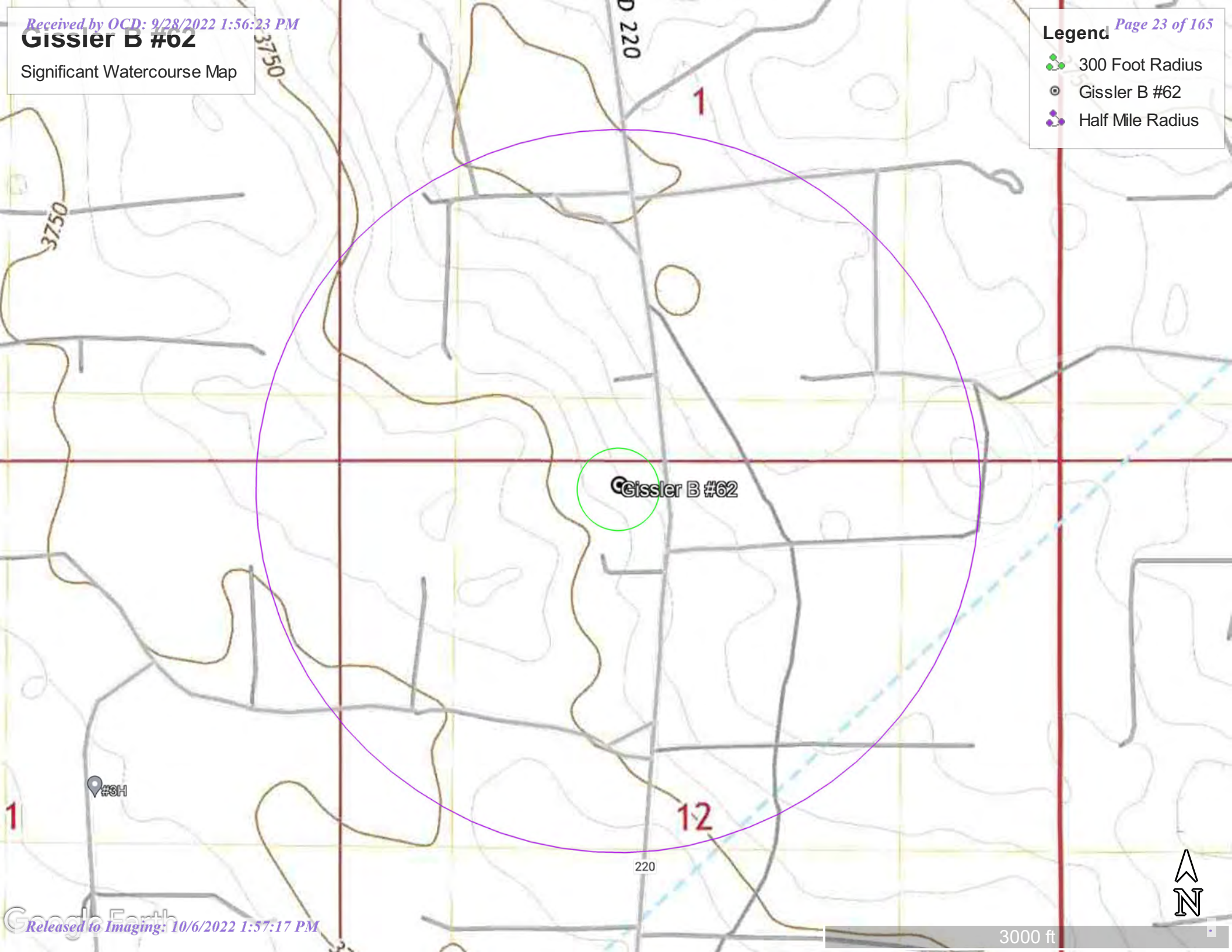
Legend

Page 23 of 165

 300 Foot Radius

 Gissler B #62

 Half Mile Radius



3000 ft



September 16, 2022

Wetlands

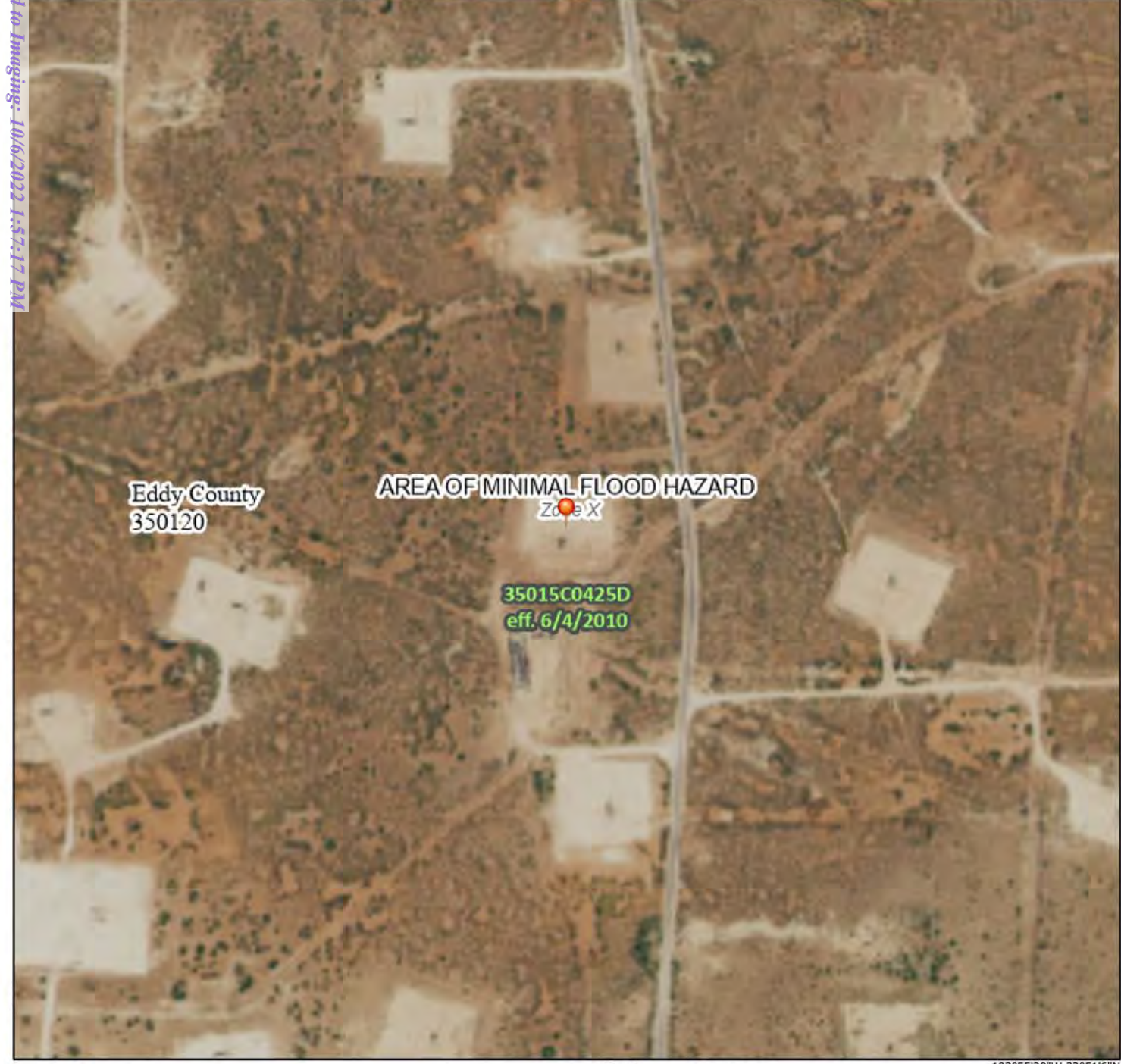
- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | 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°55'57"W 32°51'36"N



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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, AP
		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 X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect 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 9/16/2022 at 2:26 PM 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.

Released to Imaging: 10/6/2022 1:57:17 PM

Received by OCD: 9/16/2022 1:56:23 PM

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ATTACHMENT B: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

EOG Gissler B #62

Photograph No. 1

Facility: Gissler B #62

County: Eddy

Date: 09/02/2022

Description:

View of West Excavation.



Photograph No. 2

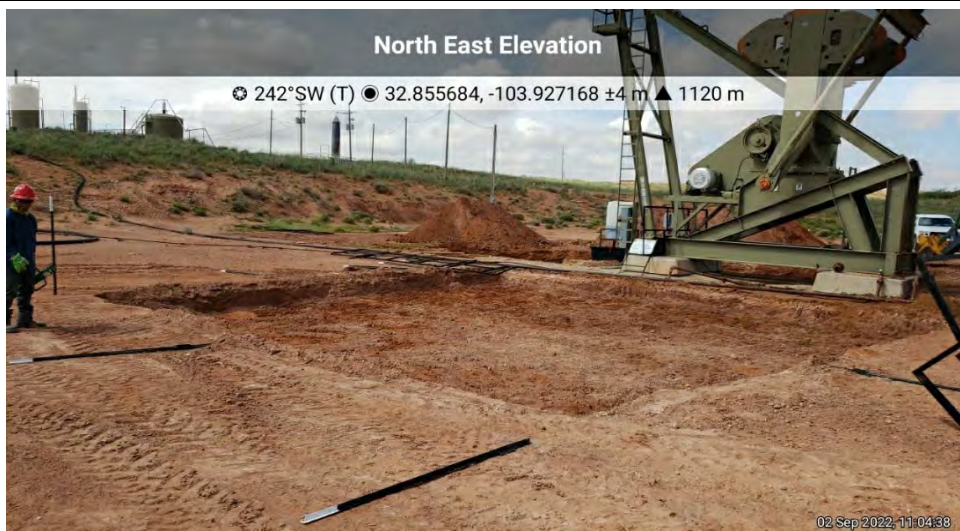
Facility: Gissler B #62

County: Eddy

Date: 09/02/2022

Description:

View of East Excavation.



ATTACHMENT C: CONFIRMATION SAMPLING NOTIFICATIONS



Becky Haskell

From: Amber Griffin <Amber_Griffin@eogresources.com>
Sent: Tuesday, August 30, 2022 8:30 AM
To: Becky Haskell
Subject: FW: Gissler B 62 (nAB17228331940) Sampling Notification

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Also, the C-138 expires 9/27/2022 for this location.

Thank you,
Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Sunday, August 28, 2022 7:47 AM
To: blm_nm_cfo_spill@blm.gov; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Gissler B 62 (nAB17228331940) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Gissler B 62
C-12-17S-30E
Eddy County, NM
nAB1722833194

Sampling will begin at 12:00 p.m. on Thursday, September 1 and continue through Friday, September 2, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



ATTACHMENT D: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION





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

September 15, 2022

Becky Haskell
NTG Environmental
701 Tradewinds Blvd.
Suite c
Midland, TX 79706
TEL: (432) 766-1918
FAX:

RE: Gissler B 62

OrderNo.: 2209141

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 14 sample(s) on 9/3/2022 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #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 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-1

Project: Gissler B 62

Collection Date: 9/1/2022 2:00:00 PM

Lab ID: 2209141-001

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 5:44:34 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 5:44:34 PM
Surr: DNOP	97.8	21-129		%Rec	1	9/9/2022 5:44:34 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	460	60		mg/Kg	20	9/12/2022 5:44:28 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/8/2022 5:21:11 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 5:21:11 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 5:21:11 PM
Xylenes, Total	ND	0.099		mg/Kg	1	9/8/2022 5:21:11 PM
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	9/8/2022 5:21:11 PM
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	9/8/2022 5:21:11 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	9/8/2022 5:21:11 PM
Surr: Toluene-d8	108	70-130		%Rec	1	9/8/2022 5:21:11 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 5:21:11 PM
Surr: BFB	92.9	70-130		%Rec	1	9/8/2022 5:21:11 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-2

Project: Gissler B 62

Collection Date: 9/1/2022 2:10:00 PM

Lab ID: 2209141-002

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 6:00:22 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/9/2022 6:00:22 PM
Surr: DNOP	154	21-129	S	%Rec	1	9/9/2022 6:00:22 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	110	60		mg/Kg	20	9/12/2022 6:46:29 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/8/2022 5:48:21 PM
Toluene	ND	0.048		mg/Kg	1	9/8/2022 5:48:21 PM
Ethylbenzene	ND	0.048		mg/Kg	1	9/8/2022 5:48:21 PM
Xylenes, Total	ND	0.096		mg/Kg	1	9/8/2022 5:48:21 PM
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	9/8/2022 5:48:21 PM
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	9/8/2022 5:48:21 PM
Surr: Dibromofluoromethane	103	70-130		%Rec	1	9/8/2022 5:48:21 PM
Surr: Toluene-d8	105	70-130		%Rec	1	9/8/2022 5:48:21 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/8/2022 5:48:21 PM
Surr: BFB	91.1	70-130		%Rec	1	9/8/2022 5:48:21 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-3

Project: Gissler B 62

Collection Date: 9/1/2022 10:00:00 AM

Lab ID: 2209141-003

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	9/9/2022 6:10:55 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	9/9/2022 6:10:55 PM
Surr: DNOP	92.8	21-129		%Rec	1	9/9/2022 6:10:55 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/12/2022 7:23:44 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/8/2022 6:15:28 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 6:15:28 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 6:15:28 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/8/2022 6:15:28 PM
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	9/8/2022 6:15:28 PM
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	9/8/2022 6:15:28 PM
Surr: Dibromofluoromethane	108	70-130		%Rec	1	9/8/2022 6:15:28 PM
Surr: Toluene-d8	105	70-130		%Rec	1	9/8/2022 6:15:28 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 6:15:28 PM
Surr: BFB	92.2	70-130		%Rec	1	9/8/2022 6:15:28 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-4

Project: Gissler B 62

Collection Date: 9/2/2022 10:10:00 AM

Lab ID: 2209141-004

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 6:21:31 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2022 6:21:31 PM
Surr: DNOP	117	21-129		%Rec	1	9/9/2022 6:21:31 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/12/2022 7:36:09 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/8/2022 6:42:36 PM
Toluene	ND	0.050		mg/Kg	1	9/8/2022 6:42:36 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2022 6:42:36 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/8/2022 6:42:36 PM
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	1	9/8/2022 6:42:36 PM
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	9/8/2022 6:42:36 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	9/8/2022 6:42:36 PM
Surr: Toluene-d8	106	70-130		%Rec	1	9/8/2022 6:42:36 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/8/2022 6:42:36 PM
Surr: BFB	92.5	70-130		%Rec	1	9/8/2022 6:42:36 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-5

Project: Gissler B 62

Collection Date: 9/2/2022 10:20:00 AM

Lab ID: 2209141-005

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	9/9/2022 6:32:08 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	9/9/2022 6:32:08 PM
Surr: DNOP	145	21-129	S	%Rec	1	9/9/2022 6:32:08 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/12/2022 7:48:33 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/8/2022 7:09:41 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 7:09:41 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 7:09:41 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/8/2022 7:09:41 PM
Surr: 1,2-Dichloroethane-d4	97.4	70-130		%Rec	1	9/8/2022 7:09:41 PM
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	9/8/2022 7:09:41 PM
Surr: Dibromofluoromethane	99.4	70-130		%Rec	1	9/8/2022 7:09:41 PM
Surr: Toluene-d8	108	70-130		%Rec	1	9/8/2022 7:09:41 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 7:09:41 PM
Surr: BFB	93.6	70-130		%Rec	1	9/8/2022 7:09:41 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-6

Project: Gissler B 62

Collection Date: 9/2/2022 10:40:00 AM

Lab ID: 2209141-006

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 6:53:33 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 6:53:33 PM
Surr: DNOP	100	21-129		%Rec	1	9/9/2022 6:53:33 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	87	60		mg/Kg	20	9/12/2022 8:00:57 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/8/2022 7:36:47 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 7:36:47 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 7:36:47 PM
Xylenes, Total	ND	0.098		mg/Kg	1	9/8/2022 7:36:47 PM
Surr: 1,2-Dichloroethane-d4	98.7	70-130		%Rec	1	9/8/2022 7:36:47 PM
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	9/8/2022 7:36:47 PM
Surr: Dibromofluoromethane	100	70-130		%Rec	1	9/8/2022 7:36:47 PM
Surr: Toluene-d8	107	70-130		%Rec	1	9/8/2022 7:36:47 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 7:36:47 PM
Surr: BFB	95.4	70-130		%Rec	1	9/8/2022 7:36:47 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-7

Project: Gissler B 62

Collection Date: 9/2/2022 10:50:00 AM

Lab ID: 2209141-007

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 7:04:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2022 7:04:22 PM
Surr: DNOP	106	21-129		%Rec	1	9/9/2022 7:04:22 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	130	60		mg/Kg	20	9/12/2022 8:13:22 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/8/2022 8:03:51 PM
Toluene	ND	0.050		mg/Kg	1	9/8/2022 8:03:51 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2022 8:03:51 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/8/2022 8:03:51 PM
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	9/8/2022 8:03:51 PM
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	9/8/2022 8:03:51 PM
Surr: Dibromofluoromethane	106	70-130		%Rec	1	9/8/2022 8:03:51 PM
Surr: Toluene-d8	111	70-130		%Rec	1	9/8/2022 8:03:51 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/8/2022 8:03:51 PM
Surr: BFB	93.2	70-130		%Rec	1	9/8/2022 8:03:51 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-8

Project: Gissler B 62

Collection Date: 9/2/2022 11:00:00 AM

Lab ID: 2209141-008

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 7:15:14 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 7:15:14 PM
Surr: DNOP	95.1	21-129		%Rec	1	9/9/2022 7:15:14 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	200	60		mg/Kg	20	9/12/2022 8:50:35 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/8/2022 8:30:53 PM
Toluene	ND	0.050		mg/Kg	1	9/8/2022 8:30:53 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2022 8:30:53 PM
Xylenes, Total	ND	0.099		mg/Kg	1	9/8/2022 8:30:53 PM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	9/8/2022 8:30:53 PM
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	9/8/2022 8:30:53 PM
Surr: Dibromofluoromethane	102	70-130		%Rec	1	9/8/2022 8:30:53 PM
Surr: Toluene-d8	107	70-130		%Rec	1	9/8/2022 8:30:53 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/8/2022 8:30:53 PM
Surr: BFB	92.3	70-130		%Rec	1	9/8/2022 8:30:53 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-9

Project: Gissler B 62

Collection Date: 9/2/2022 11:10:00 AM

Lab ID: 2209141-009

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 7:26:11 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 7:26:11 PM
Surr: DNOP	111	21-129		%Rec	1	9/9/2022 7:26:11 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	260	60		mg/Kg	20	9/12/2022 9:02:59 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/8/2022 8:57:58 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 8:57:58 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 8:57:58 PM
Xylenes, Total	ND	0.099		mg/Kg	1	9/8/2022 8:57:58 PM
Surr: 1,2-Dichloroethane-d4	99.3	70-130		%Rec	1	9/8/2022 8:57:58 PM
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	9/8/2022 8:57:58 PM
Surr: Dibromofluoromethane	101	70-130		%Rec	1	9/8/2022 8:57:58 PM
Surr: Toluene-d8	107	70-130		%Rec	1	9/8/2022 8:57:58 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 8:57:58 PM
Surr: BFB	96.5	70-130		%Rec	1	9/8/2022 8:57:58 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: BH-10

Project: Gissler B 62

Collection Date: 9/2/2022 11:20:00 AM

Lab ID: 2209141-010

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 7:37:08 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2022 7:37:08 PM
Surr: DNOP	89.2	21-129		%Rec	1	9/9/2022 7:37:08 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	290	60		mg/Kg	20	9/12/2022 9:15:24 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/8/2022 9:25:00 PM
Toluene	ND	0.049		mg/Kg	1	9/8/2022 9:25:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	9/8/2022 9:25:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	9/8/2022 9:25:00 PM
Surr: 1,2-Dichloroethane-d4	97.4	70-130		%Rec	1	9/8/2022 9:25:00 PM
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	9/8/2022 9:25:00 PM
Surr: Dibromofluoromethane	105	70-130		%Rec	1	9/8/2022 9:25:00 PM
Surr: Toluene-d8	112	70-130		%Rec	1	9/8/2022 9:25:00 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/8/2022 9:25:00 PM
Surr: BFB	102	70-130		%Rec	1	9/8/2022 9:25:00 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: SW-1

Project: Gissler B 62

Collection Date: 9/2/2022 2:20:00 PM

Lab ID: 2209141-011

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 7:48:09 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2022 7:48:09 PM
Surr: DNOP	85.0	21-129		%Rec	1	9/9/2022 7:48:09 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	290	59		mg/Kg	20	9/12/2022 9:27:48 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/8/2022 9:51:59 PM
Toluene	ND	0.050		mg/Kg	1	9/8/2022 9:51:59 PM
Ethylbenzene	ND	0.050		mg/Kg	1	9/8/2022 9:51:59 PM
Xylenes, Total	ND	0.10		mg/Kg	1	9/8/2022 9:51:59 PM
Surr: 1,2-Dichloroethane-d4	94.1	70-130		%Rec	1	9/8/2022 9:51:59 PM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	9/8/2022 9:51:59 PM
Surr: Dibromofluoromethane	100	70-130		%Rec	1	9/8/2022 9:51:59 PM
Surr: Toluene-d8	110	70-130		%Rec	1	9/8/2022 9:51:59 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/8/2022 9:51:59 PM
Surr: BFB	102	70-130		%Rec	1	9/8/2022 9:51:59 PM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: SW-2

Project: Gissler B 62

Collection Date: 9/2/2022 2:30:00 PM

Lab ID: 2209141-012

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 7:59:21 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/9/2022 7:59:21 PM
Surr: DNOP	106	21-129		%Rec	1	9/9/2022 7:59:21 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	330	60		mg/Kg	20	9/12/2022 9:40:13 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/9/2022 1:00:23 AM
Toluene	ND	0.049		mg/Kg	1	9/9/2022 1:00:23 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2022 1:00:23 AM
Xylenes, Total	ND	0.098		mg/Kg	1	9/9/2022 1:00:23 AM
Surr: 1,2-Dichloroethane-d4	98.8	70-130		%Rec	1	9/9/2022 1:00:23 AM
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	9/9/2022 1:00:23 AM
Surr: Dibromofluoromethane	97.9	70-130		%Rec	1	9/9/2022 1:00:23 AM
Surr: Toluene-d8	103	70-130		%Rec	1	9/9/2022 1:00:23 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2022 1:00:23 AM
Surr: BFB	101	70-130		%Rec	1	9/9/2022 1:00:23 AM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: SW-3

Project: Gissler B 62

Collection Date: 9/2/2022 11:40:00 AM

Lab ID: 2209141-013

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 8:10:28 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 8:10:28 PM
Surr: DNOP	105	21-129		%Rec	1	9/9/2022 8:10:28 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/12/2022 9:52:37 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/9/2022 1:27:16 AM
Toluene	ND	0.050		mg/Kg	1	9/9/2022 1:27:16 AM
Ethylbenzene	ND	0.050		mg/Kg	1	9/9/2022 1:27:16 AM
Xylenes, Total	ND	0.10		mg/Kg	1	9/9/2022 1:27:16 AM
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	9/9/2022 1:27:16 AM
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	9/9/2022 1:27:16 AM
Surr: Dibromofluoromethane	98.9	70-130		%Rec	1	9/9/2022 1:27:16 AM
Surr: Toluene-d8	101	70-130		%Rec	1	9/9/2022 1:27:16 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2022 1:27:16 AM
Surr: BFB	96.5	70-130		%Rec	1	9/9/2022 1:27:16 AM

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	Estimated value
	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 interference		

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Analytical Report

Lab Order 2209141

Date Reported: 9/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: NTG Environmental

Client Sample ID: SW-4

Project: Gissler B 62

Collection Date: 9/2/2022 11:50:00 AM

Lab ID: 2209141-014

Matrix: SOIL

Received Date: 9/3/2022 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/9/2022 8:21:36 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2022 8:21:36 PM
Surr: DNOP	106	21-129		%Rec	1	9/9/2022 8:21:36 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	61	60		mg/Kg	20	9/12/2022 10:05:01 PM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/9/2022 1:54:07 AM
Toluene	ND	0.049		mg/Kg	1	9/9/2022 1:54:07 AM
Ethylbenzene	ND	0.049		mg/Kg	1	9/9/2022 1:54:07 AM
Xylenes, Total	ND	0.098		mg/Kg	1	9/9/2022 1:54:07 AM
Surr: 1,2-Dichloroethane-d4	95.5	70-130		%Rec	1	9/9/2022 1:54:07 AM
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	9/9/2022 1:54:07 AM
Surr: Dibromofluoromethane	99.2	70-130		%Rec	1	9/9/2022 1:54:07 AM
Surr: Toluene-d8	102	70-130		%Rec	1	9/9/2022 1:54:07 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2022 1:54:07 AM
Surr: BFB	96.2	70-130		%Rec	1	9/9/2022 1:54:07 AM

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	Estimated value
	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 interference		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209141

15-Sep-22

Client: NTG Environmental

Project: Gissler B 62

Sample ID: MB-70117	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70117	RunNo: 90969								
Prep Date: 9/12/2022	Analysis Date: 9/12/2022	SeqNo: 3253349	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70117	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70117	RunNo: 90969								
Prep Date: 9/12/2022	Analysis Date: 9/12/2022	SeqNo: 3253350	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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 interference		

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

WO#: 2209141

15-Sep-22

Client: NTG Environmental**Project:** Gissler B 62

Sample ID: LCS-69992	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69992		RunNo: 90851							
Prep Date: 9/6/2022	Analysis Date: 9/8/2022		SeqNo: 3248817		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		83.0	21	129			

Sample ID: MB-69992	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69992		RunNo: 90851							
Prep Date: 9/6/2022	Analysis Date: 9/8/2022		SeqNo: 3248818		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		131	21	129			S

Sample ID: LCS-70011	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70011		RunNo: 90851							
Prep Date: 9/7/2022	Analysis Date: 9/9/2022		SeqNo: 3250669		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	15	50.00	0	80.8	64.4	127			
Surr: DNOP	4.3		5.000		86.6	21	129			

Sample ID: MB-70011	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 70011		RunNo: 90851							
Prep Date: 9/7/2022	Analysis Date: 9/9/2022		SeqNo: 3250677		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.6	21	129			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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 interference		

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

WO#: 2209141

15-Sep-22

Client: NTG Environmental**Project:** Gissler B 62

Sample ID: ics-69995	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 69995	RunNo: 90906								
Prep Date: 9/6/2022	Analysis Date: 9/8/2022	SeqNo: 3249928	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.4	80	120			
Toluene	1.1	0.050	1.000	0	114	80	120			
Ethylbenzene	1.1	0.050	1.000	0	115	80	120			
Xylenes, Total	3.4	0.10	3.000	0	115	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.5	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.0	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		100	70	130			
Surr: Toluene-d8	0.54		0.5000		108	70	130			

Sample ID: mb-69995	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 69995	RunNo: 90906								
Prep Date: 9/6/2022	Analysis Date: 9/8/2022	SeqNo: 3249929	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.3	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.7	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
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 interference		

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

WO#: 2209141

15-Sep-22

Client: NTG Environmental**Project:** Gissler B 62

Sample ID: ics-69995	SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: LCSS	Batch ID: 69995			RunNo: 90906						
Prep Date: 9/6/2022	Analysis Date: 9/8/2022			SeqNo: 3249900		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	520		500.0		103	70	130			

Sample ID: mb-69995	SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: PBS	Batch ID: 69995			RunNo: 90906						
Prep Date: 9/6/2022	Analysis Date: 9/8/2022			SeqNo: 3249901		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	510		500.0		101	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 interference

B Analyte detected in the associated Method Blank
E Estimated value
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: www.hallenvironmental.com

Sample Log-In Check List

Client Name: NTG Environmental

Work Order Number: 2209141

RcptNo: 1

Received By: Tracy Casarrubias 9/3/2022 9:00:00 AM

Completed By: Tracy Casarrubias 9/3/2022 9:40:19 AM

Reviewed By:

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°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: 9/3/22 TMC

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	1.3	Good	Yes			
2	2.3	Good	Yes			
3	5.3	Good	Yes			
4	5.9	Good	Yes			

Chain-of-Custody Record

Client: NTG Environmental - Bill Direct to EOG

Mailing Address: 701 Tradewinds Blvd. Suite C

Midland, TX 79706

Phone #: 432-766-1918

email or Fax#: bhaskell@ntglobal.com

QA/QC Package: Chase Settle@eoqresources.com

Standard Amber.griffin@eoqresources.com

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

X Standard

☒ Rush 5-10 days

Project Name:

Gissler B #62

Project #:

226200

Project Manager:

Becky Haskell

Sampler: Jeremy Reich / Rick Penn

On Ice: ☒ Yes ☐ No

of Coolers: 4

Cooler Temp (including CP): See Cooler

Container Type and #

Preservative Type

HEAL No.

Jar 1/1

N/A

None

001

4oz/1

None

002

4oz/1

None

003

4oz/1

None

004

4oz/1

None

005

4oz/1

None

006

4oz/1

None

007

4oz/1

None

008

4oz/1

None

009

4oz/1

None

010

4oz/1

None

011

4oz/1

None

012



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX: 8021B

TPH: 8015D (GRO / DRO / MRO)

Chloride EPA Method 300.0

Remarks: Direct Bill to EOG, Attn: Chase Settle

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9/1	14:06	S	BH-1	Jar 1/1	N/A	001
9/1	14:10	S	BH-2	4oz/1	None	002
9/1	10:00	S	BH-3	4oz/1	None	003
9/2	10:10	S	BH-4	4oz/1	None	004
9/2	10:20	S	BH-5	4oz/1	None	005
9/2	10:40	S	BH-6	4oz/1	None	006
9/2	10:50	S	BH-7	4oz/1	None	007
9/2	11:00	S	BH-8	4oz/1	None	008
9/2	11:10	S	BH-9	4oz/1	None	009
9/2	11:20	S	BH-10	4oz/1	None	010
9/2	14:20	S	SW-1	4oz/1	None	011
9/2	14:30	S	SW-2	4oz/1	None	012

Date: 9/2/22 Time: 12:18

Relinquished by: [Signature]

Received by: [Signature]

Via: [Signature]

Date: 9/2/22 Time: 12:18

Received by: [Signature] Date: 9/3/22 Time: 9:00

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

Chain-of-Custody Record

Turn-Around Time:

Client:

NTG - Environmental

Bill direct to EOC

Mailing Address: 701 Tradeview Blvd Suite C

Middland, TX 79706

Phone #: 432-766-1918

email or Fax#: bhaskar@ntglobal.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)☒ Standard ☒ Rush 5 Day

Project Name:

Grissler B #62

Project #:

226200

Project Manager:

Becky Haskell

Sampler: Jeremy Reich / Rick Pena

On Ice: ☒ Yes ☐ No

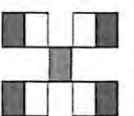
of Coolers: 4

Cooler Temp (including CF): See Chiller Log

Container Type and # Preservative Type HEAL No. 2209141

402/1 none 013

402/1 none 013


**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

 BTEX / MTBE / TMB's (8021)
 TPH:8015D(GRO / DRO / MRO)
 8081 Pesticides/8082 PCB's
 EDB (Method 504.1)
 PAHs by 8310 or 8270SIMS
 RCRA 8 Metals
 Cl, F, Br, NO₃, NO₂, PO₄, SO₄
 8260 (VOA)
 8270 (Semi-VOA)
 Total Coliform (Present/Absent)

Remarks:

CI by method 300

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



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

October 30, 2017

Johnny Titsworth
Burnett Oil Co Inc
PO Box 188
Loco Hills, NM 88255
TEL: (432) 425-2891
FAX

RE: Gissler B62

OrderNo.: 1710730

Dear Johnny Titsworth:

Hall Environmental Analysis Laboratory received 47 sample(s) on 10/12/2017 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 0-1

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-001

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/17/2017 12:25:00 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/17/2017 12:25:00 PM
Surr: DNOP	101	70-130		%Rec	1	10/17/2017 12:25:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/16/2017 9:37:59 PM
Surr: BFB	88.9	54-150		%Rec	1	10/16/2017 9:37:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	10/16/2017 9:37:59 PM
Benzene	ND	0.024		mg/Kg	1	10/16/2017 9:37:59 PM
Toluene	ND	0.047		mg/Kg	1	10/16/2017 9:37:59 PM
Ethylbenzene	ND	0.047		mg/Kg	1	10/16/2017 9:37:59 PM
Xylenes, Total	ND	0.094		mg/Kg	1	10/16/2017 9:37:59 PM
Surr: 4-Bromofluorobenzene	95.0	66.6-132		%Rec	1	10/16/2017 9:37:59 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/17/2017 12:10:32 AM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 1-2

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-002

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/17/2017 12:22:57 AM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 2-3

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-003

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/17/2017 12:05:26 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP1 3-4

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-004

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/17/2017 12:17:50 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 0-1

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-005

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	290	30		mg/Kg	20	10/17/2017 12:30:15 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 1-2

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-006

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	35	30		mg/Kg	20	10/17/2017 12:42:40 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Burnett Oil Co Inc**Client Sample ID:** SP2 2-3**Project:** Gissler B62**Collection Date:** 10/11/2017**Lab ID:** 1710730-007**Matrix:** SOIL**Received Date:** 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/17/2017 12:55:04 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 3-4

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-008

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	91	30		mg/Kg	20	10/17/2017 1:07:29 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 4-5

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-009

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	120	30		mg/Kg	20	10/17/2017 1:19:53 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 5-6

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-010

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	220	30		mg/Kg	20	10/17/2017 1:32:18 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 6-7

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-011

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	420	30		mg/Kg	20	10/17/2017 2:34:22 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 7-8

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-012

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1200	75		mg/Kg	50	10/18/2017 5:37:15 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP2 8-9

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-013

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1200	75		mg/Kg	50	10/18/2017 5:49:39 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 0-1

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-014

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	640	9.0		mg/Kg	1	10/17/2017 3:22:16 PM
Motor Oil Range Organics (MRO)	570	45		mg/Kg	1	10/17/2017 3:22:16 PM
Surr: DNOP	130	70-130		%Rec	1	10/17/2017 3:22:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/16/2017 10:01:29 PM
Surr: BFB	85.7	54-150		%Rec	1	10/16/2017 10:01:29 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	10/16/2017 10:01:29 PM
Benzene	ND	0.024		mg/Kg	1	10/16/2017 10:01:29 PM
Toluene	ND	0.047		mg/Kg	1	10/16/2017 10:01:29 PM
Ethylbenzene	ND	0.047		mg/Kg	1	10/16/2017 10:01:29 PM
Xylenes, Total	ND	0.095		mg/Kg	1	10/16/2017 10:01:29 PM
Surr: 4-Bromofluorobenzene	88.7	66.6-132		%Rec	1	10/16/2017 10:01:29 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1500	75		mg/Kg	50	10/18/2017 6:02:04 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 1-2

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-015

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1500	75		mg/Kg	50	10/18/2017 6:14:28 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 2-3

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-016

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	100	30		mg/Kg	20	10/17/2017 3:36:25 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 3-4

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-017

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	51	30		mg/Kg	20	10/17/2017 3:48:50 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 4-5

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-018

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	51	30		mg/Kg	20	10/17/2017 4:01:15 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 5-6

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-019

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	62	30		mg/Kg	20	10/17/2017 4:38:28 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 6-7

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-020

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CJS
Chloride	52	30		mg/Kg	20	10/17/2017 1:58:09 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 7-8

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-021

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CJS
Chloride	71	30		mg/Kg	20	10/17/2017 2:35:22 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 8-9

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-022

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CJS
Chloride	110	30		mg/Kg	20	10/17/2017 2:47:46 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP3 9-10

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-023

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CJS
Chloride	75	30		mg/Kg	20	10/17/2017 3:00:11 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 0-1

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-024

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	290	9.2		mg/Kg	1	10/17/2017 4:06:23 PM
Motor Oil Range Organics (MRO)	160	46		mg/Kg	1	10/17/2017 4:06:23 PM
Surr: DNOP	118	70-130		%Rec	1	10/17/2017 4:06:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/16/2017 10:24:55 PM
Surr: BFB	109	54-150		%Rec	1	10/16/2017 10:24:55 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	1200	75		mg/Kg	50	10/18/2017 6:51:41 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 1-2

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-025

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2600	150		mg/Kg	100	10/18/2017 7:04:07 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 2-3

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-026

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: CJS
Chloride	1100	30		mg/Kg	20	10/17/2017 4:02:14 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Burnett Oil Co Inc**Client Sample ID:** SP4 3-4**Project:** Gissler B62**Collection Date:** 10/11/2017**Lab ID:** 1710730-027**Matrix:** SOIL**Received Date:** 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2000	75		mg/Kg	50	10/18/2017 7:16:31 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 4-5

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-028

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2600	150		mg/Kg	100	10/18/2017 7:28:56 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP4 5-6

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-029

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	2000	75		mg/Kg	50	10/18/2017 7:41:21 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 0-1

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-030

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/17/2017 1:31:39 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/17/2017 1:31:39 PM
Surr: DNOP	99.6	70-130		%Rec	1	10/17/2017 1:31:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/16/2017 10:48:08 PM
Surr: BFB	96.0	54-150		%Rec	1	10/16/2017 10:48:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.097		mg/Kg	1	10/16/2017 10:48:08 PM
Benzene	ND	0.024		mg/Kg	1	10/16/2017 10:48:08 PM
Toluene	ND	0.049		mg/Kg	1	10/16/2017 10:48:08 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/16/2017 10:48:08 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/16/2017 10:48:08 PM
Surr: 4-Bromofluorobenzene	99.4	66.6-132		%Rec	1	10/16/2017 10:48:08 PM
EPA METHOD 300.0: ANIONS						Analyst: CJS
Chloride	39	30		mg/Kg	20	10/17/2017 4:51:54 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 1-2

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-031

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	290	30		mg/Kg	20	10/18/2017 1:04:14 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 2-3

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-032

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	33	30		mg/Kg	20	10/18/2017 1:16:38 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 3-4

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-033

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	36	30		mg/Kg	20	10/18/2017 1:53:51 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 4-5

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-034

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 2:06:16 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 5-6

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-035

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	35	30		mg/Kg	20	10/18/2017 2:18:41 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 6-7

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-036

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	40	30		mg/Kg	20	10/18/2017 2:31:05 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 7-8

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-037

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	40	30		mg/Kg	20	10/18/2017 2:43:30 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 8-9

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-038

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	31	30		mg/Kg	20	10/18/2017 3:20:44 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP5 9-10

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-039

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 3:33:09 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 0-1

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-040

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 3:45:33 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 1-2

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-041

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 4:22:47 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP6 2-3

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-042

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	100	30		mg/Kg	20	10/18/2017 4:35:11 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 0-1

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-043

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/17/2017 1:53:48 PM
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	10/17/2017 1:53:48 PM
Surr: DNOP	97.7	70-130		%Rec	1	10/17/2017 1:53:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/16/2017 11:11:33 PM
Surr: BFB	91.0	54-150		%Rec	1	10/16/2017 11:11:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	10/16/2017 11:11:33 PM
Benzene	ND	0.023		mg/Kg	1	10/16/2017 11:11:33 PM
Toluene	ND	0.046		mg/Kg	1	10/16/2017 11:11:33 PM
Ethylbenzene	ND	0.046		mg/Kg	1	10/16/2017 11:11:33 PM
Xylenes, Total	ND	0.093		mg/Kg	1	10/16/2017 11:11:33 PM
Surr: 4-Bromofluorobenzene	93.8	66.6-132		%Rec	1	10/16/2017 11:11:33 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 4:47:36 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 1-2

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-044

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 5:00:01 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 2-3

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-045

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 5:12:26 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 3-4

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-046

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/18/2017 5:24:50 PM

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

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

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Analytical Report

Lab Order 1710730

Date Reported: 10/30/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Burnett Oil Co Inc

Client Sample ID: SP7 4-5

Project: Gissler B62

Collection Date: 10/11/2017

Lab ID: 1710730-047

Matrix: SOIL

Received Date: 10/12/2017 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/19/2017 12:14:19 PM

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

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

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

WO#: 1710730

30-Oct-17

Client: Burnett Oil Co Inc**Project:** Gissler B62

Sample ID	MB-34430	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34430	RunNo:	46405					
Prep Date:	10/16/2017	Analysis Date:	10/16/2017	SeqNo:	1478531	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34430	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34430	RunNo:	46405					
Prep Date:	10/16/2017	Analysis Date:	10/16/2017	SeqNo:	1478532	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Sample ID	MB-34438	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34438	RunNo:	46401					
Prep Date:	10/17/2017	Analysis Date:	10/17/2017	SeqNo:	1479260	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34438	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34438	RunNo:	46401					
Prep Date:	10/17/2017	Analysis Date:	10/17/2017	SeqNo:	1479261	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

Sample ID	MB-34478	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34478	RunNo:	46444					
Prep Date:	10/18/2017	Analysis Date:	10/18/2017	SeqNo:	1480600	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34478	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34478	RunNo:	46444					
Prep Date:	10/18/2017	Analysis Date:	10/18/2017	SeqNo:	1480601	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	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 Detection Limit
W Sample container temperature is out of limit as specified

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

WO#: 1710730

30-Oct-17

Client: Burnett Oil Co Inc

Project: Gissler B62

Sample ID	MB-34512	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34512	RunNo:	46501					
Prep Date:	10/19/2017	Analysis Date:	10/19/2017	SeqNo:	1481736	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34512	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34512	RunNo:	46501					
Prep Date:	10/19/2017	Analysis Date:	10/19/2017	SeqNo:	1481737	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	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 Detection Limit
W Sample container temperature is out of limit as specified

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

WO#: 1710730

30-Oct-17

Client: Burnett Oil Co Inc

Project: Gissler B62

Sample ID	LCS-34421	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	34421	RunNo:	46392					
Prep Date:	10/16/2017	Analysis Date:	10/17/2017	SeqNo:	1478057	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.2	73.2	114			
Surr: DNOP	3.6		5.000		72.8	70	130			

Sample ID	MB-34421	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	34421	RunNo:	46392					
Prep Date:	10/16/2017	Analysis Date:	10/17/2017	SeqNo:	1478058	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.2		10.00		82.4	70	130			

Sample ID	1710730-001AMS	SampType:	MS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SP1 0-1	Batch ID:	34421	RunNo:	46391					
Prep Date:	10/16/2017	Analysis Date:	10/17/2017	SeqNo:	1478594	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.6	48.22	0	95.8	55.8	122			
Surr: DNOP	4.7		4.822		98.2	70	130			

Sample ID	1710730-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	SP1 0-1	Batch ID:	34421	RunNo:	46391					
Prep Date:	10/16/2017	Analysis Date:	10/17/2017	SeqNo:	1478676	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.1	45.50	0	92.6	55.8	122	9.28	20	
Surr: DNOP	4.2		4.550		91.7	70	130	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

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

WO#: 1710730

30-Oct-17

Client: Burnett Oil Co Inc

Project: Gissler B62

Sample ID	MB-34409	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	34409	RunNo:	46367					
Prep Date:	10/13/2017	Analysis Date:	10/16/2017	SeqNo:	1477847	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	900		1000		89.5	54	150			

Sample ID	LCS-34409	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	34409	RunNo:	46367					
Prep Date:	10/13/2017	Analysis Date:	10/16/2017	SeqNo:	1477848	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	30	5.0	25.00	0	121	75.9	131			
Surr: BFB	1100		1000		111	54	150			

Sample ID	1710730-014AMS	SampType:	MS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SP3 0-1	Batch ID:	34409	RunNo:	46367					
Prep Date:	10/13/2017	Analysis Date:	10/16/2017	SeqNo:	1477851	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	25	4.8	24.06	0	102	77.8	128			
Surr: BFB	960		962.5		99.3	54	150			

Sample ID	1710730-014AMSD	SampType:	MSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	SP3 0-1	Batch ID:	34409	RunNo:	46367					
Prep Date:	10/13/2017	Analysis Date:	10/16/2017	SeqNo:	1477852	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Gasoline Range Organics (GRO)	24	4.7	23.34	0	103	77.8	128	2.60	20	
Surr: BFB	910		933.7		97.5	54	150	0	0	

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710730

30-Oct-17

Client: Burnett Oil Co Inc

Project: Gissler B62

Sample ID	MB-34409		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	34409		RunNo:	46367			
Prep Date:	10/13/2017		Analysis Date:	10/16/2017		SeqNo:	1477877		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	66.6	132			

Sample ID	LCS-34409		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	34409		RunNo:	46367			
Prep Date:	10/13/2017		Analysis Date:	10/16/2017		SeqNo:	1477878		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.91	0.10	1.000	0	90.6	66.5	120			
Benzene	0.98	0.025	1.000	0	98.3	80	120			
Toluene	0.98	0.050	1.000	0	98.1	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	66.6	132			

Sample ID	1710730-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	SP1 0-1		Batch ID:	34409		RunNo:	46367			
Prep Date:	10/13/2017		Analysis Date:	10/16/2017		SeqNo:	1477880		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.76	0.094	0.9407	0	80.3	72.5	138			
Benzene	0.82	0.024	0.9407	0	87.7	80.9	132			
Toluene	0.83	0.047	0.9407	0	88.1	79.8	136			
Ethylbenzene	0.85	0.047	0.9407	0	90.1	79.4	140			
Xylenes, Total	2.5	0.094	2.822	0	90.2	78.5	142			
Surr: 4-Bromofluorobenzene	0.92		0.9407		97.5	66.6	132			

Sample ID	1710730-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	SP1 0-1		Batch ID:	34409		RunNo:	46367			
Prep Date:	10/13/2017		Analysis Date:	10/16/2017		SeqNo:	1477881		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.82	0.098	0.9843	0	83.1	72.5	138	7.93	20	
Benzene	0.87	0.025	0.9843	0	88.6	80.9	132	5.59	20	
Toluene	0.88	0.049	0.9843	0	89.8	79.8	136	6.47	20	
Ethylbenzene	0.90	0.049	0.9843	0	91.9	79.4	140	6.54	20	

Qualifiers:

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

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

WO#: 1710730

30-Oct-17

Client: Burnett Oil Co Inc

Project: Gissler B62

Sample ID	1710730-001AMSD	SampType:	MSD	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	SP1 0-1	Batch ID:	34409	RunNo:	46367					
Prep Date:	10/13/2017	Analysis Date:	10/16/2017	SeqNo:	1477881	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Xylenes, Total	2.7	0.098	2.953	0	92.4	78.5	142	6.88	20	
Surr: 4-Bromofluorobenzene	0.99		0.9843		100	66.6	132	0	0	

Qualifiers:

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

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

Sample Log-In Check List

Client Name: BURNETT OIL CO INC

Work Order Number: 1710730

RcptNo: 1

Received By: Richie Eriacho 10/12/2017 9:16:00 AM

Completed By: Ashley Gallegos 10/12/2017 3:45:18 PM

Reviewed By: [Signature] 10/13/17

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

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

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

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp °C	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	2.5	Good	Yes			

Chain-of-Custody Record

Client: BOCI

Mailing Address: 600 Mills, NM

Phone #: 432 425-2891

email or Fax#: _____

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

Accreditation: ☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: Gessler B62

Project #: _____

Project Manager: Johnny Tilsen

Sampler: frank

Sample: Soil

Date	Time	Matrix	Sample Request ID
10/11	Am	Soil	SP4 1-2
			SP4 2-3
			SP4 3-4
			SP4 4-5
			SP4 5-6
			SP5 0-1
			SP5 1-2
			SP5 2-3
			SP5 3-4
			SP5 4-5
			SP5 5-6
			SP5 6-7

Date: 10/11 Time: 2:40

Date: 10/17/1990 Time: 10:17

Relinquished by: Kingman

Relinquished by: SP4

Date: 10/17/1990 Time: 0915

Remarks:

See Remarks on pg 1

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



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX + MTBE + TMBs (8021)	
BTEX + MTBE + TPH (Gas only)	
TPH 8015B (GRO / DRO / MRO)	
TPH (Method 418.1)	
EDB (Method 504.1)	
PAH's (8310 or 8270 SIMS)	
RCRA 8 Metals	
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	X
8081 Pesticides / 8082 PCB's	
8260B (VOA)	
8270 (Semi-VOA)	
Air Bubbles (Y or N)	



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Air Bubbles (Y or N)

[illegible]

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



Analytical Report

Report Summary

Client: EOG Resources Inc. - Carlsbad

Samples Received: 7/30/2020

Job Number: 19034-0001

Work Order: P007085

Project Name/Location: Gissler B #62

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 8/5/20

Walter Hinchman, Laboratory Director



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





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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/05/20 13:58

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP-1 0'-1'	P007085-01A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-1 1'-2'	P007085-02A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-1 2'-3'	P007085-03A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-1 3'-4'	P007085-04A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-1 4'-5'	P007085-05A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-2 0'-1'	P007085-06A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-2 1'-2'	P007085-07A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-2 2'-3'	P007085-08A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-2 3'-4'	P007085-09A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-2 4'-5'	P007085-10A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-3 0'-1'	P007085-11A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-3 1'-2'	P007085-12A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-3 2'-3'	P007085-13A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-3 3'-4'	P007085-14A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-3 4'-5'	P007085-15A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-4 0'-1'	P007085-16A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-4 1'-2'	P007085-17A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-4 2'-3'	P007085-18A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-4 3'-4'	P007085-19A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-4 4'-5'	P007085-20A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/05/20 13:58

SP-1 0'-1'
P007085-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	50-150	07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.3 %	50-150	07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
<i>Surrogate: n-Nonane</i>		92.6 %	50-200	07/31/20	08/01/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2032004
Chloride	ND	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/05/20 13:58

SP-1 1'-2'
P007085-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	50-150	07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	50-150	07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
<i>Surrogate: n-Nonane</i>		96.4 %	50-200	07/31/20	08/01/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2032004
Chloride	ND	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-1 2'-3'
P007085-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031023
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031023
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.5 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	88.8 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A						Batch: 2032004
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/05/20 13:58

SP-1 3'-4'
P007085-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.7 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	95.8 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2032004
Chloride	ND	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-1 4'-5'
P007085-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.0 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	96.1 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032004
Chloride	ND	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-2 0'-1'
P007085-06 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031023
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
Surrogate: 4-Bromochlorobenzene-PID	104 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031023
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
Surrogate: 1-Chloro-4-fluorobenzene-PID	89.3 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	94.5 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A						Batch: 2032004
	mg/kg	mg/kg				
Chloride	30.4	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-2 1'-2'
P007085-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031023
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
Surrogate: 4-Bromochlorobenzene-PID	105 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031023
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.8 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031028
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	92.5 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A						Batch: 2032004
	mg/kg	mg/kg				
Chloride	39.2	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-2 2'-3'
P007085-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/03/20	
Toluene	ND	0.0250	1	07/31/20	08/03/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/03/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/03/20	
o-Xylene	ND	0.0250	1	07/31/20	08/03/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/03/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/03/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.3 %	50-150		07/31/20	08/03/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	90.5 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A						Batch: 2032004
Chloride	121	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-2 3'-4'
P007085-09 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	100 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.7 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	87.2 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	75.8	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-2 4'-5'
P007085-10 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	101 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	88.1 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	82.6	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Gissler B #62 Project Number: 19034-0001 Project Manager: Robert Asher	Reported: 08/05/20 13:58
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SP-3 0'-1'
P007085-11 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	101 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.9 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	94.7 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	ND	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-3 1'-2'
P007085-12 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.5 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	1540	125	5	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	1760	250	5	07/31/20	08/04/20	
Surrogate: n-Nonane	123 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032004
Chloride	20.3	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-3 2'-3'
P007085-13 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	101 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.5 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	77.0 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	26.3	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-3 3'-4'
P007085-14 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	105 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.1 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	97.4 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	49.5	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/05/20 13:58

SP-3 4'-5'
P007085-15 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	50-150	07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	50-150	07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
<i>Surrogate: n-Nonane</i>						
		91.0 %	50-200	07/31/20	08/01/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032004
Chloride	21.2	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/05/20 13:58

SP-4 0'-1'
P007085-16 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	104 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	76.5 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	1600	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-4 1'-2'
P007085-17 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	91.8 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	313	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-4 2'-3'
P007085-18 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	101 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.1 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	85.9 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	276	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-4 3'-4'
P007085-19 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
Surrogate: 4-Bromochlorobenzene-PID	104 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
Surrogate: n-Nonane	83.2 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	266	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/05/20 13:58

SP-4 4'-5'
P007085-20 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031023
Benzene	ND	0.0250	1	07/31/20	08/04/20	
Toluene	ND	0.0250	1	07/31/20	08/04/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/04/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/04/20	
o-Xylene	ND	0.0250	1	07/31/20	08/04/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/04/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	103 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/04/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.8 %	50-150		07/31/20	08/04/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/01/20	
<i>Surrogate: n-Nonane</i>	91.7 %	50-200		07/31/20	08/01/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032004
Chloride	1100	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

Volatile Organics by EPA 8021B - Quality Control

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

Blank (2031023-BLK1)

Prepared: 07/31/20 1 Analyzed: 08/03/20 1

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	8.09		8.00		101	50-150			

LCS (2031023-BS1)

Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Benzene	5.20	0.0250	5.00		104	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	50-150			

Matrix Spike (2031023-MS1)

Source: P007085-01 Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Benzene	5.13	0.0250	5.00	ND	103	54.3-133			
Toluene	5.17	0.0250	5.00	ND	103	61.4-130			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63.3-131			
o-Xylene	5.17	0.0250	5.00	ND	103	63.3-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.49		8.00		106	50-150			

Matrix Spike Dup (2031023-MSD1)

Source: P007085-01 Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Benzene	5.21	0.0250	5.00	ND	104	54.3-133	1.49	20	
Toluene	5.21	0.0250	5.00	ND	104	61.4-130	0.733	20	
Ethylbenzene	5.20	0.0250	5.00	ND	104	61.4-133	0.797	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63.3-131	0.749	20	
o-Xylene	5.20	0.0250	5.00	ND	104	63.3-131	0.626	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	0-200	0.708	200	
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	50-150			

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EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Gissler B #62 Project Number: 19034-0001 Project Manager: Robert Asher	Reported: 08/05/20 13:58
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Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
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Blank (2031023-BLK1)

Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.2	50-150			

LCS (2031023-BS2)

Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.8	50-150			

Matrix Spike (2031023-MS2)

Source: P007085-01 Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0	ND	93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	50-150			

Matrix Spike Dup (2031023-MSD2)

Source: P007085-01 Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.8	70-130	3.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	50-150			

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EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Gissler B #62 Project Number: 19034-0001 Project Manager: Robert Asher	Reported: 08/05/20 13:58
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Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
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Blank (2031028-BLK1)

Prepared: 07/31/20 1 Analyzed: 08/01/20 0

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2031028-BS1)

Prepared: 07/31/20 1 Analyzed: 08/01/20 0

Diesel Range Organics (C10-C28)	453	25.0	500		90.6	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike (2031028-MS1)

Source: P007085-01 Prepared: 07/31/20 1 Analyzed: 08/01/20 0

Diesel Range Organics (C10-C28)	460	25.0	500	ND	92.0	38-132			
Surrogate: n-Nonane	41.5		50.0		83.0	50-200			

Matrix Spike Dup (2031028-MSD1)

Source: P007085-01 Prepared: 07/31/20 1 Analyzed: 08/01/20 0

Diesel Range Organics (C10-C28)	469	25.0	500	ND	93.8	38-132	1.99	20	
Surrogate: n-Nonane	49.7		50.0		99.5	50-200			

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/05/20 13:58
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
Blank (2032004-BLK1)					Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	ND	20.0							
LCS (2032004-BS1)					Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2032004-MS1)					Source: P007085-01 Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2032004-MSD1)					Source: P007085-01 Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	254	20.0	250	ND	102	80-120	0.771	20	

QC Summary Report Comment:

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

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Robert Asher	08/05/20 13:58

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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Project Information				Chain of Custody				Page 1 of 24				
Client: EOG Resources, Inc.				Report Attention				Lab Use Only				
Project: Gissler B #62				Report due by: 8/6/2020				Lab WO# P007086				
Project Manager: Robert Asher				Attention: Robert Asher				Job Number 14034-0001				
Address: 104 South 4th Street				Address: 104 South 4th Street				Analysis and Method				
City, State, Zip: Artesia, NM 88210				City, State, Zip: Artesia, NM 88210				State				
Phone: (575) 748-4217				Phone: (575) 748-4217				NM CO UT AZ				
Email: robert.asher@eogresources.com				Email: robert.asher@eogresources.com				X				
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRD/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
701A	7/29/20	S	1	SP-1 0'-1'	1	X	X	X				BGDOC
703	7/29/20	S	1	SP-1 1'-2'	2	X	X	X				BGDOC
704	7/29/20	S	1	SP-1 2'-3'	3	X	X	X				BGDOC
706	7/29/20	S	1	SP-1 3'-4'	4	X	X	X				BGDOC
707	7/29/20	S	1	SP-1 4'-5'	5	X	X	X				BGDOC
710	7/29/20	S	1	SP-2 0'-1'	6	X	X	X				BGDOC
712	7/29/20	S	1	SP-2 1'-2'	7	X	X	X				BGDOC
713	7/29/20	S	1	SP-2 2'-3'	8	X	X	X				BGDOC
714	7/29/20	S	1	SP-2 3'-4'	9	X	X	X				BGDOC
715	7/29/20	S	1	SP-2 4'-5'	10	X	X	X				BGDOC

Additional Instructions:
PO# 205632

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

Relinquished by: (Signature) *Emily* Date: 7/29/2020 Time: 10:30

Relinquished by: (Signature) *Rona* Date: 7/30/20 Time: 10:30

Received by: (Signature) *Rona* Date: 7/30/20 Time: 10:30

Received by: (Signature) *Rona* Date: 7/30/20 Time: 10:30

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.



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Analytical Laboratory

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 24 hour Emergency Response Phone (800) 362-1879

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

Project Information

Client: EOG Resources, Inc.				Report Attention		Lab Use Only		TAT		EPA Program		
Project: Gissler B #62				Report due by: 8/6/2020		Lab WO# P007085		Job Number 19034-0001		1D 3D RCRA CWA SDWA		
Project Manager: Robert Asher				Attention: Robert Asher		Analysis and Method				State		
Address: 104 South 4th Street				Address: 104 South 4th Street						NM CO UT AZ		
City, State, Zip Artesia, NM 88210				City, State, Zip Artesia, NM 88210						X		
Phone: (575) 748-4217				Phone: (575) 748-4217								
Email: robert.asher@eogresources.com				Email: robert.asher@eogresources.com								
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number							
7/17	7/29/20	S	1	SP-3 0'-1'	11	DRO/ORD by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	
7/18	7/29/20	S	1	SP-3 1'-2'	12	X	X	X		X		BGDOC
7/19	7/29/20	S	1	SP-3 2'-3'	13	X	X	X		X		BGDOC
7/20	7/29/20	S	1	SP-3 3'-4'	14	X	X	X		X		BGDOC
7/21	7/29/20	S	1	SP-3 4'-5'	15	X	X	X		X		BGDOC
7/22	7/29/20	S	1	SP-4 0'-1'	16	X	X	X		X		BGDOC
7/23	7/29/20	S	1	SP-4 1'-2'	17	X	X	X		X		BGDOC
7/24	7/29/20	S	1	SP-4 2'-3'	18	X	X	X		X		BGDOC
7/25	7/29/20	S	1	SP-4 3'-4'	19	X	X	X		X		BGDOC
7/26	7/29/20	S	1	SP-4 4'-5'	20	X	X	X		X		BGDOC

Additional Instructions:
PO# 205632

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:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>[Signature]</i>	7/29/2020		<i>[Signature]</i>	7/30/20	10:30

Relinquished by: (Signature) Date Time Received by: (Signature) Date Time

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 this COC. The liability of the laboratory is limited to the amount paid for on the report.

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24 hour Emergency Response Phone (800) 362-1879



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Analytical Laboratory



Analytical Report

Report Summary

Client: EOG Resources Inc. - Carlsbad

Samples Received: 7/30/2020

Job Number: 19034-0001

Work Order: P007086

Project Name/Location: Gissler B #62

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 8/6/20

Walter Hinchman, Laboratory Director



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





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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/06/20 13:34

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP-5 0'-1'	P007086-01A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-5 1'-2'	P007086-02A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-5 2'-3'	P007086-03A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-5 3'-4'	P007086-04A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-5 4'-5'	P007086-05A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-6 0'-1'	P007086-06A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-6 1'-2'	P007086-07A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-6 2'-3'	P007086-08A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-6 3'-4'	P007086-09A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-6 4'-5'	P007086-10A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-7 0'-1'	P007086-11A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-7 1'-2'	P007086-12A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-7 2'-3'	P007086-13A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-7 3'-4'	P007086-14A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.
SP-7 4'-5'	P007086-15A	Soil	07/29/20	07/30/20	Glass Jar, 4 oz.

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-5 0'-1'
P007086-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/03/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/03/20	
Surrogate: n-Nonane	97.0 %	50-200		07/31/20	08/03/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032005
Chloride	ND	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/06/20 13:34

SP-5 1'-2'
P007086-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
Surrogate: 4-Bromochlorobenzene-PID	102 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/03/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/03/20	
Surrogate: n-Nonane	97.9 %	50-200		07/31/20	08/03/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032005
Chloride	43.8	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-5 2'-3'
P007086-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/03/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/03/20	
Surrogate: n-Nonane	97.0 %	50-200		07/31/20	08/03/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032005
Chloride	103	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/06/20 13:34

SP-5 3'-4'
P007086-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	50-150	07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/03/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/03/20	
<i>Surrogate: n-Nonane</i>		92.1 %	50-200	07/31/20	08/03/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2032005
Chloride	104	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/06/20 13:34

SP-5 4'-5'
P007086-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
Surrogate: 4-Bromochlorobenzene-PID	104 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/03/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/03/20	
Surrogate: n-Nonane	83.1 %	50-200		07/31/20	08/03/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032005
Chloride	77.8	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-6 0'-1'
P007086-06 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.5 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/03/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/03/20	
Surrogate: n-Nonane	90.8 %	50-200		07/31/20	08/03/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032005
Chloride	229	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/06/20 13:34

SP-6 1'-2'
P007086-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
Surrogate: 4-Bromochlorobenzene-PID		102 %	50-150	07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	50-150	07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane		98.0 %	50-200	07/31/20	08/04/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2032005
Chloride	91.7	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-6 2'-3'
P007086-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031024
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	07/31/20	08/05/20	
Toluene	ND	0.0250	1	07/31/20	08/05/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/05/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/05/20	
o-Xylene	ND	0.0250	1	07/31/20	08/05/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/05/20	
Surrogate: 4-Bromochlorobenzene-PID	104 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031024
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.8 %	50-150		07/31/20	08/05/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031030
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane	96.7 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A						Batch: 2032005
	mg/kg	mg/kg				
Chloride	85.5	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-6 3'-4'
P007086-09 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031024
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	07/31/20	08/06/20	
Toluene	ND	0.0250	1	07/31/20	08/06/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/06/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/06/20	
o-Xylene	ND	0.0250	1	07/31/20	08/06/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/06/20	
Surrogate: 4-Bromochlorobenzene-PfID	107 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031024
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/06/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031030
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane	96.0 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A						Batch: 2032005
	mg/kg	mg/kg				
Chloride	32.7	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Gissler B #62 Project Number: 19034-0001 Project Manager: Robert Asher	Reported: 08/06/20 13:34
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SP-6 4'-5'
P007086-10 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatiles Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/06/20	
Toluene	ND	0.0250	1	07/31/20	08/06/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/06/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/06/20	
o-Xylene	ND	0.0250	1	07/31/20	08/06/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/06/20	
Surrogate: 4-Bromochlorobenzene-PID	107 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/06/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.1 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane	93.9 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032005
Chloride	139	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-7 0'-1'
P007086-11 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/06/20	
Toluene	ND	0.0250	1	07/31/20	08/06/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/06/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/06/20	
o-Xylene	ND	0.0250	1	07/31/20	08/06/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/06/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/06/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.2 %	50-150	07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	32.0	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
<i>Surrogate: n-Nonane</i>		90.3 %	50-200	07/31/20	08/04/20	
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch: 2032005
Chloride	ND	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-7 1'-2'
P007086-12 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/06/20	
Toluene	ND	0.0250	1	07/31/20	08/06/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/06/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/06/20	
o-Xylene	ND	0.0250	1	07/31/20	08/06/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/06/20	
Surrogate: 4-Bromochlorobenzene-PID	106 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/06/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane	93.4 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2032005
Chloride	ND	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-7 2'-3'
P007086-13 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031024
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	07/31/20	08/06/20	
Toluene	ND	0.0250	1	07/31/20	08/06/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/06/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/06/20	
o-Xylene	ND	0.0250	1	07/31/20	08/06/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/06/20	
Surrogate: 4-Bromochlorobenzene-PfD	107 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031024
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/06/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031030
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	46.7	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane	95.3 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A						Batch: 2032005
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/03/20	08/03/20	

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

SP-7 3'-4'
P007086-14 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2031024
	mg/kg	mg/kg				
Benzene	ND	0.0250	1	07/31/20	08/06/20	
Toluene	ND	0.0250	1	07/31/20	08/06/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/06/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/06/20	
o-Xylene	ND	0.0250	1	07/31/20	08/06/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/06/20	
Surrogate: 4-Bromochlorobenzene-PID	107 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2031024
	mg/kg	mg/kg				
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/06/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.9 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2031030
	mg/kg	mg/kg				
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane	97.0 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A						Batch: 2032005
	mg/kg	mg/kg				
Chloride	ND	20.0	1	08/03/20	08/03/20	

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

Project Name: Gissler B #62
Project Number: 19034-0001
Project Manager: Robert Asher

Reported:
08/06/20 13:34

SP-7 4'-5'
P007086-15 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2031024
Benzene	ND	0.0250	1	07/31/20	08/06/20	
Toluene	ND	0.0250	1	07/31/20	08/06/20	
Ethylbenzene	ND	0.0250	1	07/31/20	08/06/20	
p,m-Xylene	ND	0.0500	1	07/31/20	08/06/20	
o-Xylene	ND	0.0250	1	07/31/20	08/06/20	
Total Xylenes	ND	0.0250	1	07/31/20	08/06/20	
Surrogate: 4-Bromochlorobenzene-PID	107 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2031024
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/20	08/06/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.1 %	50-150		07/31/20	08/06/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2031030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/20	08/04/20	
Oil Range Organics (C28-C40)	ND	50.0	1	07/31/20	08/04/20	
Surrogate: n-Nonane	98.8 %	50-200		07/31/20	08/04/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2032005
Chloride	ND	20.0	1	08/03/20	08/04/20	

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EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Gissler B #62 Project Number: 19034-0001 Project Manager: Robert Asher	Reported: 08/06/20 13:34
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Volatile Organics by EPA 8021B - Quality Control

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

Blank (2031024-BLK1)

Prepared: 07/31/20 | Analyzed: 08/05/20 |

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	8.16		8.00		102	50-150			

LCS (2031024-BS1)

Prepared: 07/31/20 | Analyzed: 08/05/20 |

Benzene	4.94	0.0250	5.00		98.9	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	9.94	0.0500	10.0		99.4	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
Total Xylenes	14.9	0.0250	15.0		99.2	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.39		8.00		105	50-150			

Matrix Spike (2031024-MS1)

Source: P007082-01 | Prepared: 07/31/20 | Analyzed: 08/05/20 |

Benzene	4.96	0.0250	5.00	ND	99.2	54.3-133			
Toluene	5.09	0.0250	5.00	ND	102	61.4-130			
Ethylbenzene	5.04	0.0250	5.00	ND	101	61.4-133			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63.3-131			
o-Xylene	4.96	0.0250	5.00	ND	99.1	63.3-131			
Total Xylenes	15.0	0.0250	15.0	ND	99.9	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		105	50-150			

Matrix Spike Dup (2031024-MSD1)

Source: P007082-01 | Prepared: 07/31/20 | Analyzed: 08/05/20 |

Benzene	4.90	0.0250	5.00	ND	97.9	54.3-133	1.29	20	
Toluene	5.04	0.0250	5.00	ND	101	61.4-130	0.959	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.8	61.4-133	1.07	20	
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	63.3-131	1.32	20	
o-Xylene	4.94	0.0250	5.00	ND	98.8	63.3-131	0.389	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	0-200	1.01	200	
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	50-150			

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
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Blank (2031024-BLK1)

Prepared: 07/31/20 1 Analyzed: 08/05/20 1

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	50-150			

LCS (2031024-BS2)

Prepared: 07/31/20 1 Analyzed: 08/05/20 1

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	50-150			

Matrix Spike (2031024-MS2)

Source: P007082-01 Prepared: 07/31/20 1 Analyzed: 08/05/20 1

Gasoline Range Organics (C6-C10)	49.9	20.0	50.0	ND	99.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	50-150			

Matrix Spike Dup (2031024-MSD2)

Source: P007082-01 Prepared: 07/31/20 1 Analyzed: 08/05/20 1

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	0.918	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	50-150			

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Robert Asher	08/06/20 13:34

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

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

Blank (2031030-BLK1)

Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	58.5		50.0		117	50-200			

LCS (2031030-BS1)

Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Diesel Range Organics (C10-C28)	479	25.0	500		95.9	38-132			
Surrogate: n-Nonane	52.5		50.0		105	50-200			

Matrix Spike (2031030-MS1)

Source: P007082-01 Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Diesel Range Organics (C10-C28)	464	25.0	500	ND	92.8	38-132			
Surrogate: n-Nonane	47.8		50.0		95.5	50-200			

Matrix Spike Dup (2031030-MSD1)

Source: P007082-01 Prepared: 07/31/20 1 Analyzed: 08/03/20 1

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.6	38-132	1.31	20	
Surrogate: n-Nonane	45.5		50.0		91.0	50-200			

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	Reported: 08/06/20 13:34
104 South 4th Street	Project Number:	19034-0001	
Artesia NM, 88210	Project Manager:	Robert Asher	

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	REC %	REC Limits %	RPD %	RPD Limit %	Notes
Blank (2032005-BLK1)					Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	ND	20.0							
LCS (2032005-BS1)					Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2032005-MS1)					Source: P007086-01 Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	266	20.0	250	ND	106	80-120			
Matrix Spike Dup (2032005-MSD1)					Source: P007086-01 Prepared: 08/03/20 0 Analyzed: 08/03/20 1				
Chloride	264	20.0	250	ND	106	80-120	0.656	20	

QC Summary Report Comment:

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

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EOG Resources Inc. - Carlsbad	Project Name:	Gissler B #62	
104 South 4th Street	Project Number:	19034-0001	Reported:
Artesia NM, 88210	Project Manager:	Robert Asher	08/06/20 13:34

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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

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Project Information				Chain of Custody				Page 3 of 34				
Client: EOG Resources, Inc.				Report Attention				Lab Use Only				
Project: Gissler B #62				Report due by: 8/6/2020				Lab WO# P007086				
Project Manager: Robert Asher				Attention: Robert Asher				Job Number 19034-0001				
Address: 104 South 4th Street				Address: 104 South 4th Street				Analysis and Method				
City, State, Zip: Artesia, NM 88210				City, State, Zip: Artesia, NM 88210				State				
Phone: (575) 748-4217				Phone: (575) 748-4217				NM CO UT AZ				
Email: robert.asher@eogresources.com				Email: robert.asher@eogresources.com				X				
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
7304	7/29/20	S	1	SP-5 0'-1'	1	X	X	X				BGDOC
731	7/29/20	S	1	SP-5 1'-2'	2	X	X	X				BGDOC
732	7/29/20	S	1	SP-5 2'-3'	3	X	X	X				BGDOC
733	7/29/20	S	1	SP-5 3'-4'	4	X	X	X				BGDOC
734	7/29/20	S	1	SP-5 4'-5'	5	X	X	X				BGDOC
735	7/29/20	S	1	SP-6 0'-1'	6	X	X	X				BGDOC
736	7/29/20	S	1	SP-6 1'-2'	7	X	X	X				BGDOC
737	7/29/20	S	1	SP-6 2'-3'	8	X	X	X				BGDOC
738	7/29/20	S	1	SP-6 3'-4'	9	X	X	X				BGDOC
739	7/29/20	S	1	SP-6 4'-5'	10	X	X	X				BGDOC

Additional Instructions:
PO# 205632
 I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Robert Asher</i>	7/29/2020		<i>Robert Asher</i>	7/30/20	10:30

Received on ice: Y N
 T1 4 T2 4 T3 4
 AVG Temp °C 4

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 Resources, Inc.				Report Attention				Lab Use Only				TAT				EPA Program			
Project:				Report due by:				Lab WO#				1D				3D			
Project Manager: Robert Asher				Attention: Robert Asher				Job Number				RCRA				CWA			
Address: 104 South 4th Street				Address: 104 South 4th Street				Analysis and Method											
City, State, Zip Artesia, NM 88210				City, State, Zip Artesia, NM 88210				DRO/DRO by 8015											
Phone: (575) 748-4217				Phone: (575) 748-4217				GRO/DRO by 8015											
Email: robert.asher@eogresources.com				Email: robert.asher@eogresources.com				BTEX by 8021											
				Lab Number				VOC by 8260											
				No Containers				Metals 6010											
				Sample ID				Chloride 300.0											
				Date Sampled															
				Matrix															
7/29	7/29/20	S	1	SP-7 0'-1'	11	X	X	X	X	X	X								
7/29	7/29/20	S	1	SP-7 1'-2'	12	X	X	X	X	X	X								
7/29	7/29/20	S	1	SP-7 2'-3'	13	X	X	X	X	X	X								
7/29	7/29/20	S	1	SP-7 3'-4'	14	X	X	X	X	X	X								
7/29	7/29/20	S	1	SP-7 4'-5'	15	X	X	X	X	X	X								
Additional Instructions:																			
PO# 205632																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:																			
Relinquished by: (Signature)				Date				Time				Received by: (Signature)				Date			
[Signature]				7/29/2020				10:30				[Signature]				7/30/20			
Relinquished by: (Signature)				Date				Time				Received on ice:				T1			
[Signature]												Y/N				T3			
												AVG Temp °C				T2			
												4				T3			
Sample Matrix: S - Soli, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
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.																			
Container Type: , p - poly/plastic, ag - amber glass, v - VOA																			

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 147026

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 147026
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	10/6/2022