

**EOG Resources, Inc.  
White IU #002**

**Closure Report**

**UL P, Section 28, T18S, R26E  
Eddy County, New Mexico**

**NAPP2131347236**

**March 14, 2022**



**Prepared for:**

**EOG Resources, Inc.  
104 S. 4<sup>th</sup> Street  
Artesia, New Mexico 88210**

**By:**

**Safety & Environmental Solutions, Inc.  
703 East Clinton Street  
Hobbs, New Mexico 88240**

## Company Contacts

Representative	Company	Telephone	E-mail
Chase Settle	EOG Resources	575-748-1471	<a href="mailto:Chase_Settle@eogresources.com">Chase_Settle@eogresources.com</a>
Bob Allen	SESI	575-397-0510	<a href="mailto:ballen@sesi-nm.com">ballen@sesi-nm.com</a>

## Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by EOG Resources to perform a site assessment at the White IU #002 Well Pad. According to the C-141, 190 bbls of fresh water and frac fluid were released. An offset frac by another operator forced the fresh water and frac fluid through the casing. This site is situated in Eddy County, Section 28, Township 18S, and Range 26E.

SESI personnel performed an assessment of the site in November of 2021 based on operator knowledge of the leak location. SESI personnel mapped the leak and performed delineation.

## Surface and Ground Water

Based on the NMOCD Oil and Gas map included in this report, surface water is not present within 3,000 feet of this release. The New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be between 175' and 225' bgs; Three wells were identified in the 0.5 mile area surrounding the release location, with one well being drilled in 2020, and identifying a static water level of 175' at the time of drilling.

## Characterization

In November of 2021, SESI personnel performed sampling to determine vertical extent of the release. Four areas of concern were identified. The well pad, the North pasture, the Northeast pasture and the East pasture. SESI advanced auger holes within the leak areas. The samples were properly packaged and preserved and sent to Hall Laboratories for analysis. The results of the testing are captured in the summary below:

EOG Resources – White IU #2								
Soil Sample Results: Hall Environmental Laboratories 11/5/21								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
AH-1 @ Surface	390	ND	75	51	ND	ND	ND	ND
AH-1 @ 1'	110	ND	ND	ND	ND	ND	ND	ND
AH-2 @ Surface	390	ND	70	57	ND	ND	ND	ND
AH-2 @ 1'	110	ND	ND	ND	ND	ND	ND	ND
AH-3 @ Surface	190	ND	10	ND	ND	ND	ND	ND
AH-3 @ 1'	180	ND	20	ND	ND	ND	ND	ND
AH-4 @ Surface	190	ND	ND	ND	ND	ND	ND	ND
AH-4 @ 1'	170	ND	ND	ND	ND	ND	ND	ND
AH-5 @ Surface	<b>970</b>	ND	ND	ND	ND	ND	ND	ND
AH-5 @ 1'	180	ND	ND	ND	ND	ND	ND	ND
AH-6 @ Surface	<b>800</b>	<b>110</b>	<b>910</b>	<b>430</b>	ND	0.87	2.0	4.0
AH-6 @ 1'	500	ND	ND	ND	ND	ND	ND	ND
White Spill – Samples 11/17/21								
R-1 @ Surface	<b>1800</b>	ND	<b>900</b>	<b>680</b>	ND	ND	ND	ND
R-1 @ 1'	<b>1600</b>	ND	ND	ND	ND	ND	ND	ND
R-1 @ 2'	<b>1700</b>	ND	ND	ND	ND	ND	ND	ND
R-1 @ 3'	<b>780</b>	ND	ND	ND	ND	ND	ND	ND
R-1 @ 4'	480	ND	ND	ND	ND	ND	ND	ND
R-2 @ Surface	<b>800</b>	ND	<b>10000</b>	<b>8600</b>	ND	ND	ND	ND
R-2 @ 1'	<b>1100</b>	ND	<b>230</b>	<b>110</b>	ND	ND	ND	ND

R-3 @ Surface	1600	ND	46	ND	ND	ND	ND	ND
<b>White Spill – Samples 11/20/21</b>								
B-1 @ 15'	4100	ND	210	140	ND	ND	ND	ND
B-1 @ 18'	1200	ND	ND	ND	ND	ND	ND	ND
B-1 @ 20'	900	ND	ND	ND	ND	ND	ND	ND
B-1 @ 22'	2000	ND	ND	ND	ND	ND	ND	ND
B-1 @ 24'	400	ND	ND	ND	ND	ND	ND	ND

## Remediation

Based on the results of the delineation, SESI, determined the best course of action is to excavate the contaminated soil around the impacted wellhead as practicable. The other areas off of the well pad were in need of a surface scraping to remove contaminants, and this procedure was subsequently completed, and confirmations samples taken of all 4 affected areas. In November of 2021, contaminated material was removed by excavating the affected areas. Confirmation samples were taken to ensure remediation was successful and that the vertical and horizontal extent of the release area had been established. The samples were properly preserved and packaged then sent to Hall Laboratories for analysis. The results of the sampling is captured in the table below.

<b>EOG Resources - White UI 2</b>								
<b>Soil Sample Results: Hall Environmental Laboratories 11/22/21</b>								
North Wall	380	ND						
West Wall	400	ND						
East Wall	290	ND						
South Wall	270	ND						
SP-1 @ 14'	120	ND						
SP-2 @ 8'	270	ND						

<b>EOG Resources – White IU #2 North Pasture</b>								
<b>Soil Sample Results: Hall Environmental Laboratories 12/2/21</b>								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
SP-1 @ Surface	340	ND	80	250	ND	ND	ND	ND
SP-2 @ Surface	280	ND	36	130	ND	ND	ND	ND
SP-3 @ Surface	290	ND	52	210	ND	ND	ND	ND
SP-4 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
East Surface 1	ND	ND	ND	ND	ND	ND	ND	ND
East Surface 2	ND	ND	ND	ND	ND	ND	ND	ND
West Surface 1	ND	ND	ND	ND	ND	ND	ND	ND
West Surface 2	ND	ND	ND	ND	ND	ND	ND	ND
North Surface	ND	ND	ND	ND	ND	ND	ND	ND

<b>EOG Resources – White IU #2 Northeast Pasture</b>								
<b>Soil Sample Results: Hall Environmental Laboratories 12/2/21</b>								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
SP-6 @ Surface	160	ND	ND	ND	ND	ND	ND	ND
SP-7 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
SP-8 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
SP-9 @ Surface	160	ND	ND	ND	ND	ND	ND	ND
SP-10 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
SP-11 @ Surface	ND	ND	11	ND	ND	ND	ND	ND
West Surface 1	ND	ND	ND	58	ND	ND	ND	ND
West Surface 2	ND	ND	ND	ND	ND	ND	ND	ND
West Surface 3	ND	ND	ND	ND	ND	ND	ND	ND

West Surface 4	ND	ND	ND	ND	ND	ND	ND	ND
West Surface 5	ND	ND	ND	86	ND	ND	ND	ND
SP-1 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
SP-2 @ Surface	160	ND	ND	64	ND	ND	ND	ND
SP-3 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
SP-4 @ Surface	160	ND						
SP-5 @ Surface	160	ND						
North Surface 1	ND	ND	ND	ND	ND	ND	ND	ND
North Surface 2	160	ND	ND	52	ND	ND	ND	ND
North Surface 3	ND	ND	ND	ND	ND	ND	ND	ND

EOG Resources – White IU #2 East Pasture								
Soil Sample Results: Hall Environmental Laboratories 11/24/21								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
SP-1 @ Surface	280	ND	ND	ND	ND	ND	ND	ND
SP-2 @ Surface	270	ND	ND	ND	ND	ND	ND	ND
SP-3 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
SP-4 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
SP-5 @ Surface	ND	ND	ND	ND	ND	ND	ND	ND
North Surface 1	ND	ND	ND	ND	ND	ND	ND	ND
North Surface 2	ND	ND	ND	ND	ND	ND	ND	ND
South Surface 1	ND	ND	ND	ND	ND	ND	ND	ND
South Surface 2	ND	ND	ND	ND	ND	ND	ND	ND
East Surface	ND	ND	ND	ND	ND	ND	ND	ND

During review of the analytical data in preparation for the closure. There were samples that required some investigation. Specifically, R-2 @ 1', R-3 @ Surface, and SP-1, 2, & 3 for the North Pasture. It was also considered that due to the complex nature of the investigation at the well head, additional confirmation samples were taken to demonstrate adequate remediation across the entire excavation at the varying depths, 3', 8' and 14'. SESI returned to the location of each of these samples and collected new samples for analysis, which is presented in the tables below.

EOG Resources - White UI 2 *Re-sample SP-1,2, &3 of North Pasture*								
Soil Sample Results: Cardinal Laboratories 1/31/22								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl Benzene	Total Xylenes
R-2 @ 6"	336	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150
R-3 @ 6"	48	<10.0	23.6	<10.0	<0.050	<0.050	<0.050	<0.150
SP-1 @ Surface	336	<10.0	17.5	<10.0	<0.050	<0.050	<0.050	<0.150
SP-2 @ Surface	48	<10.0	12.4	<10.0	<0.050	<0.050	<0.050	<0.150
SP-3 @ Surface	48	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150

Review of these samples indicated that there was a sampling error or other anomaly that contributed to the initial sample readings. Once sample results verified successful remediation, vertical and horizontal extent, the site was backfilled with clean soil. Pictures of the remediation are included in this report.

EOG Resources - White UI 2 *Confirmation Samples for WH Excavation*								
Soil Sample Results: Hall Environmental Labs 3/4/22								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl Benzene	Total Xylenes
CS-1 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND
CS-2 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND
CS-3 @ 3'	410	ND	19	ND	ND	ND	ND	ND
CS-4 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND
CS-5 @ 3'	250	ND	ND	ND	ND	ND	ND	ND
CS-6 @ 3'	ND	ND	ND	ND	ND	ND	ND	ND
CS-7A @ 2'	<b>2400</b>	ND	ND	ND	ND	ND	ND	ND
CS-7B @ 3'	320	ND	ND	ND	ND	ND	ND	ND
CS-8 @ 8'	120	ND	ND	ND	ND	ND	ND	ND
CS-9 @ 14'	ND	ND	ND	ND	ND	ND	ND	ND
CS-10 @ 8'	62	ND	13	ND	ND	ND	ND	ND

Review of these samples indicated adequate sample coverage for the size of the excavation and included samples at the varying depths. Once sample results verified successful remediation, vertical and horizontal extent, the site was backfilled with clean soil. Pictures of the remediation are included in this report.

### Closure Request

Based on the confirmation and horizontal sample results, SESI believes the release area to be properly remediated according to the closure criteria set forth in Table I of the Spill Rule 19.15.29 NMAC. Therefore, SESI, on behalf of EOG, respectfully requests closure of this release. Supplemental information has been included in this report to support our closure request.

### Supplemental Documentation for Closure

- Map of Release with sample locations
- Photos of release and remediation
- NMOCD Oil and Gas Map
- BLM Cave Karst Map
- FEMA Floodplain Map
- Laboratory Analysis

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	nAPP2131347236
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party <b>EOG Resources, Inc.</b>	OGRID <b>7377</b>
Contact Name <b>Chase Settle</b>	Contact Telephone <b>575-748-1471</b>
Contact email <b>Chase_Settle@eogresources.com</b>	Incident # <b>nAPP2131347236</b>
Contact mailing address <b>104 S. 4th Street, Artesia, NM 88210</b>	

### Location of Release Source

Latitude 32.71427 Longitude -104.37954  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name <b>White IU #2</b>	Site Type <b>Well Pad</b>
Date Release Discovered <b>10/30/2021</b>	API# (if applicable) <b>30-015-25677</b>

Unit Letter	Section	Township	Range	County
<b>P</b>	<b>28</b>	<b>18S</b>	<b>26E</b>	<b>Eddy</b>

Surface Owner:  State  Federal  Tribal  Private (Name: Harmon Jurney, Troy Stebbins, Vickie Hall)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) Fresh water and frac fluid/ Unknown volume released	Volume/Weight Recovered (provide units) Fresh water and frac fluid/ 190 barrels

Cause of Release **An offset frac by another operator forced fresh water and frac fluid through the casing.**

State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? <b>Greater than 25 barrels of fluid released.</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? <b>Yes, Andrea Felix to Jim Griswold, Mike Bratcher, and Robert Hamlet through email at 8:02 p.m. on October 30, 2021.</b>	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u>Chase Settle</u>	Date: <u>11/09/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b> Received by: _____ Date: _____	

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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>175</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 <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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.

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 03/16/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

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

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## Remediation Plan

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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

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

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## 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: 03/16/2022  
 email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

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

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: Jennifer Nobui Date: 03/22/2022  
 Printed Name: Jennifer Nobui Title: Environmental Specialist A

# EOG Resources

White UI #002  
P-28-18S-26E  
Site Map

## Legend

 32.71427, -104.37954



28

18S 26E

32.71427, -104.37954



# EOG Resources

White IU #2  
28-18S-26E  
Site Map w Samples

**Legend**

-  @ 1'
-  Spill Area 1
-  White UI #002



# EOG Resources

White UI #2  
P-28-18S-26E  
All Sample Points

**Legend**

-  White UI #002

18S 26E

27

- N Surface 2
- E Surface
- SP-4 @ Surf
- SP-5 @ Surf
- SP-11 NE
- S Surface 1
- SP-1 @ Surf
- SP-10 NE
- AH-2 @ 1'
- SP-9 NE
- SP-8 NE
- SP-7 NE
- W Surf 1 NE
- SP-6 NE
- AH-4 @ 1'
- SP-1 NE
- AH-3 @ 1'
- AH-5 @ 1'
- W Surf 2 N
- E Surf 2 N
- SP-2 N
- R1 Samples
- SP-2 BTM @ 8'
- Release Point 2
- B-1
- AH-6 @ 1'
- White UI #002

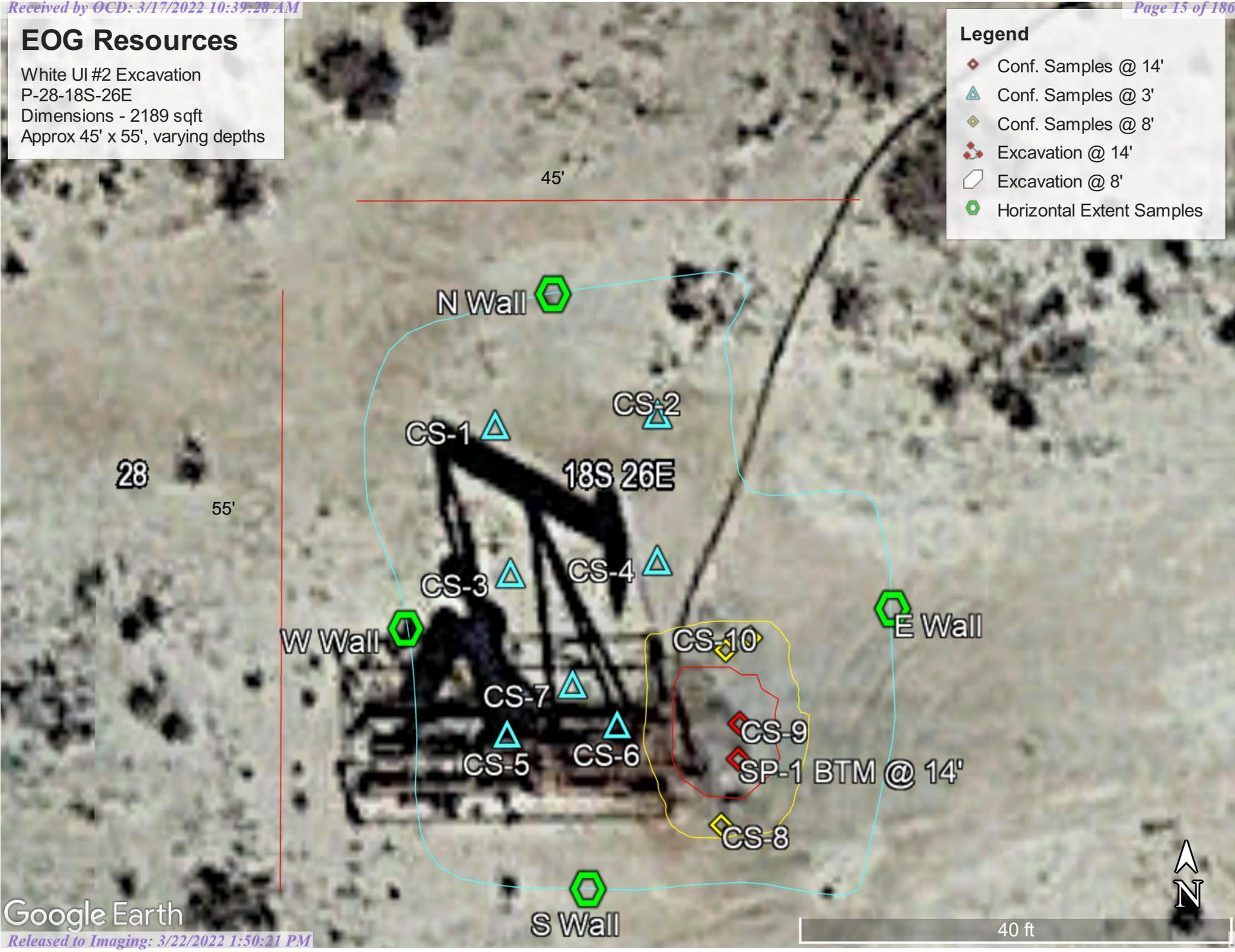


# EOG Resources

White UI #2 Excavation  
P-28-18S-26E  
Dimensions - 2189 sqft  
Approx 45' x 55', varying depths

**Legend**

- ◆ Conf. Samples @ 14'
- ▲ Conf. Samples @ 3'
- ◇ Conf. Samples @ 8'
- ⊞ Excavation @ 14'
- ◻ Excavation @ 8'
- ⊕ Horizontal Extent Samples

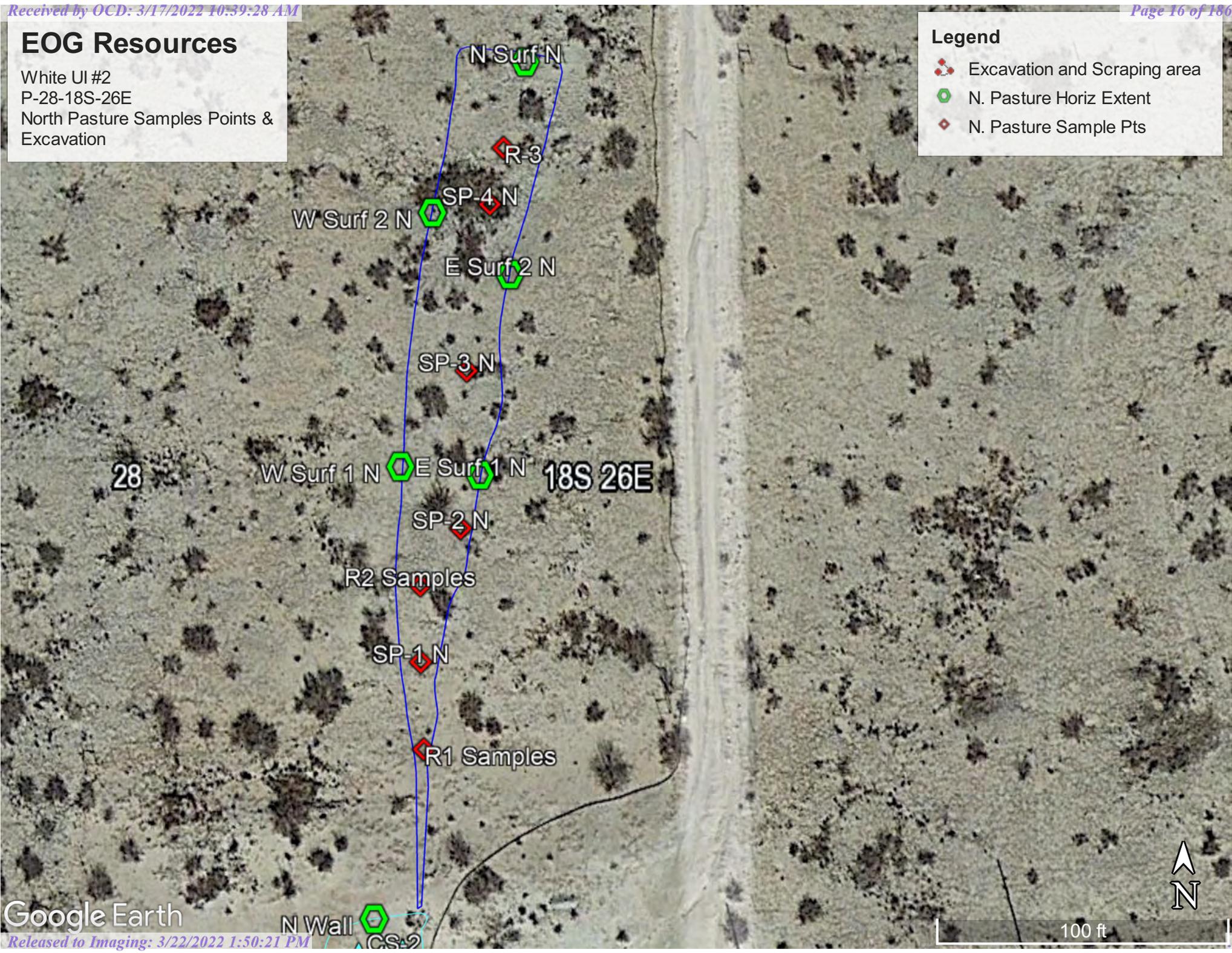


# EOG Resources

White UI #2  
P-28-18S-26E  
North Pasture Samples Points &  
Excavation

**Legend**

-  Excavation and Scraping area
-  N. Pasture Horiz Extent
-  N. Pasture Sample Pts



N Wall CS-2

# EOG Resources

White UI #2  
P-28-18S-26E  
Northeast Pasture Samples Points

**Legend**

- NE. Pasture Horiz Extent
- ◇ NE. Pasture Sample Pts

18S 26E

27

SP-11 NE

W Surf 5 NE

SP-10 NE

W Surf 4 NE

SP-9 NE

W Surf 3 NE

SP-8 NE

W Surf 2 NE

SP-7 NE

W Surf 1 NE

SP-6 NE

N Surf 2 NE

N Surf NE

N Surf 3 NE

SP-2 NE

SP-3 NE

SP-5 NE

SP-1 NE

SP-4 NE

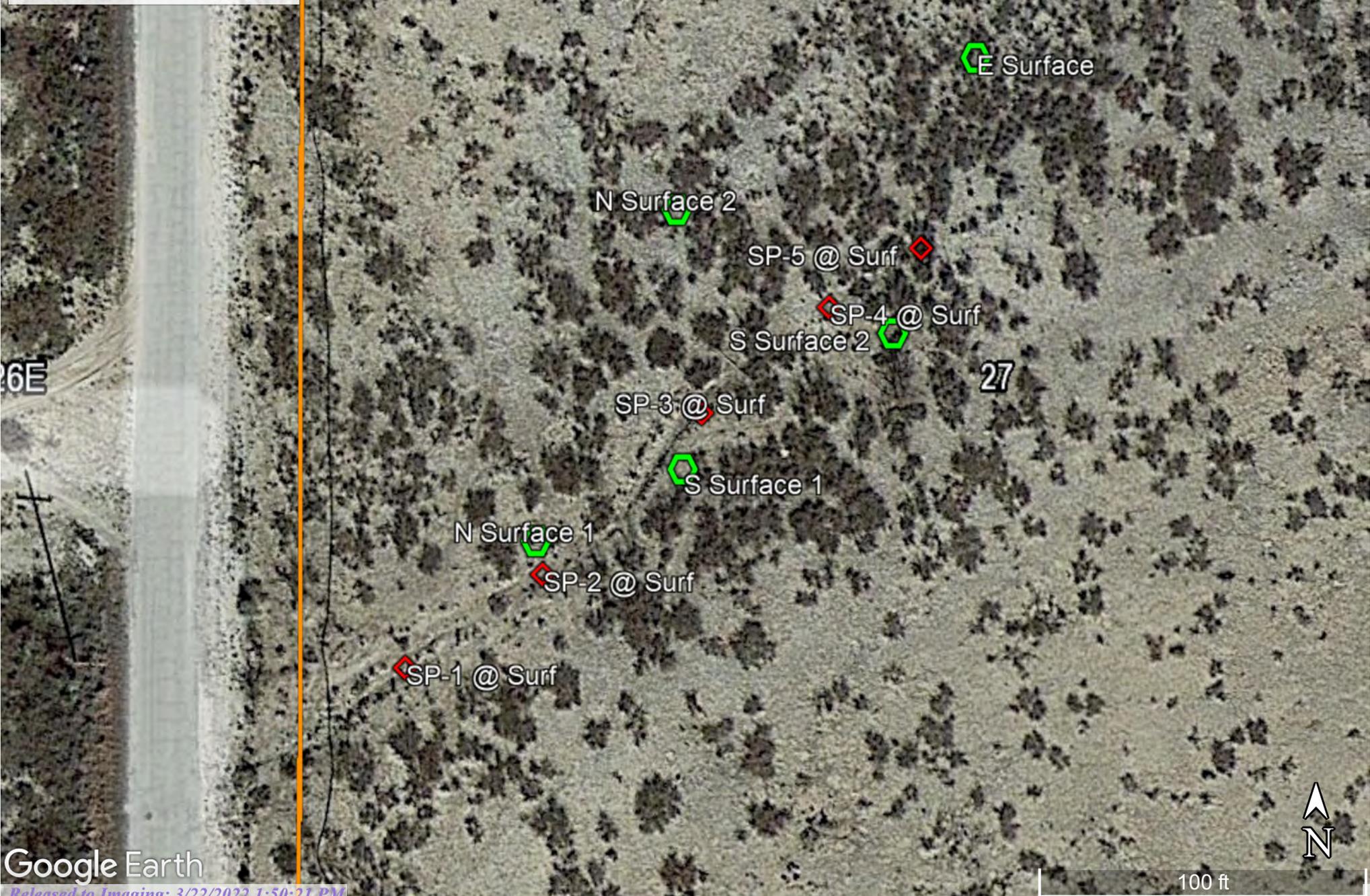


# EOG Resources

White UI #2  
P-28-18S-26E  
East Pasture Samples Points

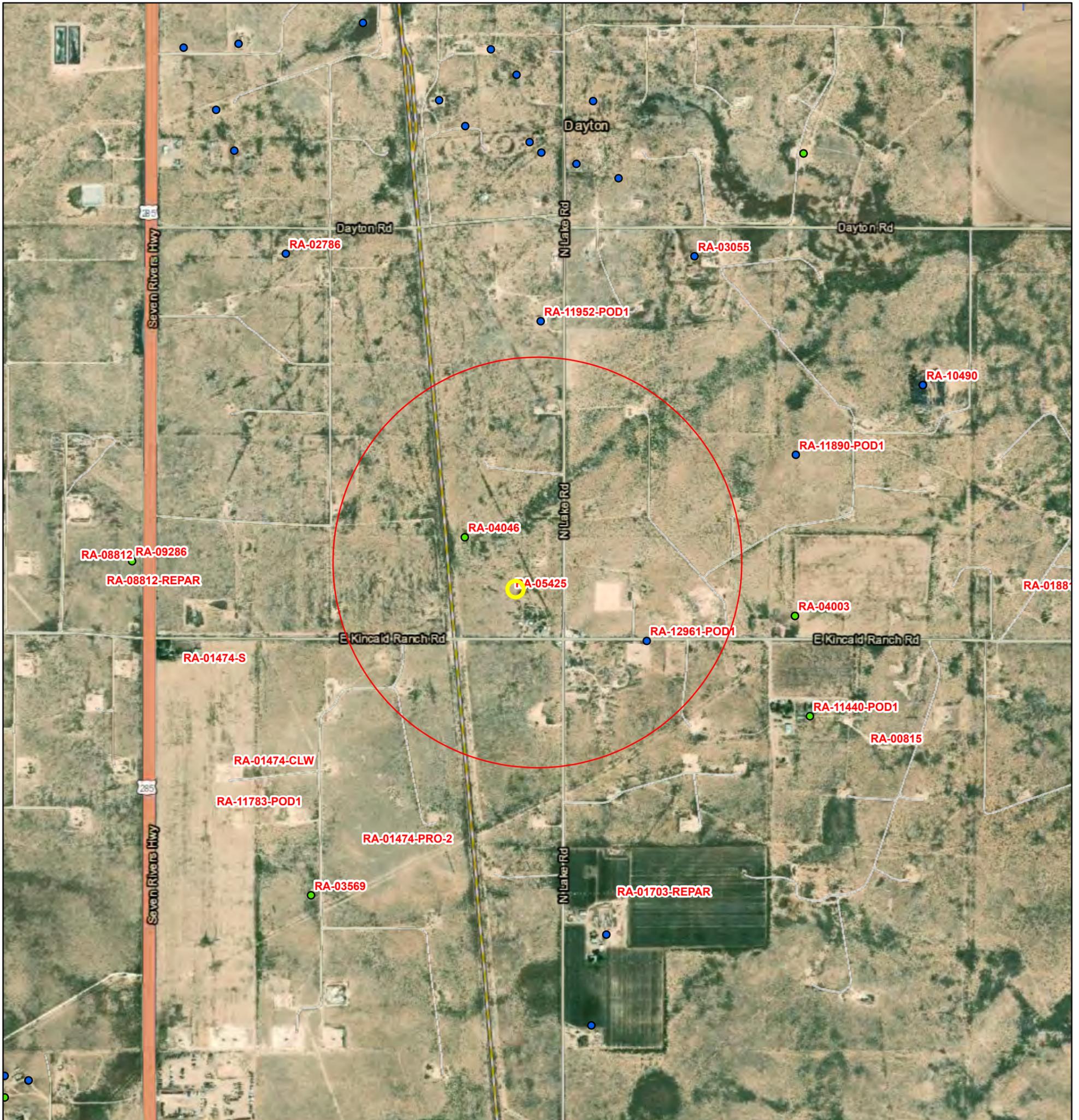
**Legend**

-  E. Pasture Horiz Extent
-  E. Pasture Sample Pts





# OSE PUBLIC PRINT

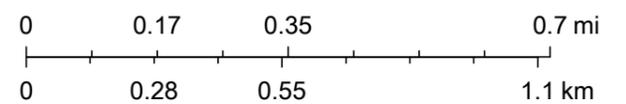


11/2/2021, 3:31:03 PM

GIS WATERS PODs

- Active
- Pending
- OSE District Boundary
- Conveyances
  - Ditch
  - SiteBoundaries

1:18,056



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



# Point of Diversion Summary

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

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 04046			4	28	18S	26E	557859	3619879*

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 7.00

Depth Well: 125 feet

Depth Water:

\*UTM location was derived from PLSS - see Help

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

11/2/21 3:34 PM

POINT OF DIVERSION SUMMARY



# Transaction Summary

72121 All Applications Under Statute 72-12-1

Transaction Number: 255197      Transaction Desc: RA 05425      File Date: 05/14/1968

**Primary Status:** PMT Permit  
**Secondary Status:** LOG Well Log Received  
**Person Assigned:** \*\*\*\*\*  
**Applicant:** CHARLES E. JURNEY

**Events**

Date	Type	Description	Comment	Processed By
05/14/1968	APP	Application Received		*****
05/15/1968	FIN	Final Action on application		*****
05/15/1968	WAP	General Approval Letter		*****
05/20/1968	LOG	Well Log Received		*****

**Change To:**

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
RA 05425		3		DOM 72-12-1 DOMESTIC ONE HOUSEHOLD
<b>**Point of Diversion</b>				
RA 05425		558060	3619677*	
*An (*) after northing value indicates UTM location was derived from PLSS - see Help				

**Remarks**

Also used for Livestock Watering.

**Conditions**

- 1A Depth of the well shall not exceed the thickness of the valley fill.
  
- 4 Use shall be limited to household, non-commercial trees, lawn and garden not to exceed one acre and/or stock use.

**Action of the State Engineer**

**\*\* See Image For Any Additional Conditions of Approval \*\***

**Approval Code:** A - Approved  
**Action Date:** 05/15/1968  
**Log Due Date:** 06/01/1969  
**State Engineer:**

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

11/2/21 3:32 PM

TRANSACTION SUMMARY



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

SECRET

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) RA12961 POD #1		WELL TAG ID NO. ID20D08		OSE FILE NO(S). RA12961	
	WELL OWNER NAME(S) MARIA A. RUIZ & JESUS MENDOZA				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS PO BOX 1474				CITY ARTESIA	STATE ZIP NM 88210
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 42	SECONDS 41.40	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
	LONGITUDE	104	22	29.86	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SECTION, 27, T18S, R26E						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD1192	NAME OF LICENSED DRILLER ANGEL SALAZAR			NAME OF WELL DRILLING COMPANY UNITED DRILLING, INC.			
	DRILLING STARTED 10/05/20	DRILLING ENDED 10/09/20	DEPTH OF COMPLETED WELL (FT) 215 FT.	BORE HOLE DEPTH (FT) 215 FT.	DEPTH WATER FIRST ENCOUNTERED (FT) 180 FT.			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 175 FT.			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	155	8 3/4		SLIP GLUE	5"	1/4	
	155	195		40 FT. .05 SCREEN		5"	1/4	.05
	195	215		BLANK PVC		5"	1/4	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	20	8 3/4	CEMENT SEAL		DUMP FROM SURFACE
	20	215		GRAVEL PACK	PEE GRAVEL	DUMP FROM SURFACE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

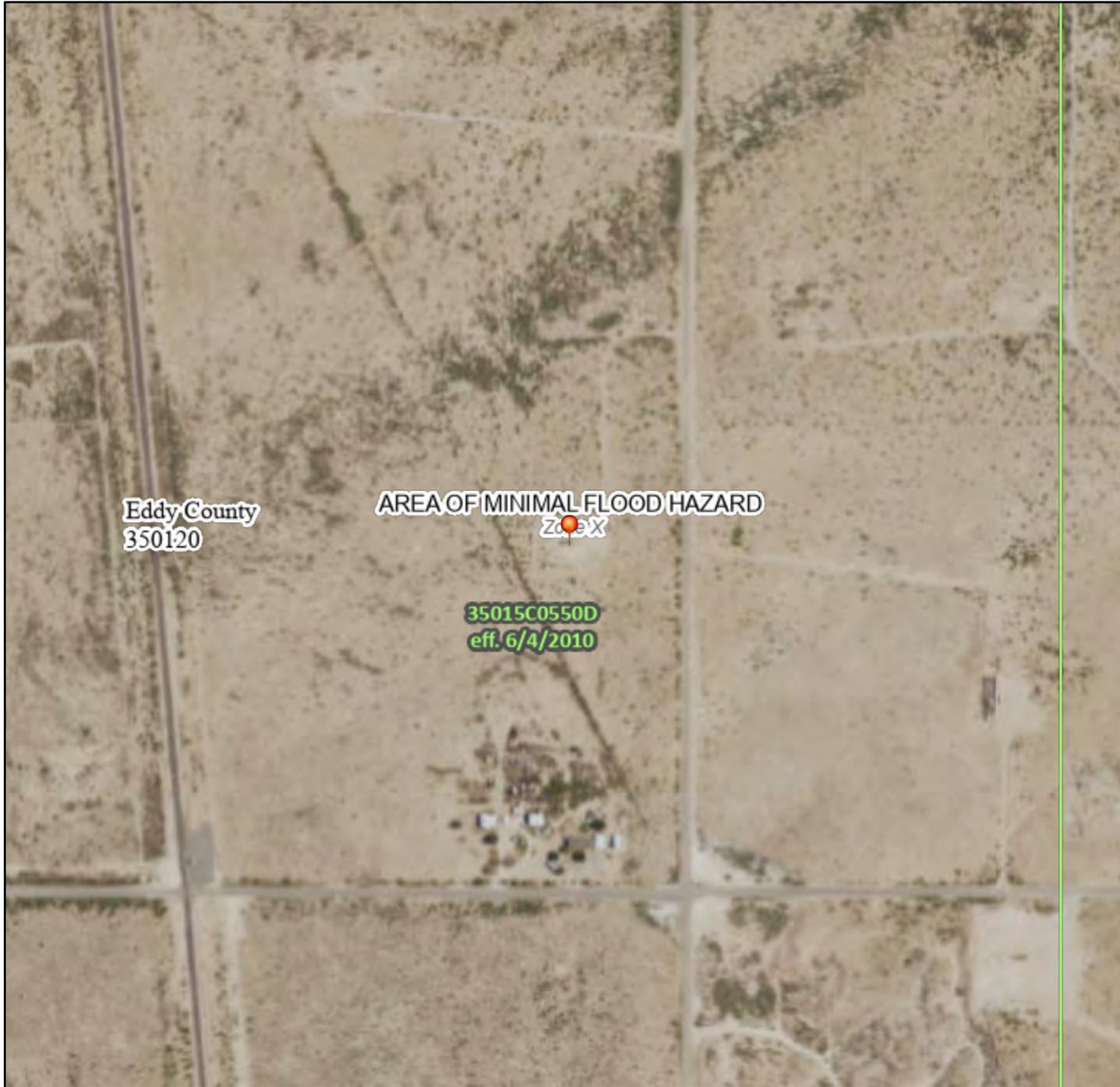
FILE NO. RA-12961	POD NO. 1	TRN NO. 679533
LOCATION 343 T18S R26E Sec 27	WELL TAG ID NO. 20D08	PAGE 1 OF 2



# National Flood Hazard Layer FIRMette



104°23'5"W 32°43'6"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
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 **11/2/2021 at 6:10 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.

# EOG Resources

White UI #002  
P-28-18S-34E  
Karst Map - Low

## Legend

-  High
-  Low
-  Medium
-  White UI #002

 White UI #002

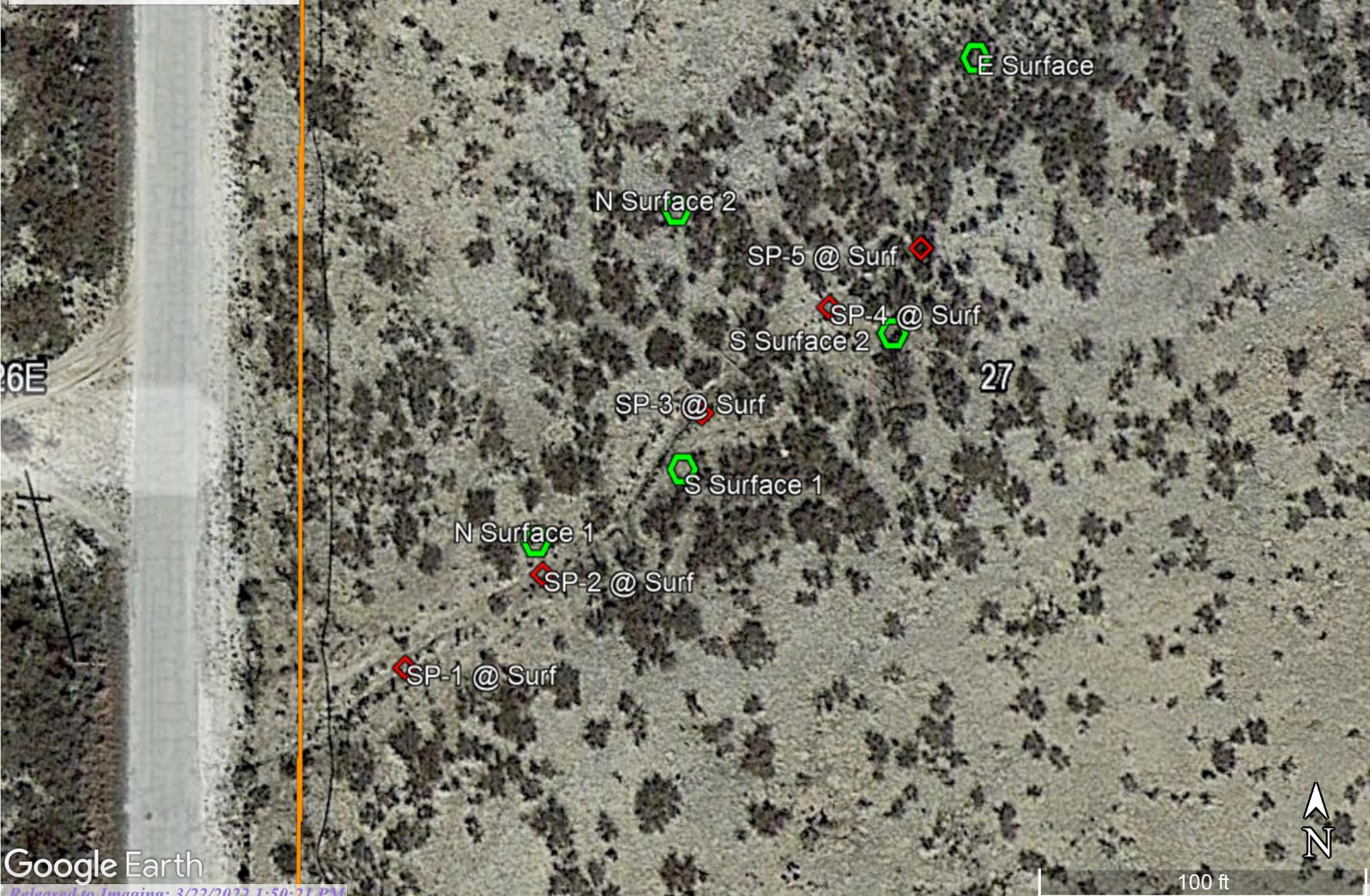


# EOG Resources

White UI #2  
P-28-18S-26E  
East Pasture Samples Points

**Legend**

- ◻ E. Pasture Horiz Extent
- ◻ E. Pasture Sample Pts





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

December 09, 2021

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX: (575) 393-4388

RE: EOG White UI 2 East Pasture

OrderNo.: 2111C01

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 10 sample(s) on 11/24/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2111C01**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-1 Surface

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 11:05:00 AM

**Lab ID:** 2111C01-001

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	280	59		mg/Kg	20	11/29/2021 7:54:50 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/30/2021 1:47:09 PM	64182
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/30/2021 1:47:09 PM	64182
Surr: DNOP	101	70-130		%Rec	1	11/30/2021 1:47:09 PM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2021 10:56:40 AM	64166
Surr: BFB	100	70-130		%Rec	1	11/29/2021 10:56:40 AM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 10:56:40 AM	64166
Toluene	ND	0.047		mg/Kg	1	11/29/2021 10:56:40 AM	64166
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2021 10:56:40 AM	64166
Xylenes, Total	ND	0.095		mg/Kg	1	11/29/2021 10:56:40 AM	64166
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	11/29/2021 10:56:40 AM	64166

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

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

**Analytical Report**

Lab Order 2111C01

Date Reported: 12/9/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-2 Surface

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 11:20:00 AM

**Lab ID:** 2111C01-002

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	270	60		mg/Kg	20	11/29/2021 8:56:52 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/30/2021 2:11:05 PM	64182
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2021 2:11:05 PM	64182
Surr: DNOP	104	70-130		%Rec	1	11/30/2021 2:11:05 PM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2021 11:20:20 AM	64166
Surr: BFB	101	70-130		%Rec	1	11/29/2021 11:20:20 AM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 11:20:20 AM	64166
Toluene	ND	0.049		mg/Kg	1	11/29/2021 11:20:20 AM	64166
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2021 11:20:20 AM	64166
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2021 11:20:20 AM	64166
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	11/29/2021 11:20:20 AM	64166

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

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

**Analytical Report**

Lab Order 2111C01

Date Reported: 12/9/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-3 Surface

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 11:35:00 AM

**Lab ID:** 2111C01-003

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 9:34:04 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/30/2021 2:34:59 PM	64182
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/30/2021 2:34:59 PM	64182
Surr: DNOP	98.9	70-130		%Rec	1	11/30/2021 2:34:59 PM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2021 11:44:08 AM	64166
Surr: BFB	103	70-130		%Rec	1	11/29/2021 11:44:08 AM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 11:44:08 AM	64166
Toluene	ND	0.048		mg/Kg	1	11/29/2021 11:44:08 AM	64166
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2021 11:44:08 AM	64166
Xylenes, Total	ND	0.095		mg/Kg	1	11/29/2021 11:44:08 AM	64166
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/29/2021 11:44:08 AM	64166

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

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

**Analytical Report**

Lab Order 2111C01

Date Reported: 12/9/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-4 Surface

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 11:45:00 AM

**Lab ID:** 2111C01-004

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 9:46:28 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/7/2021 11:34:48 AM	64182
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2021 11:34:48 AM	64182
Surr: DNOP	76.4	70-130		%Rec	1	12/7/2021 11:34:48 AM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2021 12:08:02 PM	64166
Surr: BFB	106	70-130		%Rec	1	11/29/2021 12:08:02 PM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 12:08:02 PM	64166
Toluene	ND	0.048		mg/Kg	1	11/29/2021 12:08:02 PM	64166
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2021 12:08:02 PM	64166
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2021 12:08:02 PM	64166
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/29/2021 12:08:02 PM	64166

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

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

**Analytical Report**

Lab Order 2111C01

Date Reported: 12/9/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-5 Surface

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 12:40:00 PM

**Lab ID:** 2111C01-005

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 9:58:52 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/30/2021 2:58:50 PM	64182
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2021 2:58:50 PM	64182
Surr: DNOP	103	70-130		%Rec	1	11/30/2021 2:58:50 PM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2021 12:32:02 PM	64166
Surr: BFB	108	70-130		%Rec	1	11/29/2021 12:32:02 PM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 12:32:02 PM	64166
Toluene	ND	0.048		mg/Kg	1	11/29/2021 12:32:02 PM	64166
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2021 12:32:02 PM	64166
Xylenes, Total	ND	0.095		mg/Kg	1	11/29/2021 12:32:02 PM	64166
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	11/29/2021 12:32:02 PM	64166

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

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

**Analytical Report**

Lab Order 2111C01

Date Reported: 12/9/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** North Surface 1

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 2:15:00 PM

**Lab ID:** 2111C01-006

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 10:11:17 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/7/2021 11:58:21 AM	64182
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2021 11:58:21 AM	64182
Surr: DNOP	76.7	70-130		%Rec	1	12/7/2021 11:58:21 AM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2021 12:56:05 PM	64166
Surr: BFB	109	70-130		%Rec	1	11/29/2021 12:56:05 PM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 12:56:05 PM	64166
Toluene	ND	0.047		mg/Kg	1	11/29/2021 12:56:05 PM	64166
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2021 12:56:05 PM	64166
Xylenes, Total	ND	0.094		mg/Kg	1	11/29/2021 12:56:05 PM	64166
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	11/29/2021 12:56:05 PM	64166

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

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

**Analytical Report**

Lab Order 2111C01

Date Reported: 12/9/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** North Surface 2

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 2:30:00 PM

**Lab ID:** 2111C01-007

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 10:23:41 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2021 3:22:40 PM	64182
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2021 3:22:40 PM	64182
Surr: DNOP	101	70-130		%Rec	1	11/30/2021 3:22:40 PM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/29/2021 1:19:27 PM	64166
Surr: BFB	104	70-130		%Rec	1	11/29/2021 1:19:27 PM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	11/29/2021 1:19:27 PM	64166
Toluene	ND	0.050		mg/Kg	1	11/29/2021 1:19:27 PM	64166
Ethylbenzene	ND	0.050		mg/Kg	1	11/29/2021 1:19:27 PM	64166
Xylenes, Total	ND	0.10		mg/Kg	1	11/29/2021 1:19:27 PM	64166
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	11/29/2021 1:19:27 PM	64166

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

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

**Analytical Report**

Lab Order 2111C01

Date Reported: 12/9/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** South Surface 1

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 2:45:00 PM

**Lab ID:** 2111C01-008

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 11:00:54 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/7/2021 12:21:55 PM	64182
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/7/2021 12:21:55 PM	64182
Surr: DNOP	74.2	70-130		%Rec	1	12/7/2021 12:21:55 PM	64182
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2021 1:42:44 PM	64166
Surr: BFB	104	70-130		%Rec	1	11/29/2021 1:42:44 PM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 1:42:44 PM	64166
Toluene	ND	0.049		mg/Kg	1	11/29/2021 1:42:44 PM	64166
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2021 1:42:44 PM	64166
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2021 1:42:44 PM	64166
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	11/29/2021 1:42:44 PM	64166

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

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

**Analytical Report**

Lab Order **2111C01**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** South Surface 2

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 2:55:00 PM

**Lab ID:** 2111C01-009

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 11:13:19 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/30/2021 10:36:12 AM	64198
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2021 10:36:12 AM	64198
Surr: DNOP	88.9	70-130		%Rec	1	11/30/2021 10:36:12 AM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2021 2:06:18 PM	64166
Surr: BFB	99.0	70-130		%Rec	1	11/29/2021 2:06:18 PM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	11/29/2021 2:06:18 PM	64166
Toluene	ND	0.049		mg/Kg	1	11/29/2021 2:06:18 PM	64166
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2021 2:06:18 PM	64166
Xylenes, Total	ND	0.099		mg/Kg	1	11/29/2021 2:06:18 PM	64166
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	11/29/2021 2:06:18 PM	64166

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

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

**Analytical Report**

Lab Order **2111C01**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** East Surface

**Project:** EOG White UI 2 East Pasture

**Collection Date:** 11/23/2021 3:10:00 PM

**Lab ID:** 2111C01-010

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	11/29/2021 11:25:43 PM	64204
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/30/2021 10:59:51 AM	64198
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2021 10:59:51 AM	64198
Surr: DNOP	98.1	70-130		%Rec	1	11/30/2021 10:59:51 AM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2021 3:40:12 PM	64166
Surr: BFB	98.4	70-130		%Rec	1	11/29/2021 3:40:12 PM	64166
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/29/2021 3:40:12 PM	64166
Toluene	ND	0.048		mg/Kg	1	11/29/2021 3:40:12 PM	64166
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2021 3:40:12 PM	64166
Xylenes, Total	ND	0.096		mg/Kg	1	11/29/2021 3:40:12 PM	64166
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	11/29/2021 3:40:12 PM	64166

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111C01

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 East Pasture

Sample ID: <b>MB-64204</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64204</b>	RunNo: <b>83157</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/29/2021</b>	SeqNo: <b>2954392</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64204</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64204</b>	RunNo: <b>83157</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/29/2021</b>	SeqNo: <b>2954393</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	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 interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111C01

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 East Pasture

Sample ID: <b>MB-64198</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64198</b>	RunNo: <b>83163</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954780</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.7	70	130			

Sample ID: <b>LCS-64198</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64198</b>	RunNo: <b>83163</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954791</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.4	68.9	135			
Surr: DNOP	4.6		5.000		91.6	70	130			

Sample ID: <b>LCS-64182</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64182</b>	RunNo: <b>83166</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954832</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.7	68.9	135			
Surr: DNOP	4.4		5.000		88.6	70	130			

Sample ID: <b>MB-64182</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64182</b>	RunNo: <b>83166</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954833</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		93.4	70	130			

Sample ID: <b>2111C01-009AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>South Surface 2</b>	Batch ID: <b>64198</b>	RunNo: <b>83164</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954847</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	49.95	0	79.5	39.3	155	0.906	23.4	
Surr: DNOP	3.4		4.995		67.1	70	130	0	0	S

**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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111C01

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 East Pasture

Sample ID: <b>2111C01-009AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>South Surface 2</b>	Batch ID: <b>64198</b>	RunNo: <b>83164</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954851</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.5	47.71	0	84.0	39.3	155			
Surr: DNOP	3.4		4.771		71.9	70	130			

Sample ID: <b>LCS-64215</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64215</b>	RunNo: <b>83211</b>								
Prep Date: <b>11/30/2021</b>	Analysis Date: <b>12/2/2021</b>	SeqNo: <b>2956906</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		78.4	70	130			

Sample ID: <b>LCS-64223</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64223</b>	RunNo: <b>83211</b>								
Prep Date: <b>11/30/2021</b>	Analysis Date: <b>12/1/2021</b>	SeqNo: <b>2956907</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		83.7	70	130			

Sample ID: <b>LCS-64225</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64225</b>	RunNo: <b>83211</b>								
Prep Date: <b>11/30/2021</b>	Analysis Date: <b>12/1/2021</b>	SeqNo: <b>2956908</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5		5.000		89.3	70	130			

Sample ID: <b>MB-64223</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64223</b>	RunNo: <b>83211</b>								
Prep Date: <b>11/30/2021</b>	Analysis Date: <b>12/1/2021</b>	SeqNo: <b>2956910</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		134	70	130			S

Sample ID: <b>MB-64225</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64225</b>	RunNo: <b>83211</b>								
Prep Date: <b>11/30/2021</b>	Analysis Date: <b>12/1/2021</b>	SeqNo: <b>2956911</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		104	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111C01

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 East Pasture

Sample ID: <b>mb-64166</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64166</b>		RunNo: <b>83144</b>							
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>11/29/2021</b>		SeqNo: <b>2953865</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.9	70	130			

Sample ID: <b>ics-64166</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64166</b>		RunNo: <b>83144</b>							
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>11/29/2021</b>		SeqNo: <b>2953866</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.1	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: <b>mb-64196</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64196</b>		RunNo: <b>83185</b>							
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>		SeqNo: <b>2955215</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.3	70	130			

Sample ID: <b>ics-64196</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64196</b>		RunNo: <b>83185</b>							
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>		SeqNo: <b>2955216</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		113	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111C01

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 East Pasture

Sample ID: <b>mb-64166</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64166</b>	RunNo: <b>83144</b>								
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>11/29/2021</b>	SeqNo: <b>2953909</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.7	70	130			

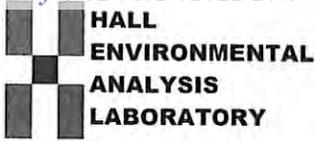
Sample ID: <b>LCS-64166</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64166</b>	RunNo: <b>83144</b>								
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>11/29/2021</b>	SeqNo: <b>2953910</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.0	80	120			
Toluene	0.94	0.050	1.000	0	94.2	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: <b>mb-64196</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64196</b>	RunNo: <b>83185</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2955257</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	70	130			

Sample ID: <b>LCS-64196</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64196</b>	RunNo: <b>83185</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2955258</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions Work Order Number: 2111C01 RcptNo: 1

Received By: Cheyenne Cason 11/24/2021 7:43:00 AM
Completed By: Sean Livingston 11/24/2021 8:10:02 AM
Reviewed By: jn 11/24/21

Handwritten signatures: Cason, Sean Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: [signature] 11/24/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Rows 1 and 2.

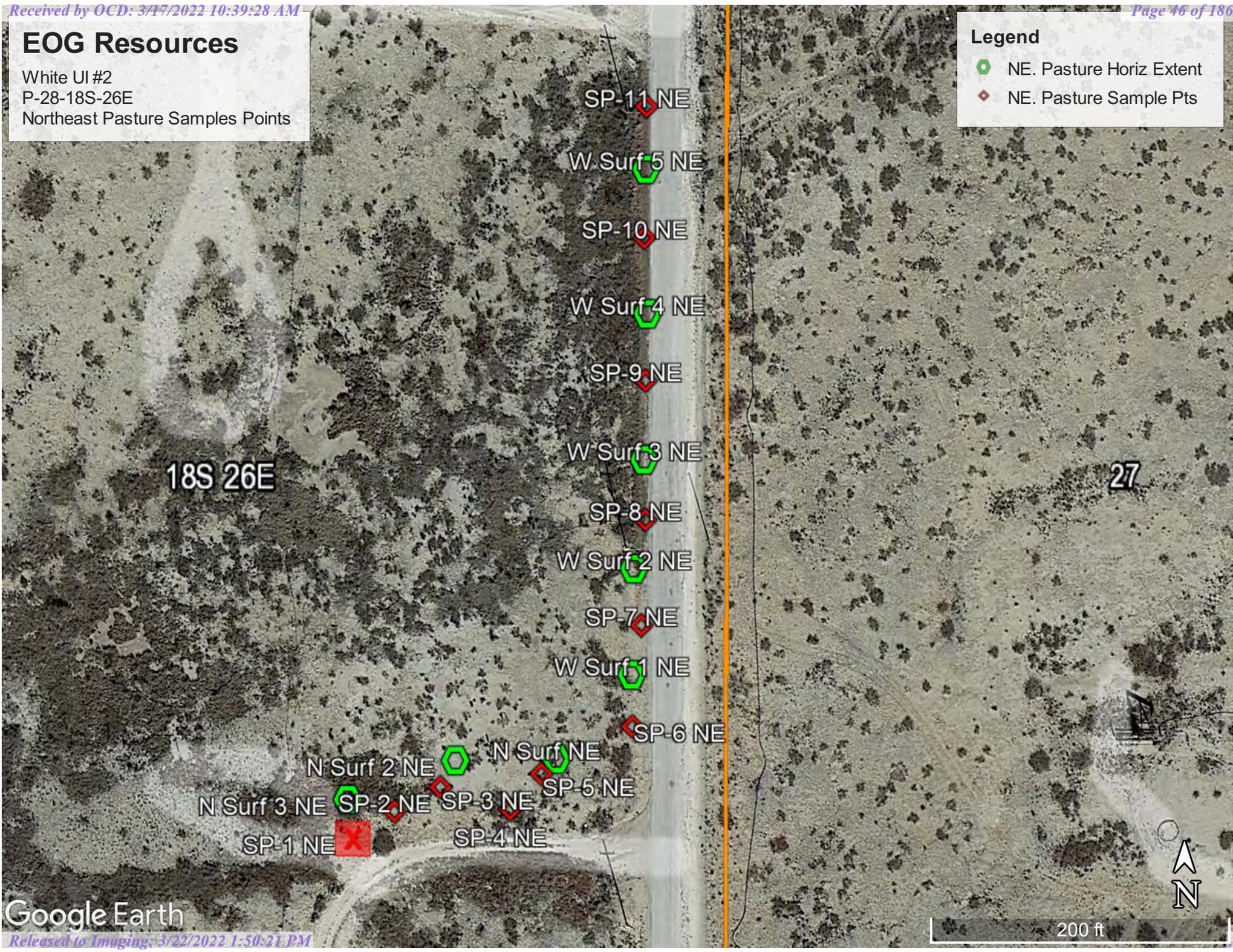


# EOG Resources

White UI #2  
P-28-18S-26E  
Northeast Pasture Samples Points

**Legend**

- NE. Pasture Horiz Extent
- ◇ NE. Pasture Sample Pts





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

December 09, 2021

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX: (575) 393-4388

RE: EOG White UI 2 NE Pasture

OrderNo.: 2112087

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 19 sample(s) on 12/2/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-6 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 9:45:00 AM

**Lab ID:** 2112087-001

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	160	60		mg/Kg	20	12/3/2021 9:17:59 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/6/2021 11:10:11 AM	64286
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/6/2021 11:10:11 AM	64286
Surr: DNOP	87.9	70-130		%Rec	1	12/6/2021 11:10:11 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/3/2021 9:19:00 AM	64265
Surr: BFB	101	70-130		%Rec	1	12/3/2021 9:19:00 AM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 9:19:00 AM	64265
Toluene	ND	0.050		mg/Kg	1	12/3/2021 9:19:00 AM	64265
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2021 9:19:00 AM	64265
Xylenes, Total	ND	0.10		mg/Kg	1	12/3/2021 9:19:00 AM	64265
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	12/3/2021 9:19:00 AM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-7 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 9:55:00 AM

**Lab ID:** 2112087-002

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 9:30:19 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/4/2021 4:56:19 AM	64286
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2021 4:56:19 AM	64286
Surr: DNOP	80.7	70-130		%Rec	1	12/4/2021 4:56:19 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/3/2021 10:18:00 AM	64265
Surr: BFB	98.1	70-130		%Rec	1	12/3/2021 10:18:00 AM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	12/3/2021 10:18:00 AM	64265
Toluene	ND	0.047		mg/Kg	1	12/3/2021 10:18:00 AM	64265
Ethylbenzene	ND	0.047		mg/Kg	1	12/3/2021 10:18:00 AM	64265
Xylenes, Total	ND	0.094		mg/Kg	1	12/3/2021 10:18:00 AM	64265
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	12/3/2021 10:18:00 AM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-8 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 10:15:00 AM

**Lab ID:** 2112087-003

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 10:07:23 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/4/2021 5:06:43 AM	64286
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/4/2021 5:06:43 AM	64286
Surr: DNOP	83.3	70-130		%Rec	1	12/4/2021 5:06:43 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/3/2021 10:38:00 AM	64265
Surr: BFB	99.6	70-130		%Rec	1	12/3/2021 10:38:00 AM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 10:38:00 AM	64265
Toluene	ND	0.048		mg/Kg	1	12/3/2021 10:38:00 AM	64265
Ethylbenzene	ND	0.048		mg/Kg	1	12/3/2021 10:38:00 AM	64265
Xylenes, Total	ND	0.096		mg/Kg	1	12/3/2021 10:38:00 AM	64265
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	12/3/2021 10:38:00 AM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-9 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 10:30:00 AM

**Lab ID:** 2112087-004

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	160	59		mg/Kg	20	12/3/2021 10:19:44 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/6/2021 11:20:34 AM	64286
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/6/2021 11:20:34 AM	64286
Surr: DNOP	96.2	70-130		%Rec	1	12/6/2021 11:20:34 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/3/2021 10:57:00 AM	64265
Surr: BFB	99.4	70-130		%Rec	1	12/3/2021 10:57:00 AM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 10:57:00 AM	64265
Toluene	ND	0.048		mg/Kg	1	12/3/2021 10:57:00 AM	64265
Ethylbenzene	ND	0.048		mg/Kg	1	12/3/2021 10:57:00 AM	64265
Xylenes, Total	ND	0.097		mg/Kg	1	12/3/2021 10:57:00 AM	64265
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	12/3/2021 10:57:00 AM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-10 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 10:55:00 AM

**Lab ID:** 2112087-005

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 10:32:05 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/6/2021 11:31:01 AM	64286
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/6/2021 11:31:01 AM	64286
Surr: DNOP	100	70-130		%Rec	1	12/6/2021 11:31:01 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/3/2021 11:17:00 AM	64265
Surr: BFB	99.2	70-130		%Rec	1	12/3/2021 11:17:00 AM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 11:17:00 AM	64265
Toluene	ND	0.050		mg/Kg	1	12/3/2021 11:17:00 AM	64265
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2021 11:17:00 AM	64265
Xylenes, Total	ND	0.099		mg/Kg	1	12/3/2021 11:17:00 AM	64265
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	12/3/2021 11:17:00 AM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-11 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 11:10:00 AM

**Lab ID:** 2112087-006

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 10:44:25 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	11	9.5		mg/Kg	1	12/6/2021 11:41:29 AM	64286
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/6/2021 11:41:29 AM	64286
Surr: DNOP	106	70-130		%Rec	1	12/6/2021 11:41:29 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/3/2021 11:37:00 AM	64265
Surr: BFB	100	70-130		%Rec	1	12/3/2021 11:37:00 AM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 11:37:00 AM	64265
Toluene	ND	0.048		mg/Kg	1	12/3/2021 11:37:00 AM	64265
Ethylbenzene	ND	0.048		mg/Kg	1	12/3/2021 11:37:00 AM	64265
Xylenes, Total	ND	0.096		mg/Kg	1	12/3/2021 11:37:00 AM	64265
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	12/3/2021 11:37:00 AM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Surface 1

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 11:25:00 AM

**Lab ID:** 2112087-007

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 10:56:47 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/6/2021 11:52:00 AM	64286
Motor Oil Range Organics (MRO)	58	48		mg/Kg	1	12/6/2021 11:52:00 AM	64286
Surr: DNOP	89.3	70-130		%Rec	1	12/6/2021 11:52:00 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/3/2021 11:56:00 AM	64265
Surr: BFB	104	70-130		%Rec	1	12/3/2021 11:56:00 AM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 11:56:00 AM	64265
Toluene	ND	0.049		mg/Kg	1	12/3/2021 11:56:00 AM	64265
Ethylbenzene	ND	0.049		mg/Kg	1	12/3/2021 11:56:00 AM	64265
Xylenes, Total	ND	0.098		mg/Kg	1	12/3/2021 11:56:00 AM	64265
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	12/3/2021 11:56:00 AM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Surface 2

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 11:45:00 AM

**Lab ID:** 2112087-008

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 11:09:08 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/6/2021 4:18:50 PM	64286
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/6/2021 4:18:50 PM	64286
Surr: DNOP	92.0	70-130		%Rec	1	12/6/2021 4:18:50 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/3/2021 12:16:00 PM	64265
Surr: BFB	95.9	70-130		%Rec	1	12/3/2021 12:16:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 12:16:00 PM	64265
Toluene	ND	0.050		mg/Kg	1	12/3/2021 12:16:00 PM	64265
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2021 12:16:00 PM	64265
Xylenes, Total	ND	0.099		mg/Kg	1	12/3/2021 12:16:00 PM	64265
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	12/3/2021 12:16:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Surface 3

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 12:15:00 PM

**Lab ID:** 2112087-009

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	61		mg/Kg	20	12/3/2021 11:21:28 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/6/2021 5:06:08 PM	64286
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/6/2021 5:06:08 PM	64286
Surr: DNOP	91.1	70-130		%Rec	1	12/6/2021 5:06:08 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/3/2021 12:36:00 PM	64265
Surr: BFB	87.6	70-130		%Rec	1	12/3/2021 12:36:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 12:36:00 PM	64265
Toluene	ND	0.048		mg/Kg	1	12/3/2021 12:36:00 PM	64265
Ethylbenzene	ND	0.048		mg/Kg	1	12/3/2021 12:36:00 PM	64265
Xylenes, Total	ND	0.097		mg/Kg	1	12/3/2021 12:36:00 PM	64265
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	12/3/2021 12:36:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Surface 4

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 12:35:00 PM

**Lab ID:** 2112087-010

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 11:33:49 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/6/2021 5:53:12 PM	64286
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/6/2021 5:53:12 PM	64286
Surr: DNOP	96.1	70-130		%Rec	1	12/6/2021 5:53:12 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/3/2021 1:35:00 PM	64265
Surr: BFB	94.5	70-130		%Rec	1	12/3/2021 1:35:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 1:35:00 PM	64265
Toluene	ND	0.050		mg/Kg	1	12/3/2021 1:35:00 PM	64265
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2021 1:35:00 PM	64265
Xylenes, Total	ND	0.10		mg/Kg	1	12/3/2021 1:35:00 PM	64265
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	12/3/2021 1:35:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Surface 5

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/30/2021 12:55:00 PM

**Lab ID:** 2112087-011

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 11:46:10 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/6/2021 1:39:12 PM	64286
Motor Oil Range Organics (MRO)	86	49		mg/Kg	1	12/6/2021 1:39:12 PM	64286
Surr: DNOP	95.9	70-130		%Rec	1	12/6/2021 1:39:12 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/3/2021 1:54:00 PM	64265
Surr: BFB	91.6	70-130		%Rec	1	12/3/2021 1:54:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 1:54:00 PM	64265
Toluene	ND	0.049		mg/Kg	1	12/3/2021 1:54:00 PM	64265
Ethylbenzene	ND	0.049		mg/Kg	1	12/3/2021 1:54:00 PM	64265
Xylenes, Total	ND	0.099		mg/Kg	1	12/3/2021 1:54:00 PM	64265
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	12/3/2021 1:54:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-1 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 10:30:00 AM

**Lab ID:** 2112087-012

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 11:58:31 PM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/6/2021 3:07:31 PM	64286
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/6/2021 3:07:31 PM	64286
Surr: DNOP	98.5	70-130		%Rec	1	12/6/2021 3:07:31 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/3/2021 2:14:00 PM	64265
Surr: BFB	88.3	70-130		%Rec	1	12/3/2021 2:14:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 2:14:00 PM	64265
Toluene	ND	0.048		mg/Kg	1	12/3/2021 2:14:00 PM	64265
Ethylbenzene	ND	0.048		mg/Kg	1	12/3/2021 2:14:00 PM	64265
Xylenes, Total	ND	0.096		mg/Kg	1	12/3/2021 2:14:00 PM	64265
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	12/3/2021 2:14:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-2 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 10:50:00 AM

**Lab ID:** 2112087-013

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	160	59		mg/Kg	20	12/4/2021 12:35:34 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/6/2021 2:00:21 PM	64286
Motor Oil Range Organics (MRO)	64	49		mg/Kg	1	12/6/2021 2:00:21 PM	64286
Surr: DNOP	90.8	70-130		%Rec	1	12/6/2021 2:00:21 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/3/2021 2:34:00 PM	64265
Surr: BFB	91.5	70-130		%Rec	1	12/3/2021 2:34:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 2:34:00 PM	64265
Toluene	ND	0.048		mg/Kg	1	12/3/2021 2:34:00 PM	64265
Ethylbenzene	ND	0.048		mg/Kg	1	12/3/2021 2:34:00 PM	64265
Xylenes, Total	ND	0.096		mg/Kg	1	12/3/2021 2:34:00 PM	64265
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	12/3/2021 2:34:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-3 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 11:25:00 AM

**Lab ID:** 2112087-014

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/4/2021 12:47:54 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	12/4/2021 7:03:29 AM	64286
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/4/2021 7:03:29 AM	64286
Surr: DNOP	88.1	70-130		%Rec	1	12/4/2021 7:03:29 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/3/2021 2:53:00 PM	64265
Surr: BFB	95.2	70-130		%Rec	1	12/3/2021 2:53:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 2:53:00 PM	64265
Toluene	ND	0.049		mg/Kg	1	12/3/2021 2:53:00 PM	64265
Ethylbenzene	ND	0.049		mg/Kg	1	12/3/2021 2:53:00 PM	64265
Xylenes, Total	ND	0.099		mg/Kg	1	12/3/2021 2:53:00 PM	64265
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	12/3/2021 2:53:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-4 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 12:05:00 PM

**Lab ID:** 2112087-015

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	160	60		mg/Kg	20	12/4/2021 1:00:15 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/6/2021 2:21:33 PM	64286
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/6/2021 2:21:33 PM	64286
Surr: DNOP	88.8	70-130		%Rec	1	12/6/2021 2:21:33 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/3/2021 3:13:00 PM	64265
Surr: BFB	96.3	70-130		%Rec	1	12/3/2021 3:13:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 3:13:00 PM	64265
Toluene	ND	0.047		mg/Kg	1	12/3/2021 3:13:00 PM	64265
Ethylbenzene	ND	0.047		mg/Kg	1	12/3/2021 3:13:00 PM	64265
Xylenes, Total	ND	0.094		mg/Kg	1	12/3/2021 3:13:00 PM	64265
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	12/3/2021 3:13:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-5 Surface

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 1:15:00 PM

**Lab ID:** 2112087-016

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	160	60		mg/Kg	20	12/4/2021 1:12:36 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	12/6/2021 2:42:43 PM	64286
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/6/2021 2:42:43 PM	64286
Surr: DNOP	88.8	70-130		%Rec	1	12/6/2021 2:42:43 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/3/2021 3:33:00 PM	64265
Surr: BFB	98.9	70-130		%Rec	1	12/3/2021 3:33:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.025		mg/Kg	1	12/3/2021 3:33:00 PM	64265
Toluene	ND	0.050		mg/Kg	1	12/3/2021 3:33:00 PM	64265
Ethylbenzene	ND	0.050		mg/Kg	1	12/3/2021 3:33:00 PM	64265
Xylenes, Total	ND	0.099		mg/Kg	1	12/3/2021 3:33:00 PM	64265
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	12/3/2021 3:33:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** North Surface 1

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 1:30:00 PM

**Lab ID:** 2112087-017

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/4/2021 1:24:57 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/6/2021 3:31:19 PM	64286
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/6/2021 3:31:19 PM	64286
Surr: DNOP	98.7	70-130		%Rec	1	12/6/2021 3:31:19 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/3/2021 3:52:00 PM	64265
Surr: BFB	99.1	70-130		%Rec	1	12/3/2021 3:52:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	12/3/2021 3:52:00 PM	64265
Toluene	ND	0.047		mg/Kg	1	12/3/2021 3:52:00 PM	64265
Ethylbenzene	ND	0.047		mg/Kg	1	12/3/2021 3:52:00 PM	64265
Xylenes, Total	ND	0.093		mg/Kg	1	12/3/2021 3:52:00 PM	64265
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	12/3/2021 3:52:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** North Surface 2

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 1:55:00 PM

**Lab ID:** 2112087-018

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	160	60		mg/Kg	20	12/4/2021 1:37:17 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/6/2021 3:03:58 PM	64286
Motor Oil Range Organics (MRO)	52	50		mg/Kg	1	12/6/2021 3:03:58 PM	64286
Surr: DNOP	96.1	70-130		%Rec	1	12/6/2021 3:03:58 PM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/3/2021 4:12:00 PM	64265
Surr: BFB	86.3	70-130		%Rec	1	12/3/2021 4:12:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	12/3/2021 4:12:00 PM	64265
Toluene	ND	0.047		mg/Kg	1	12/3/2021 4:12:00 PM	64265
Ethylbenzene	ND	0.047		mg/Kg	1	12/3/2021 4:12:00 PM	64265
Xylenes, Total	ND	0.093		mg/Kg	1	12/3/2021 4:12:00 PM	64265
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	1	12/3/2021 4:12:00 PM	64265

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

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

**Analytical Report**

Lab Order **2112087**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** North Surface 3

**Project:** EOG White UI 2 NE Pasture

**Collection Date:** 11/29/2021 2:15:00 PM

**Lab ID:** 2112087-019

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	12/4/2021 1:49:39 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/4/2021 7:56:23 AM	64286
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/4/2021 7:56:23 AM	64286
Surr: DNOP	79.9	70-130		%Rec	1	12/4/2021 7:56:23 AM	64286
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/3/2021 4:31:00 PM	64265
Surr: BFB	97.2	70-130		%Rec	1	12/3/2021 4:31:00 PM	64265
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.024		mg/Kg	1	12/3/2021 4:31:00 PM	64265
Toluene	ND	0.049		mg/Kg	1	12/3/2021 4:31:00 PM	64265
Ethylbenzene	ND	0.049		mg/Kg	1	12/3/2021 4:31:00 PM	64265
Xylenes, Total	ND	0.097		mg/Kg	1	12/3/2021 4:31:00 PM	64265
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	12/3/2021 4:31:00 PM	64265

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112087

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 NE Pasture

Sample ID: <b>MB-64308</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64308</b>	RunNo: <b>84298</b>								
Prep Date: <b>12/6/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960918</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64308</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64308</b>	RunNo: <b>84298</b>								
Prep Date: <b>12/6/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960919</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	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 interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112087

09-Dec-21

**Client:** Safety & Environmental Solutions  
**Project:** EOG White UI 2 NE Pasture

Sample ID: <b>MB-64286</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64286</b>	RunNo: <b>83273</b>								
Prep Date: <b>12/3/2021</b>	Analysis Date: <b>12/4/2021</b>	SeqNo: <b>2960702</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		85.6	70	130			

Sample ID: <b>LCS-64286</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64286</b>	RunNo: <b>84305</b>								
Prep Date: <b>12/3/2021</b>	Analysis Date: <b>12/6/2021</b>	SeqNo: <b>2962351</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.8	68.9	135			
Surr: DNOP	4.4		5.000		87.4	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112087

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 NE Pasture

Sample ID: <b>ics-64265</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64265</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959285</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.2	78.6	131			
Surr: BFB	1200		1000		117	70	130			

Sample ID: <b>mb-64265</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64265</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959286</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112087

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 NE Pasture

Sample ID: <b>ics-64265</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64265</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959254</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.9	80	120			
Toluene	1.0	0.050	1.000	0	99.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	70	130			

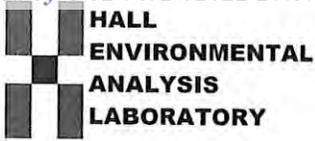
Sample ID: <b>mb-64265</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64265</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959255</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	70	130			

Sample ID: <b>2112087-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SP-6 Surface</b>	Batch ID: <b>64265</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959257</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9930	0	105	80	120			
Toluene	1.1	0.050	0.9930	0	108	80	120			
Ethylbenzene	1.1	0.050	0.9930	0	112	80	120			
Xylenes, Total	3.3	0.099	2.979	0	110	80	120			
Surr: 4-Bromofluorobenzene	0.92		0.9930		92.5	70	130			

Sample ID: <b>2112087-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SP-6 Surface</b>	Batch ID: <b>64265</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959258</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9930	0	101	80	120	4.58	20	
Toluene	1.0	0.050	0.9930	0	104	80	120	3.63	20	
Ethylbenzene	1.1	0.050	0.9930	0	108	80	120	3.20	20	
Xylenes, Total	3.2	0.099	2.979	0	107	80	120	3.21	20	
Surr: 4-Bromofluorobenzene	0.93		0.9930		93.5	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 interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions Work Order Number: 2112087 RcptNo: 1

Received By: Cheyenne Cason 12/2/2021 8:00:00 AM

Handwritten signature

Completed By: Sean Livingston 12/2/2021 8:24:07 AM

Handwritten signature

Reviewed By: KPG 12/02/21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: JAL 12/2/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: Date: By Whom: Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person Regarding: Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Rows 1-3.

### Chain-of-Custody Record

Client: Safety + Environmental Solutions  
 Mailing Address: 703 E Clinton Hobbs N.M 88240  
 Phone #: 575-397-0510  
 email or Fax#: \_\_\_\_\_  
 QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  NELAC  Other  
 EDD (Type) \_\_\_\_\_

Turn-Around Time:  Standard  Rush  
 Project Name: EOG WATERSHED PASTURE  
 Project #: EOG-21-003  
 Project Manager: Allen Job  
 Sampler: Sara Jerny  
 On Ice:  Yes  No  
 # of Coolers: 3  
 Cooler Temp (including CF): See Remarks (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/30	0945	S	SP-6 Surface	1	For	2112087-001
	0955	S	SP-7 Surface	1	Need	002
	1015	S	SP-8 Surface	1		003
	1030	S	SP-9 Surface	1		004
	1055	S	SP-10 Surface	1		005
	1110	S	SP-11 Surface	1		006
	1125	S	West Surface 1	1		007
	1145	S	West Surface 2	1		008
	1215	S	West Surface 3	1		009
	1235	S	West Surface 4	1		010
11/30	1255	S	West Surface 5	1		011

Received by: Sara Jerny Date: 12/12/2021 Time: 1600  
 Received by: cre cam Date: 12/21/2021 Time: 0800



**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 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								<input checked="" type="checkbox"/>

Remarks: Bull EOG Direct  
 $4.5 + 0.1 = 4.6$   
 $5.7 + 0.1 = 5.7$   
 $0.4 + 0.1 = 0.5$

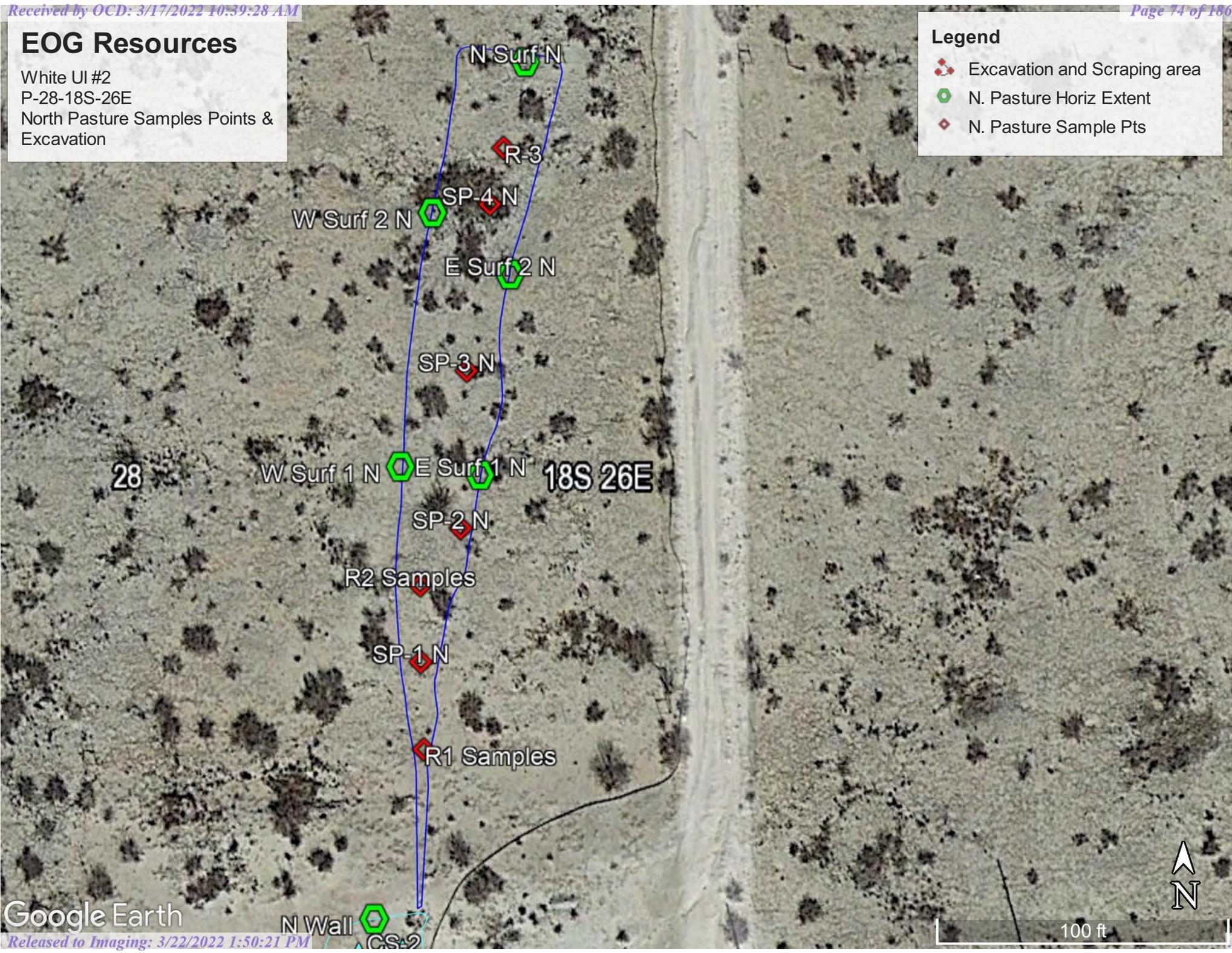


# EOG Resources

White UI #2  
P-28-18S-26E  
North Pasture Samples Points & Excavation

**Legend**

-  Excavation and Scraping area
-  N. Pasture Horiz Extent
-  N. Pasture Sample Pts



28

W Surf 1 N

E Surf 1 N

18S 26E

SP-2 N

R2 Samples

SP-1 N

R1 Samples

N Surf N

R-3

SP-4 N

W Surf 2 N

E Surf 2 N

SP-3 N

N Wall CS-2





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

December 09, 2021

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX: (575) 393-4388

RE: EOG White UI 2 North Pasture

OrderNo.: 2112090

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 9 sample(s) on 12/2/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-1 Surface

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 9:10:00 AM

**Lab ID:** 2112090-001

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	340	60		mg/Kg	20	12/4/2021 2:26:42 AM	64308
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	80	9.9		mg/Kg	1	12/6/2021 11:32:22 AM	64278
Motor Oil Range Organics (MRO)	250	50		mg/Kg	1	12/6/2021 11:32:22 AM	64278
Surr: DNOP	81.2	70-130		%Rec	1	12/6/2021 11:32:22 AM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/4/2021 12:19:37 AM	64272
Surr: BFB	96.6	70-130		%Rec	1	12/4/2021 12:19:37 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	12/4/2021 12:19:37 AM	64272
Toluene	ND	0.047		mg/Kg	1	12/4/2021 12:19:37 AM	64272
Ethylbenzene	ND	0.047		mg/Kg	1	12/4/2021 12:19:37 AM	64272
Xylenes, Total	ND	0.095		mg/Kg	1	12/4/2021 12:19:37 AM	64272
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	12/4/2021 12:19:37 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-2 Surface

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 9:30:00 AM

**Lab ID:** 2112090-002

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	280	60		mg/Kg	20	12/3/2021 9:47:33 PM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	36	9.2		mg/Kg	1	12/6/2021 1:18:18 PM	64278
Motor Oil Range Organics (MRO)	130	46		mg/Kg	1	12/6/2021 1:18:18 PM	64278
Surr: DNOP	76.4	70-130		%Rec	1	12/6/2021 1:18:18 PM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/4/2021 1:29:49 AM	64272
Surr: BFB	96.2	70-130		%Rec	1	12/4/2021 1:29:49 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	12/4/2021 1:29:49 AM	64272
Toluene	ND	0.048		mg/Kg	1	12/4/2021 1:29:49 AM	64272
Ethylbenzene	ND	0.048		mg/Kg	1	12/4/2021 1:29:49 AM	64272
Xylenes, Total	ND	0.096		mg/Kg	1	12/4/2021 1:29:49 AM	64272
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	12/4/2021 1:29:49 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-3 Surface

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 9:55:00 AM

**Lab ID:** 2112090-003

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	290	60		mg/Kg	20	12/3/2021 11:14:22 PM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	52	9.7		mg/Kg	1	12/6/2021 11:56:15 AM	64278
Motor Oil Range Organics (MRO)	210	49		mg/Kg	1	12/6/2021 11:56:15 AM	64278
Surr: DNOP	71.4	70-130		%Rec	1	12/6/2021 11:56:15 AM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/4/2021 3:49:44 AM	64272
Surr: BFB	93.9	70-130		%Rec	1	12/4/2021 3:49:44 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	12/4/2021 3:49:44 AM	64272
Toluene	ND	0.047		mg/Kg	1	12/4/2021 3:49:44 AM	64272
Ethylbenzene	ND	0.047		mg/Kg	1	12/4/2021 3:49:44 AM	64272
Xylenes, Total	ND	0.093		mg/Kg	1	12/4/2021 3:49:44 AM	64272
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	12/4/2021 3:49:44 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-4 Surface

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 10:20:00 AM

**Lab ID:** 2112090-004

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 11:26:47 PM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/3/2021 8:18:48 PM	64278
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/3/2021 8:18:48 PM	64278
Surr: DNOP	110	70-130		%Rec	1	12/3/2021 8:18:48 PM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/4/2021 4:13:01 AM	64272
Surr: BFB	96.8	70-130		%Rec	1	12/4/2021 4:13:01 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	12/4/2021 4:13:01 AM	64272
Toluene	ND	0.046		mg/Kg	1	12/4/2021 4:13:01 AM	64272
Ethylbenzene	ND	0.046		mg/Kg	1	12/4/2021 4:13:01 AM	64272
Xylenes, Total	ND	0.091		mg/Kg	1	12/4/2021 4:13:01 AM	64272
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	12/4/2021 4:13:01 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** East Surface 1

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 10:30:00 AM

**Lab ID:** 2112090-005

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	61		mg/Kg	20	12/3/2021 11:39:12 PM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/3/2021 8:29:26 PM	64278
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/3/2021 8:29:26 PM	64278
Surr: DNOP	106	70-130		%Rec	1	12/3/2021 8:29:26 PM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/4/2021 4:36:18 AM	64272
Surr: BFB	96.8	70-130		%Rec	1	12/4/2021 4:36:18 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	12/4/2021 4:36:18 AM	64272
Toluene	ND	0.047		mg/Kg	1	12/4/2021 4:36:18 AM	64272
Ethylbenzene	ND	0.047		mg/Kg	1	12/4/2021 4:36:18 AM	64272
Xylenes, Total	ND	0.093		mg/Kg	1	12/4/2021 4:36:18 AM	64272
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	12/4/2021 4:36:18 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** East Surface 2

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 10:50:00 AM

**Lab ID:** 2112090-006

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	12/3/2021 11:51:37 PM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/3/2021 8:40:02 PM	64278
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/3/2021 8:40:02 PM	64278
Surr: DNOP	124	70-130		%Rec	1	12/3/2021 8:40:02 PM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2021 4:59:34 AM	64272
Surr: BFB	96.2	70-130		%Rec	1	12/4/2021 4:59:34 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	12/4/2021 4:59:34 AM	64272
Toluene	ND	0.049		mg/Kg	1	12/4/2021 4:59:34 AM	64272
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2021 4:59:34 AM	64272
Xylenes, Total	ND	0.098		mg/Kg	1	12/4/2021 4:59:34 AM	64272
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	12/4/2021 4:59:34 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Surface 1

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 11:15:00 AM

**Lab ID:** 2112090-007

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	12/4/2021 12:04:02 AM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/6/2021 1:32:39 PM	64278
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/6/2021 1:32:39 PM	64278
Surr: DNOP	76.8	70-130		%Rec	1	12/6/2021 1:32:39 PM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2021 5:22:49 AM	64272
Surr: BFB	95.5	70-130		%Rec	1	12/4/2021 5:22:49 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	12/4/2021 5:22:49 AM	64272
Toluene	ND	0.049		mg/Kg	1	12/4/2021 5:22:49 AM	64272
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2021 5:22:49 AM	64272
Xylenes, Total	ND	0.098		mg/Kg	1	12/4/2021 5:22:49 AM	64272
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	12/4/2021 5:22:49 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Surface 2

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 11:30:00 AM

**Lab ID:** 2112090-008

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	12/4/2021 12:16:26 AM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/6/2021 1:56:23 PM	64278
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/6/2021 1:56:23 PM	64278
Surr: DNOP	81.6	70-130		%Rec	1	12/6/2021 1:56:23 PM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/4/2021 5:46:06 AM	64272
Surr: BFB	97.4	70-130		%Rec	1	12/4/2021 5:46:06 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	12/4/2021 5:46:06 AM	64272
Toluene	ND	0.046		mg/Kg	1	12/4/2021 5:46:06 AM	64272
Ethylbenzene	ND	0.046		mg/Kg	1	12/4/2021 5:46:06 AM	64272
Xylenes, Total	ND	0.093		mg/Kg	1	12/4/2021 5:46:06 AM	64272
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	12/4/2021 5:46:06 AM	64272

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

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

**Analytical Report**

Lab Order **2112090**

Date Reported: **12/9/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** North Surface

**Project:** EOG White UI 2 North Pasture

**Collection Date:** 12/1/2021 11:50:00 AM

**Lab ID:** 2112090-009

**Matrix:** SOIL

**Received Date:** 12/2/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	59		mg/Kg	20	12/6/2021 1:47:01 PM	64298
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/6/2021 2:20:06 PM	64278
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/6/2021 2:20:06 PM	64278
Surr: DNOP	82.6	70-130		%Rec	1	12/6/2021 2:20:06 PM	64278
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2021 6:09:18 AM	64272
Surr: BFB	96.7	70-130		%Rec	1	12/4/2021 6:09:18 AM	64272
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	12/4/2021 6:09:18 AM	64272
Toluene	ND	0.049		mg/Kg	1	12/4/2021 6:09:18 AM	64272
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2021 6:09:18 AM	64272
Xylenes, Total	ND	0.097		mg/Kg	1	12/4/2021 6:09:18 AM	64272
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	12/4/2021 6:09:18 AM	64272

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112090

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 North Pasture

Sample ID: <b>MB-64308</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64308</b>	RunNo: <b>84298</b>								
Prep Date: <b>12/6/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960918</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64308</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64308</b>	RunNo: <b>84298</b>								
Prep Date: <b>12/6/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960919</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Sample ID: <b>MB-64298</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64298</b>	RunNo: <b>84309</b>								
Prep Date: <b>12/3/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2961394</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64298</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64298</b>	RunNo: <b>84309</b>								
Prep Date: <b>12/3/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2961395</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112090

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 North Pasture

Sample ID: <b>LCS-64278</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64278</b>	RunNo: <b>83273</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960696</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	68.9	135			
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID: <b>MB-64278</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64278</b>	RunNo: <b>83273</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960701</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	70	130			

**Qualifiers:**

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- 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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112090

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 North Pasture

Sample ID: <b>mb-64272</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64272</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959315</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.7	70	130			

Sample ID: <b>lcs-64272</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64272</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960420</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.5	78.6	131			
Surr: BFB	1100		1000		112	70	130			

Sample ID: <b>mb-64272</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960451</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	70	130			

Sample ID: <b>lcs-64272</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960452</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.6	78.6	131			
Surr: BFB	1100		1000		109	70	130			

Sample ID: <b>2112090-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SP-1 Surface</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/4/2021</b>	SeqNo: <b>2960454</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.6	22.89	0	87.1	61.3	114			
Surr: BFB	980		915.8		107	70	130			

Sample ID: <b>2112090-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SP-1 Surface</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/4/2021</b>	SeqNo: <b>2960455</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2112090

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 North Pasture

Sample ID: <b>2112090-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SP-1 Surface</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/4/2021</b>	SeqNo: <b>2960455</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.85	0	89.6	61.3	114	11.0	20	
Surr: BFB	1100		994.0		108	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 interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112090

09-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2 North Pasture

Sample ID: <b>ics-64272</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64272</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959279</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.2	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	70	130			

Sample ID: <b>mb-64272</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64272</b>	RunNo: <b>83290</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2959280</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	70	130			

Sample ID: <b>mb-64272</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960503</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	70	130			

Sample ID: <b>LCS-64272</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/3/2021</b>	SeqNo: <b>2960504</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.6	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.1	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2112090

09-Dec-21

**Client:** Safety & Environmental Solutions

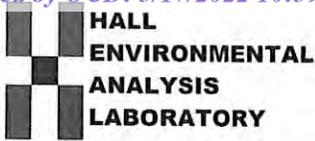
**Project:** EOG White UI 2 North Pasture

Sample ID: <b>2112090-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SP-2 Surface</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/4/2021</b>	SeqNo: <b>2960507</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9606	0	94.7	80	120			
Toluene	0.91	0.048	0.9606	0.01407	93.2	80	120			
Ethylbenzene	0.92	0.048	0.9606	0	96.0	80	120			
Xylenes, Total	2.7	0.096	2.882	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.93		0.9606		96.8	70	130			

Sample ID: <b>2112090-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SP-2 Surface</b>	Batch ID: <b>64272</b>	RunNo: <b>84291</b>								
Prep Date: <b>12/2/2021</b>	Analysis Date: <b>12/4/2021</b>	SeqNo: <b>2960508</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.023	0.9390	0	99.9	80	120	3.07	20	
Toluene	0.94	0.047	0.9390	0.01407	98.4	80	120	3.11	20	
Ethylbenzene	0.93	0.047	0.9390	0	99.2	80	120	0.968	20	
Xylenes, Total	2.8	0.094	2.817	0	98.5	80	120	1.18	20	
Surr: 4-Bromofluorobenzene	0.91		0.9390		97.4	70	130	0	0	

**Qualifiers:**

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- 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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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

# Sample Log-In Check List

Client Name: Safety & Environmental Solutions      Work Order Number: 2112090      RcptNo: 1

Received By: Cheyenne Cason      12/2/2021 8:00:00 AM

Completed By: Sean Livingston      12/2/2021 8:35:03 AM

Reviewed By: KPA 12/02/21

*Handwritten signatures: Cason, Sean Livingston*

**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° 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?      Yes       No   
 (Note discrepancies on chain of custody)
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?      Yes       No   
 (If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by: JL 12/2/21

**Special Handling (if applicable)**

15. 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:	_____		

16. Additional remarks:

**17. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good				
2	5.7	Good				
3	0.5	Good				

### Chain-of-Custody Record

Client: Safety & Environmental Solutions  
 Mailing Address: 703 E Clurton  
Albuquerque, N.M. 87102  
 Phone #: 575-397-0510  
 email or Fax#: \_\_\_\_\_  
 QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  NELAC  Other  EDD (Type) \_\_\_\_\_

Turn-Around Time:  Standard  Rush  
 Project Name: EOG  
WHITE VE 2  
 Project #: EOG-21-003

Project Manager: Allen, Bob  
 Sampler: Sosa, Jerry  
 On Ice:  Yes  No  
 # of Coolers: 3  
 Cooler Temp (including CP): See Remark (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
12/01	0910	S	SP-1 Surfer	1	Jice	2112040 001
	0930	S	SP-2 Surfer	1	Need	002
	0955	S	SP-3 Surfer	1		003
	1020	S	SP-4 Surfer	1		004
	1030	S	East Surfer 1	1		005
	1050	S	East Surfer 2	1		006
	1115	S	West Surfer 1	1		007
	1130	S	West Surfer 2	1		008
12/01	1150	S	NORTH Surfer	1		009

Relinquished by: Bob Allen Date: 12/21/2010  
 Relinquished by: Tim Carr Date: 12/21/2010



**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)	XX
TPH:8015D(GRO / DRO / MRO)	XX
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	XX

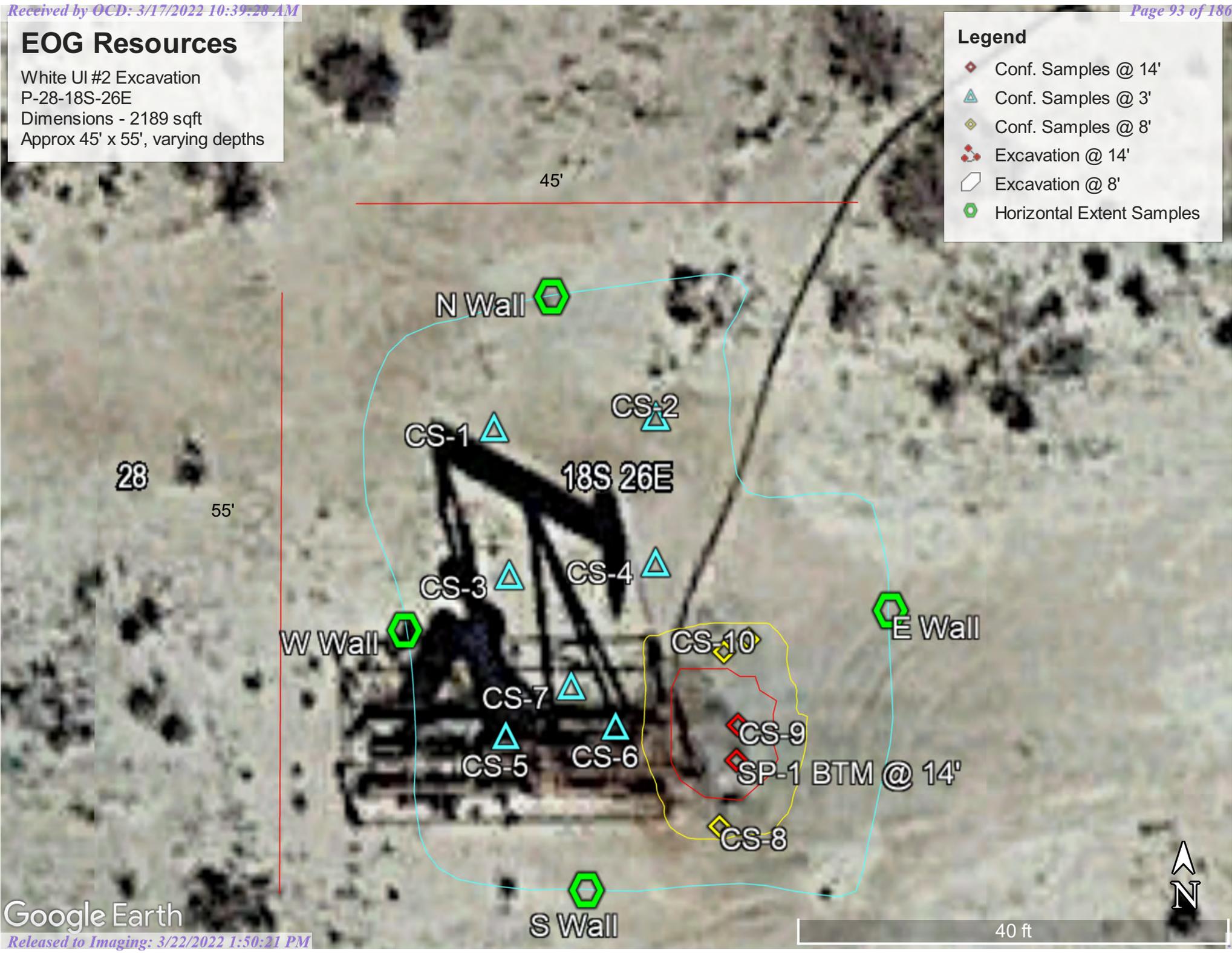
Remarks: EOG Direct  
4.6 to 1 = 4.6  
5.7 to 0.1 = 5.8  
0.4 to 0.1 = 0.5

# EOG Resources

White UI #2 Excavation  
P-28-18S-26E  
Dimensions - 2189 sqft  
Approx 45' x 55', varying depths

**Legend**

- ◆ Conf. Samples @ 14'
- ▲ Conf. Samples @ 3'
- ◆ Conf. Samples @ 8'
- ◆ Excavation @ 14'
- Excavation @ 8'
- ⬡ Horizontal Extent Samples





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

December 06, 2021

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX: (575) 393-4388

RE: EOG White UI 2

OrderNo.: 2111C09

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/24/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2111C09**

Date Reported: **12/6/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** North Wall

**Project:** EOG White UI 2

**Collection Date:** 11/22/2021 10:00:00 AM

**Lab ID:** 2111C09-001

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	380	60		mg/Kg	20	11/30/2021 9:25:19 AM	64205
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/30/2021 11:23:34 AM	64198
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/30/2021 11:23:34 AM	64198
Surr: DNOP	98.6	70-130		%Rec	1	11/30/2021 11:23:34 AM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/2/2021 2:21:00 PM	64183
Surr: BFB	94.5	70-130		%Rec	1	12/2/2021 2:21:00 PM	64183
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	11/30/2021 1:18:00 PM	64183
Toluene	ND	0.050		mg/Kg	1	11/30/2021 1:18:00 PM	64183
Ethylbenzene	ND	0.050		mg/Kg	1	11/30/2021 1:18:00 PM	64183
Xylenes, Total	ND	0.10		mg/Kg	1	11/30/2021 1:18:00 PM	64183
Surr: 4-Bromofluorobenzene	91.9	70-130		%Rec	1	11/30/2021 1:18:00 PM	64183

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

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

**Analytical Report**

Lab Order 2111C09

Date Reported: 12/6/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** West Wall

**Project:** EOG White UI 2

**Collection Date:** 11/22/2021 10:30:00 AM

**Lab ID:** 2111C09-002

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	400	60		mg/Kg	20	11/30/2021 9:37:43 AM	64205
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/30/2021 11:47:21 AM	64198
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2021 11:47:21 AM	64198
Surr: DNOP	99.1	70-130		%Rec	1	11/30/2021 11:47:21 AM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/2/2021 2:41:00 PM	64183
Surr: BFB	94.8	70-130		%Rec	1	12/2/2021 2:41:00 PM	64183
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	11/30/2021 1:37:00 PM	64183
Toluene	ND	0.048		mg/Kg	1	11/30/2021 1:37:00 PM	64183
Ethylbenzene	ND	0.048		mg/Kg	1	11/30/2021 1:37:00 PM	64183
Xylenes, Total	ND	0.095		mg/Kg	1	11/30/2021 1:37:00 PM	64183
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	11/30/2021 1:37:00 PM	64183

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

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

**Analytical Report**

Lab Order 2111C09

Date Reported: 12/6/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** East Wall

**Project:** EOG White UI 2

**Collection Date:** 11/22/2021 11:45:00 AM

**Lab ID:** 2111C09-003

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	290	60		mg/Kg	20	11/30/2021 9:50:07 AM	64205
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2021 12:11:14 PM	64198
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2021 12:11:14 PM	64198
Surr: DNOP	101	70-130		%Rec	1	11/30/2021 12:11:14 PM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/2/2021 3:00:00 PM	64183
Surr: BFB	92.3	70-130		%Rec	1	12/2/2021 3:00:00 PM	64183
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	11/30/2021 1:57:00 PM	64183
Toluene	ND	0.048		mg/Kg	1	11/30/2021 1:57:00 PM	64183
Ethylbenzene	ND	0.048		mg/Kg	1	11/30/2021 1:57:00 PM	64183
Xylenes, Total	ND	0.095		mg/Kg	1	11/30/2021 1:57:00 PM	64183
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	11/30/2021 1:57:00 PM	64183

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

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

**Analytical Report**

Lab Order **2111C09**

Date Reported: **12/6/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** South Wall

**Project:** EOG White UI 2

**Collection Date:** 11/22/2021 12:10:00 PM

**Lab ID:** 2111C09-004

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	270	60		mg/Kg	20	11/30/2021 10:02:33 AM	64205
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/30/2021 12:35:17 PM	64198
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2021 12:35:17 PM	64198
Surr: DNOP	97.1	70-130		%Rec	1	11/30/2021 12:35:17 PM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/2/2021 3:20:00 PM	64183
Surr: BFB	93.5	70-130		%Rec	1	12/2/2021 3:20:00 PM	64183
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	11/30/2021 2:16:00 PM	64183
Toluene	ND	0.047		mg/Kg	1	11/30/2021 2:16:00 PM	64183
Ethylbenzene	ND	0.047		mg/Kg	1	11/30/2021 2:16:00 PM	64183
Xylenes, Total	ND	0.095		mg/Kg	1	11/30/2021 2:16:00 PM	64183
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	11/30/2021 2:16:00 PM	64183

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

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

**Analytical Report**

Lab Order **2111C09**

Date Reported: **12/6/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-1 14Ft

**Project:** EOG White UI 2

**Collection Date:** 11/23/2021 10:15:00 AM

**Lab ID:** 2111C09-005

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	120	60		mg/Kg	20	11/30/2021 10:14:58 AM	64205
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/30/2021 9:42:18 AM	64198
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/30/2021 9:42:18 AM	64198
Surr: DNOP	84.3	70-130		%Rec	1	11/30/2021 9:42:18 AM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/2/2021 3:39:00 PM	64183
Surr: BFB	88.7	70-130		%Rec	1	12/2/2021 3:39:00 PM	64183
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	11/30/2021 2:36:00 PM	64183
Toluene	ND	0.047		mg/Kg	1	11/30/2021 2:36:00 PM	64183
Ethylbenzene	ND	0.047		mg/Kg	1	11/30/2021 2:36:00 PM	64183
Xylenes, Total	ND	0.095		mg/Kg	1	11/30/2021 2:36:00 PM	64183
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	11/30/2021 2:36:00 PM	64183

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

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

**Analytical Report**

Lab Order 2111C09

Date Reported: 12/6/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** SP-2 8 Ft

**Project:** EOG White UI 2

**Collection Date:** 11/23/2021 10:55:00 AM

**Lab ID:** 2111C09-006

**Matrix:** SOIL

**Received Date:** 11/24/2021 7:43:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	270	60		mg/Kg	20	11/30/2021 10:27:23 AM	64205
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/30/2021 11:41:51 AM	64198
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2021 11:41:51 AM	64198
Surr: DNOP	144	70-130	S	%Rec	1	11/30/2021 11:41:51 AM	64198
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/2/2021 3:59:00 PM	64183
Surr: BFB	91.4	70-130		%Rec	1	12/2/2021 3:59:00 PM	64183
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	11/30/2021 2:55:00 PM	64183
Toluene	ND	0.048		mg/Kg	1	11/30/2021 2:55:00 PM	64183
Ethylbenzene	ND	0.048		mg/Kg	1	11/30/2021 2:55:00 PM	64183
Xylenes, Total	ND	0.097		mg/Kg	1	11/30/2021 2:55:00 PM	64183
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	11/30/2021 2:55:00 PM	64183

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111C09

06-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>MB-64205</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64205</b>	RunNo: <b>83169</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2955763</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64205</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64205</b>	RunNo: <b>83169</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2955764</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	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 interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111C09

06-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>MB-64198</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64198</b>	RunNo: <b>83163</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954780</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.7	70	130			

Sample ID: <b>LCS-64198</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64198</b>	RunNo: <b>83163</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954791</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.4	68.9	135			
Surr: DNOP	4.6		5.000		91.6	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 211C09

06-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>mb-64183</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64183</b>		RunNo: <b>83244</b>							
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>12/2/2021</b>		SeqNo: <b>2957719</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.5	70	130			

Sample ID: <b>ics-64183</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64183</b>		RunNo: <b>83244</b>							
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>12/2/2021</b>		SeqNo: <b>2957720</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	78.6	131			
Surr: BFB	1000		1000		102	70	130			

Sample ID: <b>mb-64246</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64246</b>		RunNo: <b>83244</b>							
Prep Date: <b>12/1/2021</b>	Analysis Date: <b>12/2/2021</b>		SeqNo: <b>2958009</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	950		1000		94.7	70	130			

Sample ID: <b>ics-64246</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64246</b>		RunNo: <b>83244</b>							
Prep Date: <b>12/1/2021</b>	Analysis Date: <b>12/2/2021</b>		SeqNo: <b>2958020</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		112	70	130			

Sample ID: <b>mb-64162</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64162</b>		RunNo: <b>83244</b>							
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>12/2/2021</b>		SeqNo: <b>2958030</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.3	70	130			

Sample ID: <b>ics-64162</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64162</b>		RunNo: <b>83244</b>							
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>12/2/2021</b>		SeqNo: <b>2958032</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 211C09

06-Dec-21

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>mb-64183</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64183</b>	RunNo: <b>83160</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954595</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.5	70	130			

Sample ID: <b>lcs-64183</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64183</b>	RunNo: <b>83160</b>								
Prep Date: <b>11/29/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2954596</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.6	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.9	70	130			

Sample ID: <b>mb-64162</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64162</b>	RunNo: <b>83160</b>								
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2955312</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: <b>lcs-64162</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64162</b>	RunNo: <b>83160</b>								
Prep Date: <b>11/24/2021</b>	Analysis Date: <b>11/30/2021</b>	SeqNo: <b>2955313</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		89.1	70	130			

Sample ID: <b>mb-64246</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64246</b>	RunNo: <b>83244</b>								
Prep Date: <b>12/1/2021</b>	Analysis Date: <b>12/2/2021</b>	SeqNo: <b>2958021</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2111C09

06-Dec-21

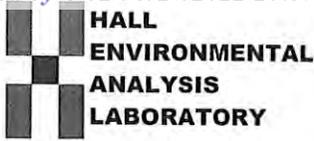
**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>ics-64246</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64246</b>	RunNo: <b>83244</b>								
Prep Date: <b>12/1/2021</b>	Analysis Date: <b>12/2/2021</b>	SeqNo: <b>2958022</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.0	70	130			

**Qualifiers:**

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



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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions Work Order Number: 2111C09 RcptNo: 1

Received By: Cheyenne Cason 11/24/2021 7:43:00 AM

Completed By: Isaiah Ortiz 11/24/2021 8:37:34 AM

Reviewed By: JRC 11/24/21

Handwritten initials: Cason, I-Ortiz

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0° C? Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [signature] 11/24/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date: [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.

# Chain-of-Custody Record

Turn-Around Time:

Standard  Rush

Project Name: EOG

WHITE UT #2

Project #: EOG-21-003

Project Manager:

Abley Bob

Client: Robert Williamson  
Solutions  
703 E. Clinton  
Albuquerque N.M. 88240  
Phone #: 575-397-0510  
email or Fax#:  
QA/QC Package:  
 Standard  Level 4 (Full Validation)  
Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Sampler: Sam Juny

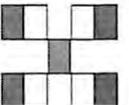
On Ice:  Yes  No

# of Coolers: 2 3.1-0=3.1 4.9-0=4.9

Cooler Temp (including CF): 31.1°C

Container Type and #	Preservative Type	HEAL No.
1	Free	001
1	Free	002
1	Free	003
1	Free	004
1	Free	005
1	Free	006

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, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	Chloride



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109  
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/22	1000		North Well	1	Free	001
	1030		West Well	1	Free	002
	1145		East Well	1	Free	003
11/22	1210		South Well	1	Free	004
11/23	1015		SR 1 14th	1	Free	005
11/23	1055		SR-2 8th	1	Free	006

Relinquished by: Sam Juny  
Received by: [Signature]  
Via: [Signature]  
Date: 11/23/21 1630  
Time: 1630

Relinquished by: [Signature]  
Received by: [Signature]  
Via: [Signature]  
Date: 11/23/21 1630  
Time: 1630

Relinquished by: [Signature]  
Received by: [Signature]  
Via: [Signature]  
Date: 11/23/21 1630  
Time: 1630

Relinquished by: [Signature]  
Received by: [Signature]  
Via: [Signature]  
Date: 11/23/21 1630  
Time: 1630

Relinquished by: [Signature]  
Received by: [Signature]  
Via: [Signature]  
Date: 11/23/21 1630  
Time: 1630

Remarks: Bill EOG Resources  
Dusk

48 Rush per client. TO 11/24/21

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: clients.hallenvironmental.com

March 11, 2022

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX (575) 393-4388

RE: EOG White UI 2

OrderNo.: 2203350

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 11 sample(s) on 3/5/2022 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #1, 3'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 9:30:00 AM

**Lab ID:** 2203350-001

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 5:19:01 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/9/2022 12:04:59 AM	65997
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 12:04:59 AM	65997
Surr: DNOP	60.7	51.1-141		%Rec	1	3/9/2022 12:04:59 AM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 8:09:56 PM	65974
Surr: BFB	116	70-130		%Rec	1	3/8/2022 8:09:56 PM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 8:09:56 PM	65974
Toluene	ND	0.049		mg/Kg	1	3/8/2022 8:09:56 PM	65974
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 8:09:56 PM	65974
Xylenes, Total	ND	0.097		mg/Kg	1	3/8/2022 8:09:56 PM	65974
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	3/8/2022 8:09:56 PM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #2, 3'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 9:40:00 AM

**Lab ID:** 2203350-002

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 5:56:04 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/9/2022 12:15:47 AM	65997
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 12:15:47 AM	65997
Surr: DNOP	54.8	51.1-141		%Rec	1	3/9/2022 12:15:47 AM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/8/2022 9:20:40 PM	65974
Surr: BFB	114	70-130		%Rec	1	3/8/2022 9:20:40 PM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 9:20:40 PM	65974
Toluene	ND	0.050		mg/Kg	1	3/8/2022 9:20:40 PM	65974
Ethylbenzene	ND	0.050		mg/Kg	1	3/8/2022 9:20:40 PM	65974
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 9:20:40 PM	65974
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	3/8/2022 9:20:40 PM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

## Analytical Report

Lab Order 2203350

Date Reported: 3/11/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: CS #3, 3'

Project: EOG White UI 2

Collection Date: 3/3/2022 9:50:00 AM

Lab ID: 2203350-003

Matrix: SOIL

Received Date: 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	410	60		mg/Kg	20	3/10/2022 6:08:24 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	19	9.3		mg/Kg	1	3/9/2022 12:26:34 AM	65997
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/9/2022 12:26:34 AM	65997
Surr: DNOP	61.0	51.1-141		%Rec	1	3/9/2022 12:26:34 AM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/8/2022 10:31:00 PM	65974
Surr: BFB	111	70-130		%Rec	1	3/8/2022 10:31:00 PM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 10:31:00 PM	65974
Toluene	ND	0.050		mg/Kg	1	3/8/2022 10:31:00 PM	65974
Ethylbenzene	ND	0.050		mg/Kg	1	3/8/2022 10:31:00 PM	65974
Xylenes, Total	ND	0.10		mg/Kg	1	3/8/2022 10:31:00 PM	65974
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	3/8/2022 10:31:00 PM	65974

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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #4, 3'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 9:52:00 AM

**Lab ID:** 2203350-004

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 6:20:45 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/9/2022 12:37:19 AM	65997
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 12:37:19 AM	65997
Surr: DNOP	61.3	51.1-141		%Rec	1	3/9/2022 12:37:19 AM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/8/2022 10:54:27 PM	65974
Surr: BFB	115	70-130		%Rec	1	3/8/2022 10:54:27 PM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 10:54:27 PM	65974
Toluene	ND	0.050		mg/Kg	1	3/8/2022 10:54:27 PM	65974
Ethylbenzene	ND	0.050		mg/Kg	1	3/8/2022 10:54:27 PM	65974
Xylenes, Total	ND	0.10		mg/Kg	1	3/8/2022 10:54:27 PM	65974
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	3/8/2022 10:54:27 PM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #5, 3'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 10:15:00 AM

**Lab ID:** 2203350-005

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	250	60		mg/Kg	20	3/10/2022 6:33:05 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/9/2022 8:23:28 PM	65997
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/9/2022 8:23:28 PM	65997
Surr: DNOP	91.8	51.1-141		%Rec	1	3/9/2022 8:23:28 PM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 11:17:51 PM	65974
Surr: BFB	112	70-130		%Rec	1	3/8/2022 11:17:51 PM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/8/2022 11:17:51 PM	65974
Toluene	ND	0.049		mg/Kg	1	3/8/2022 11:17:51 PM	65974
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 11:17:51 PM	65974
Xylenes, Total	ND	0.099		mg/Kg	1	3/8/2022 11:17:51 PM	65974
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	3/8/2022 11:17:51 PM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #6, 3'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 10:20:00 AM

**Lab ID:** 2203350-006

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 6:45:26 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/9/2022 8:47:32 PM	65997
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/9/2022 8:47:32 PM	65997
Surr: DNOP	82.2	51.1-141		%Rec	1	3/9/2022 8:47:32 PM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/8/2022 11:41:09 PM	65974
Surr: BFB	112	70-130		%Rec	1	3/8/2022 11:41:09 PM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/8/2022 11:41:09 PM	65974
Toluene	ND	0.049		mg/Kg	1	3/8/2022 11:41:09 PM	65974
Ethylbenzene	ND	0.049		mg/Kg	1	3/8/2022 11:41:09 PM	65974
Xylenes, Total	ND	0.097		mg/Kg	1	3/8/2022 11:41:09 PM	65974
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	3/8/2022 11:41:09 PM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #7A, 2'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 10:30:00 AM

**Lab ID:** 2203350-007

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2400	60		mg/Kg	20	3/10/2022 6:57:46 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/9/2022 1:09:33 AM	65997
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 1:09:33 AM	65997
Surr: DNOP	59.4	51.1-141		%Rec	1	3/9/2022 1:09:33 AM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 12:04:25 AM	65974
Surr: BFB	113	70-130		%Rec	1	3/9/2022 12:04:25 AM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 12:04:25 AM	65974
Toluene	ND	0.049		mg/Kg	1	3/9/2022 12:04:25 AM	65974
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 12:04:25 AM	65974
Xylenes, Total	ND	0.097		mg/Kg	1	3/9/2022 12:04:25 AM	65974
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	3/9/2022 12:04:25 AM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #7B, 3'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 10:35:00 AM

**Lab ID:** 2203350-008

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	320	60		mg/Kg	20	3/10/2022 7:10:07 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/10/2022 2:23:32 AM	65997
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/10/2022 2:23:32 AM	65997
Surr: DNOP	84.2	51.1-141		%Rec	1	3/10/2022 2:23:32 AM	65997
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/9/2022 12:27:42 AM	65974
Surr: BFB	112	70-130		%Rec	1	3/9/2022 12:27:42 AM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 12:27:42 AM	65974
Toluene	ND	0.049		mg/Kg	1	3/9/2022 12:27:42 AM	65974
Ethylbenzene	ND	0.049		mg/Kg	1	3/9/2022 12:27:42 AM	65974
Xylenes, Total	ND	0.097		mg/Kg	1	3/9/2022 12:27:42 AM	65974
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	3/9/2022 12:27:42 AM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #8, 8'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 11:45:00 AM

**Lab ID:** 2203350-009

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	120	60		mg/Kg	20	3/10/2022 7:22:27 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/9/2022 9:11:34 PM	66002
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/9/2022 9:11:34 PM	66002
Surr: DNOP	94.0	51.1-141		%Rec	1	3/9/2022 9:11:34 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 12:51:00 AM	65974
Surr: BFB	111	70-130		%Rec	1	3/9/2022 12:51:00 AM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 12:51:00 AM	65974
Toluene	ND	0.050		mg/Kg	1	3/9/2022 12:51:00 AM	65974
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 12:51:00 AM	65974
Xylenes, Total	ND	0.10		mg/Kg	1	3/9/2022 12:51:00 AM	65974
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	3/9/2022 12:51:00 AM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS #9, 14'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 12:45:00 PM

**Lab ID:** 2203350-010

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	3/10/2022 7:34:47 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/9/2022 1:51:55 AM	66002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 1:51:55 AM	66002
Surr: DNOP	65.7	51.1-141		%Rec	1	3/9/2022 1:51:55 AM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/9/2022 2:23:55 AM	65974
Surr: BFB	108	70-130		%Rec	1	3/9/2022 2:23:55 AM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	3/9/2022 2:23:55 AM	65974
Toluene	ND	0.048		mg/Kg	1	3/9/2022 2:23:55 AM	65974
Ethylbenzene	ND	0.048		mg/Kg	1	3/9/2022 2:23:55 AM	65974
Xylenes, Total	ND	0.097		mg/Kg	1	3/9/2022 2:23:55 AM	65974
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	3/9/2022 2:23:55 AM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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		

**Analytical Report**

Lab Order **2203350**

Date Reported: **3/11/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** CS # 10, 8'

**Project:** EOG White UI 2

**Collection Date:** 3/3/2022 1:45:00 PM

**Lab ID:** 2203350-011

**Matrix:** SOIL

**Received Date:** 3/5/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	62	60		mg/Kg	20	3/10/2022 7:47:07 AM	66072
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	13	9.5		mg/Kg	1	3/9/2022 9:35:36 PM	66002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/9/2022 9:35:36 PM	66002
Surr: DNOP	77.4	51.1-141		%Rec	1	3/9/2022 9:35:36 PM	66002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/9/2022 2:47:07 AM	65974
Surr: BFB	107	70-130		%Rec	1	3/9/2022 2:47:07 AM	65974
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	3/9/2022 2:47:07 AM	65974
Toluene	ND	0.050		mg/Kg	1	3/9/2022 2:47:07 AM	65974
Ethylbenzene	ND	0.050		mg/Kg	1	3/9/2022 2:47:07 AM	65974
Xylenes, Total	ND	0.099		mg/Kg	1	3/9/2022 2:47:07 AM	65974
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/9/2022 2:47:07 AM	65974

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

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	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#: 2203350

11-Mar-22

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>MB-66072</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66072</b>	RunNo: <b>86381</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3046822</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-66072</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66072</b>	RunNo: <b>86381</b>								
Prep Date: <b>3/9/2022</b>	Analysis Date: <b>3/10/2022</b>	SeqNo: <b>3046823</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	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 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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203350

11-Mar-22

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>2203350-009AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>CS #8, 8'</b>	Batch ID: <b>66002</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3045177</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.3	46.73	9.485	86.9	36.1	154			
Surr: DNOP	1.5		4.673		32.5	51.1	141			S

Sample ID: <b>2203350-009AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>CS #8, 8'</b>	Batch ID: <b>66002</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3045178</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	9.9	49.50	9.485	104	36.1	154	19.9	33.9	
Surr: DNOP	1.8		4.950		35.4	51.1	141	0	0	S

Sample ID: <b>LCS-65997</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65997</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3045215</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.2	68.9	135			
Surr: DNOP	4.6		5.000		92.2	51.1	141			

Sample ID: <b>LCS-66002</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>66002</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3045218</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.1	68.9	135			
Surr: DNOP	4.9		5.000		97.3	51.1	141			

Sample ID: <b>MB-65997</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65997</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3045221</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	51.1	141			

**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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203350

11-Mar-22

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>MB-66002</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>66002</b>	RunNo: <b>86343</b>								
Prep Date: <b>3/7/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3045226</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	51.1	141			

**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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203350

11-Mar-22

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>mb-65974</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3044123</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		108	70	130			

Sample ID: <b>lcs-65974</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3044124</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	78.6	131			
Surr: BFB	1300		1000		127	70	130			

Sample ID: <b>2203350-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>CS #1, 3'</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3044182</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.95	0	95.8	70	130			
Surr: BFB	1300		998.0		129	70	130			

Sample ID: <b>2203350-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>CS #1, 3'</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3044183</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.70	0	98.2	70	130	2.60	20	
Surr: BFB	1200		947.9		131	70	130	0	0	S

**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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203350

11-Mar-22

**Client:** Safety & Environmental Solutions

**Project:** EOG White UI 2

Sample ID: <b>mb-65974</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/9/2022</b>	SeqNo: <b>3044163</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>LCS-65974</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3044164</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.1	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	70	130			

Sample ID: <b>2203350-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>CS #2, 3'</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3044167</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9843	0	87.7	68.8	120			
Toluene	0.94	0.049	0.9843	0.01436	94.4	73.6	124			
Ethylbenzene	0.96	0.049	0.9843	0	97.2	72.7	129			
Xylenes, Total	2.9	0.098	2.953	0	97.6	75.7	126			
Surr: 4-Bromofluorobenzene	1.1		0.9843		108	70	130			

Sample ID: <b>2203350-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>CS #2, 3'</b>	Batch ID: <b>65974</b>	RunNo: <b>86306</b>								
Prep Date: <b>3/5/2022</b>	Analysis Date: <b>3/8/2022</b>	SeqNo: <b>3044168</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9785	0	89.3	68.8	120	1.21	20	
Toluene	0.94	0.049	0.9785	0.01436	94.3	73.6	124	0.745	20	
Ethylbenzene	0.96	0.049	0.9785	0	97.7	72.7	129	0.117	20	
Xylenes, Total	2.9	0.098	2.935	0	98.2	75.7	126	0.0277	20	
Surr: 4-Bromofluorobenzene	1.1		0.9785		109	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 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



# Sample Log-In Check List

Client Name: **Safety & Environmental Solutions**

Work Order Number: **2203350**

RcptNo: 1

Received By: **Cheyenne Cason** 3/5/2022 8:55:00 AM

*Check*

Completed By: **Cheyenne Cason** 3/5/2022 9:21:29 AM

*Check*

Reviewed By: *Che* 3/5/22

### 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° 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? Yes  No
- (Note discrepancies on chain of custody)
- 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? Yes  No
- (If no, notify customer for authorization.)

# of preserved bottles checked for pH:

(≤2 or >12 unless noted)

Adjusted?

Checked by: *KPG 3/5/22*

### 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

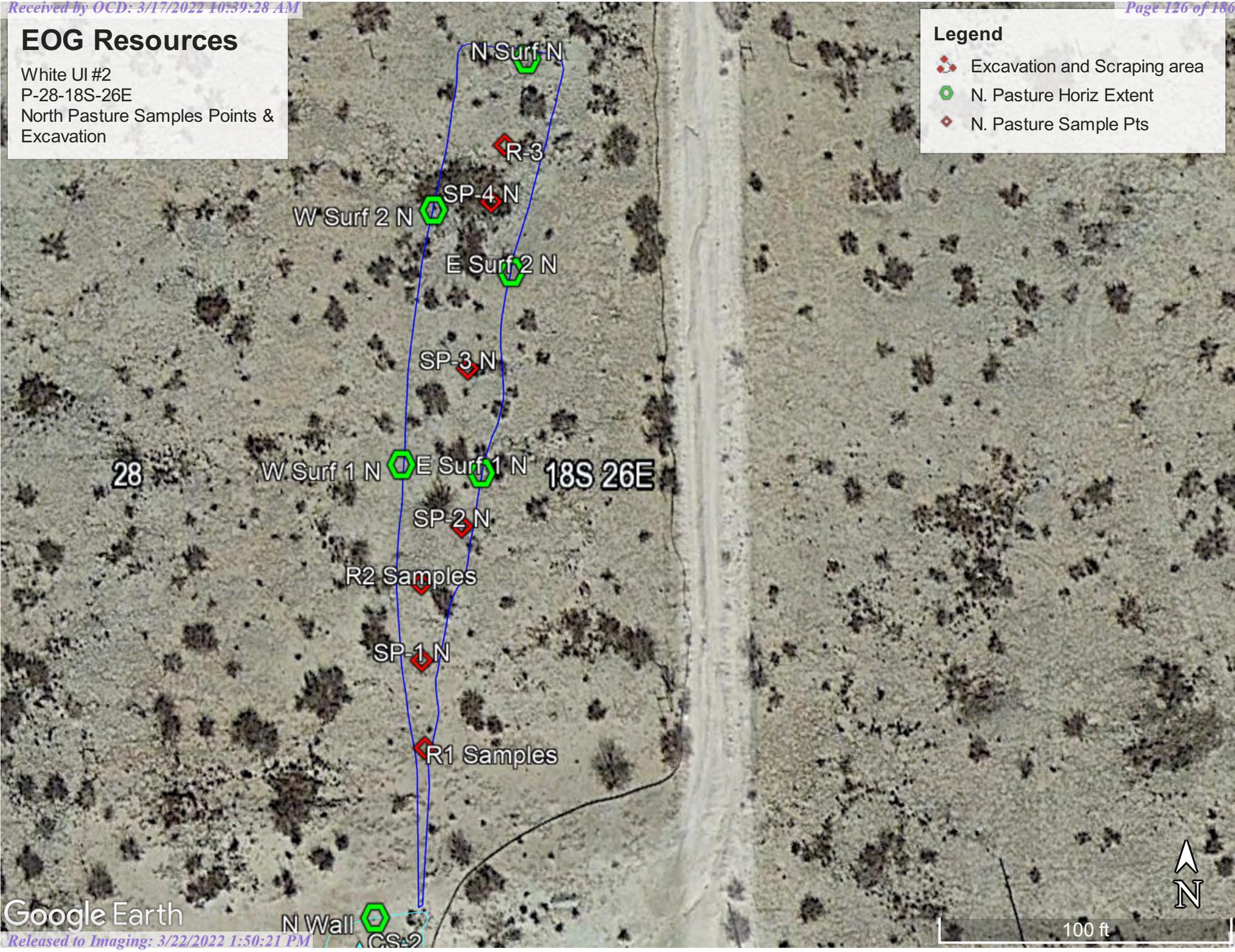
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Not Present			
2	0.7	Good	Not Present			
3	4.0	Good	Not Present			

# EOG Resources

White UI #2  
P-28-18S-26E  
North Pasture Samples Points & Excavation

**Legend**

-  Excavation and Scraping area
-  N. Pasture Horiz Extent
-  N. Pasture Sample Pts



28

W Surf 1 N

E Surf 1 N

18S 26E

SP-2 N

R2 Samples

SP-1 N

R1 Samples

N Surf N

R-3

SP-4 N

W Surf 2 N

E Surf 2 N

SP-3 N

N Wall  
CS-2





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

November 29, 2021

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX: (575) 393-4388

RE: White Spill

OrderNo.: 2111A03

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/19/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2111A03

Date Reported: 11/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety &amp; Environmental Solutions

Client Sample ID: B-1 15'

Project: White Spill

Collection Date: 11/17/2021 10:15:00 AM

Lab ID: 2111A03-001

Matrix: MEOH (SOIL)

Received Date: 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	4100	150		mg/Kg	50	11/23/2021 12:17:13 AM	64071
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	210	8.8		mg/Kg	1	11/19/2021 3:46:46 PM	64043
Motor Oil Range Organics (MRO)	140	44		mg/Kg	1	11/19/2021 3:46:46 PM	64043
Surr: DNOP	97.4	70-130		%Rec	1	11/19/2021 3:46:46 PM	64043
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	11/22/2021 9:28:10 AM	G83018
Surr: BFB	119	70-130		%Rec	1	11/22/2021 9:28:10 AM	G83018
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	11/22/2021 9:28:10 AM	B83018
Toluene	ND	0.033		mg/Kg	1	11/22/2021 9:28:10 AM	B83018
Ethylbenzene	ND	0.033		mg/Kg	1	11/22/2021 9:28:10 AM	B83018
Xylenes, Total	ND	0.066		mg/Kg	1	11/22/2021 9:28:10 AM	B83018
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	11/22/2021 9:28:10 AM	B83018

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

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

Page 1 of 6

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A03

29-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>MB-64071</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64071</b>	RunNo: <b>83012</b>								
Prep Date: <b>11/20/2021</b>	Analysis Date: <b>11/21/2021</b>	SeqNo: <b>2947964</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64071</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64071</b>	RunNo: <b>83012</b>								
Prep Date: <b>11/20/2021</b>	Analysis Date: <b>11/21/2021</b>	SeqNo: <b>2947965</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.5	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A03

29-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>MB-64043</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64043</b>	RunNo: <b>82976</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/19/2021</b>	SeqNo: <b>2946526</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.9	70	130			

Sample ID: <b>LCS-64043</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64043</b>	RunNo: <b>82976</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/19/2021</b>	SeqNo: <b>2946527</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.1	68.9	135			
Surr: DNOP	4.2		5.000		84.4	70	130			

Sample ID: <b>MB-64024</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64024</b>	RunNo: <b>82976</b>								
Prep Date: <b>11/18/2021</b>	Analysis Date: <b>11/19/2021</b>	SeqNo: <b>2948754</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.9		10.00		89.0	70	130			

Sample ID: <b>LCS-64024</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64024</b>	RunNo: <b>82976</b>								
Prep Date: <b>11/18/2021</b>	Analysis Date: <b>11/19/2021</b>	SeqNo: <b>2948757</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.2	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A03

29-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>mb-II</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>C82982</b>		RunNo: <b>82982</b>							
Prep Date:	Analysis Date: <b>11/19/2021</b>		SeqNo: <b>2947670</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		101	70	130			

Sample ID: <b>2.5ug gro lcs-II</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>C82982</b>		RunNo: <b>82982</b>							
Prep Date:	Analysis Date: <b>11/19/2021</b>		SeqNo: <b>2947671</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		115	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G83018</b>		RunNo: <b>83018</b>							
Prep Date:	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949198</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.1	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G83018</b>		RunNo: <b>83018</b>							
Prep Date:	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949221</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.8	78.6	131			
Surr: BFB	1100		1000		107	70	130			

Sample ID: <b>mb-64057</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>64057</b>		RunNo: <b>83018</b>							
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949226</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		99.9	70	130			

Sample ID: <b>lcs-64057</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>64057</b>		RunNo: <b>83018</b>							
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>		SeqNo: <b>2949229</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		113	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A03

29-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>mb-II</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>F82982</b>	RunNo: <b>82982</b>								
Prep Date:	Analysis Date: <b>11/19/2021</b>	SeqNo: <b>2947713</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: <b>100ng btex lcs-II</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>F82982</b>	RunNo: <b>82982</b>								
Prep Date:	Analysis Date: <b>11/19/2021</b>	SeqNo: <b>2947714</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>B83018</b>	RunNo: <b>83018</b>								
Prep Date:	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949314</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>B83018</b>	RunNo: <b>83018</b>								
Prep Date:	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949315</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.2	80	120			
Toluene	0.95	0.050	1.000	0	95.2	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.9	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.1	70	130			

Sample ID: <b>mb-64057</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949317</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A03

29-Nov-21

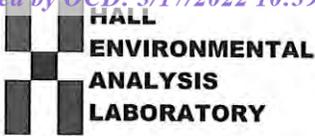
**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>LCS-64057</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949318</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

**Qualifiers:**

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



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

### Sample Log-In Check List

Client Name: Safety & Environmental Solutions      Work Order Number: 2111A03      RcptNo: 1

Received By: Cheyenne Cason      11/19/2021 8:00:00 AM

Completed By: Sean Livingston      11/19/2021 8:48:20 AM

Reviewed By: *JO*      *11/19/21*

*Chen*  
*Sean Livingston*

#### 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° 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?      Yes       No   
(Note discrepancies on chain of custody)
- 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?      Yes       No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
(<2 or >12 unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: *cu* 11/19/21

#### Special Handling (if applicable)

- 15. 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:	_____		

16. Additional remarks:

#### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good				

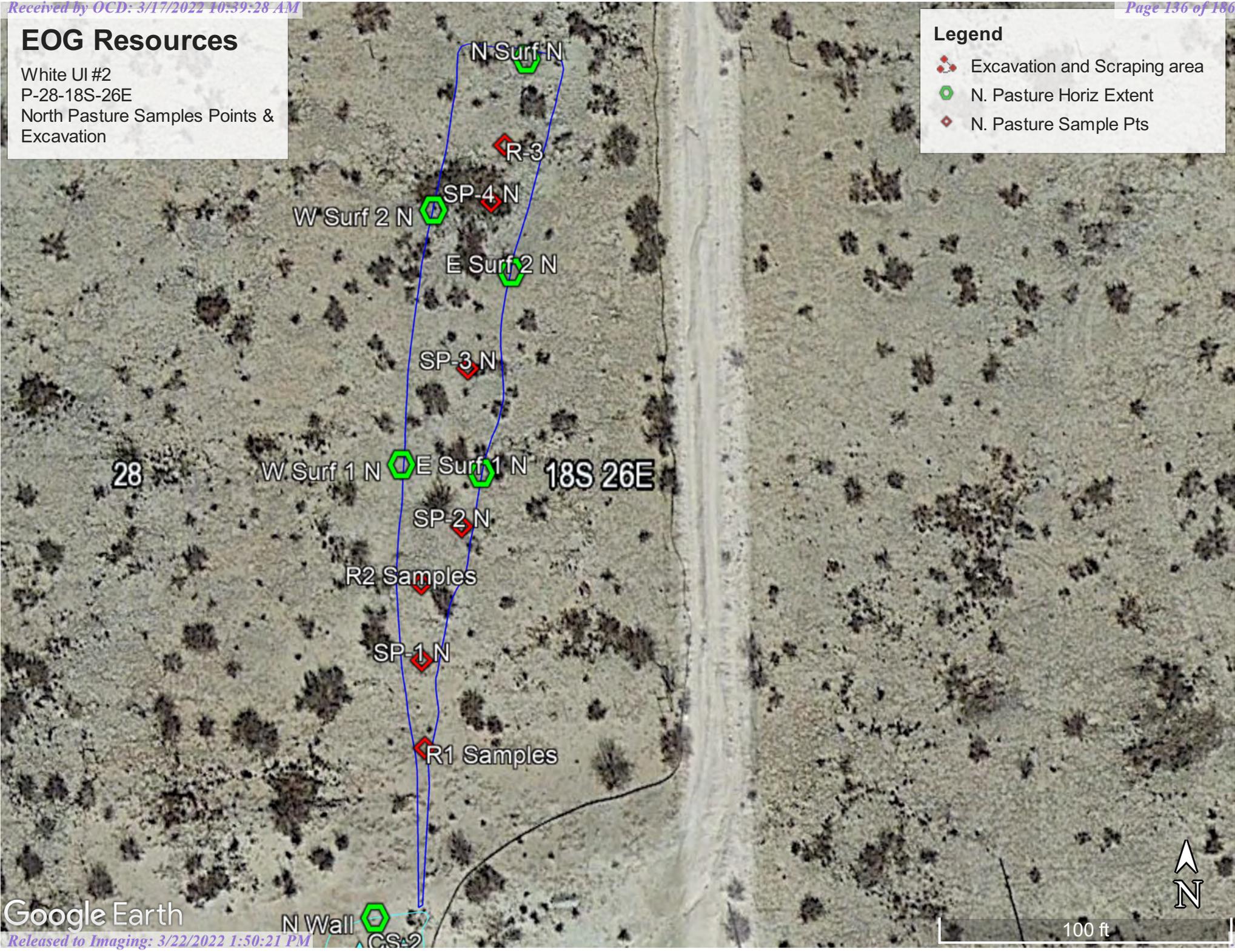


# EOG Resources

White UI #2  
P-28-18S-26E  
North Pasture Samples Points &  
Excavation

**Legend**

-  Excavation and Scraping area
-  N. Pasture Horiz Extent
-  N. Pasture Sample Pts



N Wall  
CS-2

100 ft



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

November 30, 2021

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX: (575) 393-4388

RE: White Spill

OrderNo.: 2111A05

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 7 sample(s) on 11/19/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order 2111A05

Date Reported: 11/30/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-1 Surface

**Project:** White Spill

**Collection Date:** 11/17/2021 9:30:00 AM

**Lab ID:** 2111A05-001

**Matrix:** SOIL

**Received Date:** 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1800	60		mg/Kg	20	11/22/2021 10:38:34 AM	64089
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	900	90		mg/Kg	10	11/22/2021 11:03:31 AM	64080
Motor Oil Range Organics (MRO)	680	450		mg/Kg	10	11/22/2021 11:03:31 AM	64080
Surr: DNOP	0	70-130	S	%Rec	10	11/22/2021 11:03:31 AM	64080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	11/22/2021 10:38:18 AM	64057
Surr: BFB	94.8	70-130		%Rec	5	11/22/2021 10:38:18 AM	64057
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	11/22/2021 10:38:18 AM	64057
Toluene	ND	0.25		mg/Kg	5	11/22/2021 10:38:18 AM	64057
Ethylbenzene	ND	0.25		mg/Kg	5	11/22/2021 10:38:18 AM	64057
Xylenes, Total	ND	0.50		mg/Kg	5	11/22/2021 10:38:18 AM	64057
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	5	11/22/2021 10:38:18 AM	64057

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

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

**Analytical Report**

Lab Order 2111A05

Date Reported: 11/30/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-1 1ft

**Project:** White Spill

**Collection Date:** 11/17/2021 9:45:00 AM

**Lab ID:** 2111A05-002

**Matrix:** SOIL

**Received Date:** 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1600	60		mg/Kg	20	11/22/2021 10:50:56 AM	64089
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/22/2021 11:15:12 AM	64080
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/22/2021 11:15:12 AM	64080
Surr: DNOP	90.1	70-130		%Rec	1	11/22/2021 11:15:12 AM	64080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/22/2021 11:25:19 AM	64057
Surr: BFB	95.5	70-130		%Rec	1	11/22/2021 11:25:19 AM	64057
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.023		mg/Kg	1	11/22/2021 11:25:19 AM	64057
Toluene	ND	0.046		mg/Kg	1	11/22/2021 11:25:19 AM	64057
Ethylbenzene	ND	0.046		mg/Kg	1	11/22/2021 11:25:19 AM	64057
Xylenes, Total	ND	0.093		mg/Kg	1	11/22/2021 11:25:19 AM	64057
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	11/22/2021 11:25:19 AM	64057

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

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

**Analytical Report**

Lab Order 2111A05

Date Reported: 11/30/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-1 2ft

**Project:** White Spill

**Collection Date:** 11/17/2021 10:15:00 AM

**Lab ID:** 2111A05-003

**Matrix:** SOIL

**Received Date:** 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1700	60		mg/Kg	20	11/22/2021 11:03:17 AM	64089
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/22/2021 11:27:02 AM	64080
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/22/2021 11:27:02 AM	64080
Surr: DNOP	89.2	70-130		%Rec	1	11/22/2021 11:27:02 AM	64080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/22/2021 11:48:56 AM	64057
Surr: BFB	100	70-130		%Rec	1	11/22/2021 11:48:56 AM	64057
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	11/22/2021 11:48:56 AM	64057
Toluene	ND	0.049		mg/Kg	1	11/22/2021 11:48:56 AM	64057
Ethylbenzene	ND	0.049		mg/Kg	1	11/22/2021 11:48:56 AM	64057
Xylenes, Total	ND	0.098		mg/Kg	1	11/22/2021 11:48:56 AM	64057
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/22/2021 11:48:56 AM	64057

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

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

**Analytical Report**

Lab Order 2111A05

Date Reported: 11/30/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-1 3ft

**Project:** White Spill

**Collection Date:** 11/17/2021 10:35:00 AM

**Lab ID:** 2111A05-004

**Matrix:** SOIL

**Received Date:** 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	780	60		mg/Kg	20	11/22/2021 11:15:38 AM	64089
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/22/2021 11:38:55 AM	64080
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/22/2021 11:38:55 AM	64080
Surr: DNOP	88.2	70-130		%Rec	1	11/22/2021 11:38:55 AM	64080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2021 12:12:29 PM	64057
Surr: BFB	98.5	70-130		%Rec	1	11/22/2021 12:12:29 PM	64057
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/22/2021 12:12:29 PM	64057
Toluene	ND	0.047		mg/Kg	1	11/22/2021 12:12:29 PM	64057
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2021 12:12:29 PM	64057
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2021 12:12:29 PM	64057
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	1	11/22/2021 12:12:29 PM	64057

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

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

**Analytical Report**

Lab Order 2111A05

Date Reported: 11/30/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-1 4ft

**Project:** White Spill

**Collection Date:** 11/17/2021 11:30:00 AM

**Lab ID:** 2111A05-005

**Matrix:** SOIL

**Received Date:** 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	480	60		mg/Kg	20	11/22/2021 11:27:59 AM	64089
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/22/2021 11:50:58 AM	64080
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/22/2021 11:50:58 AM	64080
Surr: DNOP	85.4	70-130		%Rec	1	11/22/2021 11:50:58 AM	64080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2021 12:36:04 PM	64057
Surr: BFB	99.0	70-130		%Rec	1	11/22/2021 12:36:04 PM	64057
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	11/22/2021 12:36:04 PM	64057
Toluene	ND	0.047		mg/Kg	1	11/22/2021 12:36:04 PM	64057
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2021 12:36:04 PM	64057
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2021 12:36:04 PM	64057
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	11/22/2021 12:36:04 PM	64057

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

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

**Analytical Report**

Lab Order 2111A05

Date Reported: 11/30/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-2 Surface

**Project:** White Spill

**Collection Date:** 11/17/2021 1:45:00 PM

**Lab ID:** 2111A05-006

**Matrix:** SOIL

**Received Date:** 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	800	60		mg/Kg	20	11/22/2021 11:40:20 AM	64089
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	10000	970		mg/Kg	100	11/24/2021 9:56:47 AM	64080
Motor Oil Range Organics (MRO)	8600	4800		mg/Kg	100	11/24/2021 9:56:47 AM	64080
Surr: DNOP	0	70-130	S	%Rec	100	11/24/2021 9:56:47 AM	64080
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	11/22/2021 12:59:39 PM	64057
Surr: BFB	90.8	70-130		%Rec	5	11/22/2021 12:59:39 PM	64057
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	11/22/2021 12:59:39 PM	64057
Toluene	ND	0.25		mg/Kg	5	11/22/2021 12:59:39 PM	64057
Ethylbenzene	ND	0.25		mg/Kg	5	11/22/2021 12:59:39 PM	64057
Xylenes, Total	ND	0.49		mg/Kg	5	11/22/2021 12:59:39 PM	64057
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	5	11/22/2021 12:59:39 PM	64057

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

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

**Analytical Report**

Lab Order 2111A05

Date Reported: 11/30/2021

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-2 1ft

**Project:** White Spill

**Collection Date:** 11/17/2021 2:15:00 PM

**Lab ID:** 2111A05-007

**Matrix:** SOIL

**Received Date:** 11/19/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1100	60		mg/Kg	20	11/22/2021 11:52:41 AM	64089
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	230	10		mg/Kg	1	11/22/2021 12:40:25 PM	64083
Motor Oil Range Organics (MRO)	110	50		mg/Kg	1	11/22/2021 12:40:25 PM	64083
Surr: DNOP	82.1	70-130		%Rec	1	11/22/2021 12:40:25 PM	64083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	11/22/2021 11:01:49 AM	64057
Surr: BFB	96.8	70-130		%Rec	5	11/22/2021 11:01:49 AM	64057
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	11/22/2021 11:01:49 AM	64057
Toluene	ND	0.23		mg/Kg	5	11/22/2021 11:01:49 AM	64057
Ethylbenzene	ND	0.23		mg/Kg	5	11/22/2021 11:01:49 AM	64057
Xylenes, Total	ND	0.47		mg/Kg	5	11/22/2021 11:01:49 AM	64057
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	5	11/22/2021 11:01:49 AM	64057

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A05

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>MB-64089</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64089</b>	RunNo: <b>83024</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949890</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64089</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64089</b>	RunNo: <b>83024</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949891</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	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 interference
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A05

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>MB-64080</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64080</b>	RunNo: <b>83031</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2948817</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.6	70	130			

Sample ID: <b>LCS-64083</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64083</b>	RunNo: <b>83031</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2948818</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.5	68.9	135			
Surr: DNOP	4.6		5.000		91.6	70	130			

Sample ID: <b>LCS-64080</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64080</b>	RunNo: <b>83031</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2948819</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.1	68.9	135			
Surr: DNOP	4.6		5.000		92.2	70	130			

Sample ID: <b>MB-64083</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64083</b>	RunNo: <b>83097</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/24/2021</b>	SeqNo: <b>2952063</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A05

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>mb-64057</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949226</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.9	70	130			

Sample ID: <b>lcs-64057</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949229</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.0	78.6	131			
Surr: BFB	1100		1000		113	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A05

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>mb-64057</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949317</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Sample ID: <b>LCS-64057</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64057</b>	RunNo: <b>83018</b>								
Prep Date: <b>11/19/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2949318</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.7	80	120			
Toluene	0.93	0.050	1.000	0	93.3	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.2	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# Sample Log-In Check List

Client Name: Safety & Environmental Solutions

Work Order Number: 2111A05

RcptNo: 1

Received By: Cheyenne Cason 11/19/2021 8:00:00 AM

Completed By: Sean Livingston 11/19/2021 8:58:16 AM

Reviewed By: TML 11/19/21 9:28

*Handwritten signatures and initials: Cason, S. Livingston, and a large signature.*

### 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° 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: *Handwritten signature*

### 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good				





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

November 30, 2021

Bob Allen  
Safety & Environmental Solutions  
PO Box 1613  
Hobbs, NM 88241  
TEL: (575) 397-0510  
FAX (575) 393-4388

RE: White Spill

OrderNo.: 2111A59

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/20/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2111A59**

Date Reported: **11/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** B-1-18FT

**Project:** White Spill

**Collection Date:** 11/18/2021 10:15:00 AM

**Lab ID:** 2111A59-001

**Matrix:** SOIL

**Received Date:** 11/20/2021 10:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1200	60		mg/Kg	20	11/21/2021 5:11:51 AM	64071
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/22/2021 9:43:52 PM	64106
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/22/2021 9:43:52 PM	64106
Surr: DNOP	97.3	70-130		%Rec	1	11/22/2021 9:43:52 PM	64106
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	11/20/2021 4:07:00 PM	R83010
Surr: BFB	98.2	70-130		%Rec	1	11/20/2021 4:07:00 PM	R83010
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.019		mg/Kg	1	11/20/2021 4:07:00 PM	R83010
Toluene	ND	0.039		mg/Kg	1	11/20/2021 4:07:00 PM	R83010
Ethylbenzene	ND	0.039		mg/Kg	1	11/20/2021 4:07:00 PM	R83010
Xylenes, Total	ND	0.078		mg/Kg	1	11/20/2021 4:07:00 PM	R83010
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	11/20/2021 4:07:00 PM	R83010

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

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

**Analytical Report**

Lab Order **2111A59**

Date Reported: **11/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** B-1-20FT

**Project:** White Spill

**Collection Date:** 11/18/2021 10:30:00 AM

**Lab ID:** 2111A59-002

**Matrix:** SOIL

**Received Date:** 11/20/2021 10:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	900	61		mg/Kg	20	11/21/2021 5:24:12 AM	64071
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/22/2021 10:56:30 PM	64106
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/22/2021 10:56:30 PM	64106
Surr: DNOP	96.4	70-130		%Rec	1	11/22/2021 10:56:30 PM	64106
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	2.5		mg/Kg	1	11/20/2021 4:26:00 PM	R83010
Surr: BFB	97.6	70-130		%Rec	1	11/20/2021 4:26:00 PM	R83010
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.012		mg/Kg	1	11/20/2021 4:26:00 PM	R83010
Toluene	ND	0.025		mg/Kg	1	11/20/2021 4:26:00 PM	R83010
Ethylbenzene	ND	0.025		mg/Kg	1	11/20/2021 4:26:00 PM	R83010
Xylenes, Total	ND	0.050		mg/Kg	1	11/20/2021 4:26:00 PM	R83010
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	11/20/2021 4:26:00 PM	R83010

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

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

**Analytical Report**

Lab Order **2111A59**

Date Reported: **11/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** B-1-22FT

**Project:** White Spill

**Collection Date:** 11/18/2021 11:00:00 AM

**Lab ID:** 2111A59-003

**Matrix:** SOIL

**Received Date:** 11/20/2021 10:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	2000	60		mg/Kg	20	11/21/2021 5:36:32 AM	64071
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/22/2021 11:20:34 PM	64106
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/22/2021 11:20:34 PM	64106
Surr: DNOP	90.4	70-130		%Rec	1	11/22/2021 11:20:34 PM	64106
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	11/20/2021 4:46:00 PM	R83010
Surr: BFB	97.8	70-130		%Rec	1	11/20/2021 4:46:00 PM	R83010
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.021		mg/Kg	1	11/20/2021 4:46:00 PM	R83010
Toluene	ND	0.042		mg/Kg	1	11/20/2021 4:46:00 PM	R83010
Ethylbenzene	ND	0.042		mg/Kg	1	11/20/2021 4:46:00 PM	R83010
Xylenes, Total	ND	0.083		mg/Kg	1	11/20/2021 4:46:00 PM	R83010
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	11/20/2021 4:46:00 PM	R83010

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

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

**Analytical Report**

Lab Order **2111A59**

Date Reported: **11/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** B-1-24FT

**Project:** White Spill

**Collection Date:** 11/18/2021 11:30:00 AM

**Lab ID:** 2111A59-004

**Matrix:** SOIL

**Received Date:** 11/20/2021 10:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	400	60		mg/Kg	20	11/21/2021 5:48:54 AM	64071
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/22/2021 11:44:46 PM	64106
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/22/2021 11:44:46 PM	64106
Surr: DNOP	90.3	70-130		%Rec	1	11/22/2021 11:44:46 PM	64106
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	11/20/2021 5:05:00 PM	R83010
Surr: BFB	96.6	70-130		%Rec	1	11/20/2021 5:05:00 PM	R83010
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.018		mg/Kg	1	11/20/2021 5:05:00 PM	R83010
Toluene	ND	0.035		mg/Kg	1	11/20/2021 5:05:00 PM	R83010
Ethylbenzene	ND	0.035		mg/Kg	1	11/20/2021 5:05:00 PM	R83010
Xylenes, Total	ND	0.070		mg/Kg	1	11/20/2021 5:05:00 PM	R83010
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	11/20/2021 5:05:00 PM	R83010

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

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

**Analytical Report**

Lab Order **2111A59**

Date Reported: **11/30/2021**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Safety & Environmental Solutions

**Client Sample ID:** R-3-Surface

**Project:** White Spill

**Collection Date:** 11/18/2021 1:45:00 PM

**Lab ID:** 2111A59-005

**Matrix:** SOIL

**Received Date:** 11/20/2021 10:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1600	60		mg/Kg	20	11/21/2021 6:01:15 AM	64071
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	46	9.7		mg/Kg	1	11/23/2021 11:09:23 AM	64106
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/23/2021 11:09:23 AM	64106
Surr: DNOP	83.6	70-130		%Rec	1	11/23/2021 11:09:23 AM	64106
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	11/20/2021 6:24:00 PM	R83010
Surr: BFB	97.6	70-130		%Rec	1	11/20/2021 6:24:00 PM	R83010
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	11/20/2021 6:24:00 PM	R83010
Toluene	ND	0.045		mg/Kg	1	11/20/2021 6:24:00 PM	R83010
Ethylbenzene	ND	0.045		mg/Kg	1	11/20/2021 6:24:00 PM	R83010
Xylenes, Total	ND	0.090		mg/Kg	1	11/20/2021 6:24:00 PM	R83010
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	11/20/2021 6:24:00 PM	R83010

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

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A59

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>MB-64071</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64071</b>	RunNo: <b>83012</b>								
Prep Date: <b>11/20/2021</b>	Analysis Date: <b>11/21/2021</b>	SeqNo: <b>2947964</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64071</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64071</b>	RunNo: <b>83012</b>								
Prep Date: <b>11/20/2021</b>	Analysis Date: <b>11/21/2021</b>	SeqNo: <b>2947965</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.5	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A59

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>MB-64080</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64080</b>	RunNo: <b>83031</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2948817</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		93.6	70	130			

Sample ID: <b>LCS-64083</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64083</b>	RunNo: <b>83031</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2948818</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.6	70	130			

Sample ID: <b>LCS-64080</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64080</b>	RunNo: <b>83031</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2948819</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.2	70	130			

Sample ID: <b>2111A59-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>B-1-18FT</b>	Batch ID: <b>64106</b>	RunNo: <b>83036</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2950324</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.6	48.03	0	94.6	39.3	155			
Surr: DNOP	4.3		4.803		89.3	70	130			

Sample ID: <b>2111A59-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>B-1-18FT</b>	Batch ID: <b>64106</b>	RunNo: <b>83036</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2950325</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.4	46.99	0	88.8	39.3	155	8.46	23.4	
Surr: DNOP	4.1		4.699		87.9	70	130	0	0	

Sample ID: <b>LCS-64106</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64106</b>	RunNo: <b>83036</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2950330</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.5	68.9	135			
Surr: DNOP	3.9		5.000		77.4	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A59

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>MB-64106</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64106</b>	RunNo: <b>83036</b>								
Prep Date: <b>11/22/2021</b>	Analysis Date: <b>11/22/2021</b>	SeqNo: <b>2950331</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.2	70	130			

**Qualifiers:**

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A59

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>R83010</b>	RunNo: <b>83010</b>								
Prep Date:	Analysis Date: <b>11/20/2021</b>	SeqNo: <b>2947858</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.3	70	130			

Sample ID: <b>2.5ug GRO lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>R83010</b>	RunNo: <b>83010</b>								
Prep Date:	Analysis Date: <b>11/20/2021</b>	SeqNo: <b>2947859</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.3	78.6	131			
Surr: BFB	1100		1000		113	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2111A59

30-Nov-21

**Client:** Safety & Environmental Solutions

**Project:** White Spill

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>R83010</b>	RunNo: <b>83010</b>								
Prep Date:	Analysis Date: <b>11/20/2021</b>	SeqNo: <b>2947873</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	70	130			

Sample ID: <b>100ng BTEX Ics</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>R83010</b>	RunNo: <b>83010</b>								
Prep Date:	Analysis Date: <b>11/20/2021</b>	SeqNo: <b>2947874</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.91	0.050	1.000	0	91.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.2	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.7	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 Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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

Sample Log-In Check List

Client Name: Safety & Environmental Solutions Work Order Number: 2111A59 RcptNo: 1

Received By: Juan Rojas 11/20/2021 10:35:00 AM [Signature]

Completed By: Juan Rojas 11/20/2021 11:16:02 AM [Signature]

Reviewed By: [Signature] 11/20/2021

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH:
Adjusted?
Checked by: [Signature] 11/20/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_
By Whom: \_\_\_\_\_ Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person
Regarding: \_\_\_\_\_
Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.9, Good, [ ], [ ], [ ]

### Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 Clinton Hobbs, NM 88246

Phone #: (575) 397-0510

email or Fax#: \_\_\_\_\_

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

Accreditation:  AZ Compliance  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time: \_\_\_\_\_

Standard  Rush Next Day

Project Name: White Spill

Project #: EOG-21-003

Project Manager: Bob Allen

Sampler: Roberto Martinez Jr

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including CF): 2.1-10.2 = 1.9 (°C)

Container Type and #

Preservative Type

HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11-18	1015	Soil	B-1 - 18 ft	1 Glass	Ice	-001
11-18	1030	Soil	B-1 - 20 ft	1 Glass	Ice	-002
11-18	1100	Soil	B-1 - 22 ft	1 Glass	Ice	-003
11-18	1130	Soil	B-1 - 24 ft	1 Glass	Ice	-004
11-18	1345	Soil	R-3 - Surface	1 Glass	Ice	-005

Date	Time	Relinquished by:	Relinquished by:	Via:	Date	Time
11-18	1900	<u>RJA</u>	<u>Bob Boyer</u>		11/19	
11-19	1330	<u>Bob Boyer</u>	<u>Bob Boyer</u>		11/19/21	1345

Analysis Request	
BTEX / MTBE / TMS (8021)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	<input checked="" type="checkbox"/>

Remarks: Bill EOG Resourc

11/19/21 1900  
11/19/21 1330  
11/19/21 1345



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

February 01, 2022

Bob Allen  
Safety & Environmental Solutions  
703 East Clinton  
Hobbs, NM 88240

RE: WHITE IU #2

Enclosed are the results of analyses for samples received by the laboratory on 01/31/22 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	01/31/2022	Sampling Date:	01/31/2022
Reported:	02/01/2022	Sampling Type:	Soil
Project Name:	WHITE IU #2	Sampling Condition:	Cool & Intact
Project Number:	EOG - 21 -003	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

**Sample ID: R - 2 6 " (H220364-01)**

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49		
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73		
Total BTEX	<0.300	0.300	02/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	02/01/2022	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	197	98.5	200	7.48		
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	234	117	200	6.01		
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND						

Surrogate: 1-Chlorooctane 67.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.9 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	01/31/2022	Sampling Date:	01/31/2022
Reported:	02/01/2022	Sampling Type:	Soil
Project Name:	WHITE IU #2	Sampling Condition:	Cool & Intact
Project Number:	EOG - 21 -003	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

**Sample ID: R - 3 6 " (H220364-02)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEX	<0.300	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	02/01/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	197	98.5	200	7.48	
<b>DRO &gt;C10-C28*</b>	<b>23.6</b>	10.0	02/01/2022	ND	234	117	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	01/31/2022	Sampling Date:	01/31/2022
Reported:	02/01/2022	Sampling Type:	Soil
Project Name:	WHITE IU #2	Sampling Condition:	Cool & Intact
Project Number:	EOG - 21 -003	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

**Sample ID: SP - 1 SURFACE (H220364-03)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEX	<0.300	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	02/01/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	197	98.5	200	7.48	
<b>DRO &gt;C10-C28*</b>	<b>17.5</b>	10.0	02/01/2022	ND	234	117	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	01/31/2022	Sampling Date:	01/31/2022
Reported:	02/01/2022	Sampling Type:	Soil
Project Name:	WHITE IU #2	Sampling Condition:	Cool & Intact
Project Number:	EOG - 21 -003	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

**Sample ID: SP - 2 SURFACE (H220364-04)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEX	<0.300	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	02/01/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	197	98.5	200	7.48	
<b>DRO &gt;C10-C28*</b>	<b>12.4</b>	10.0	02/01/2022	ND	234	117	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Safety & Environmental Solutions  
 Bob Allen  
 703 East Clinton  
 Hobbs NM, 88240  
 Fax To: (575) 393-4388

Received:	01/31/2022	Sampling Date:	01/31/2022
Reported:	02/01/2022	Sampling Type:	Soil
Project Name:	WHITE IU #2	Sampling Condition:	Cool & Intact
Project Number:	EOG - 21 -003	Sample Received By:	Tamara Oldaker
Project Location:	EOG - EDDY CO NM		

**Sample ID: SP - 3 SURFACE (H220364-05)**

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEX	<0.300	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/01/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2022	ND	197	98.5	200	7.48	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	234	117	200	6.01	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>SESI</b> Project Manager: <b>Allen, Bob</b> Address: <b>703 E. ELSTON</b> City: <b>Hobbs</b> State: <b>NM</b> zip: <b>88240</b> Phone #: <b>575-393-2326</b> Fax #: <b></b> Project #: <b>EDG-21-003</b> Project Owner: <b>EDG</b> Project Name: <b>WHITE IR #2</b> Resources Project Location: <b>EDDI County</b> Sampler Name: <b>Dora Gray</b>		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. <b>H225364</b> Sample I.D.		BILL TO ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subcontractors, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		(G)RAB OR (C)OMP. # CONTAINERS MATRIX PRESERV SAMPLING	
Relinquished By: <i>[Signature]</i> Date: <b>01/31/22</b> Received By: <i>[Signature]</i> Date: <b>01/31</b>		DATE TIME	
Delivered By: (Circle One) <b>UPS</b> Observed Temp. °C <b>3.9</b> Corrected Temp. °C <b>3.4</b>		Turnaround Time: <b>EDG</b>	
Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) <input checked="" type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	
Remarks: <b>B111</b>		Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



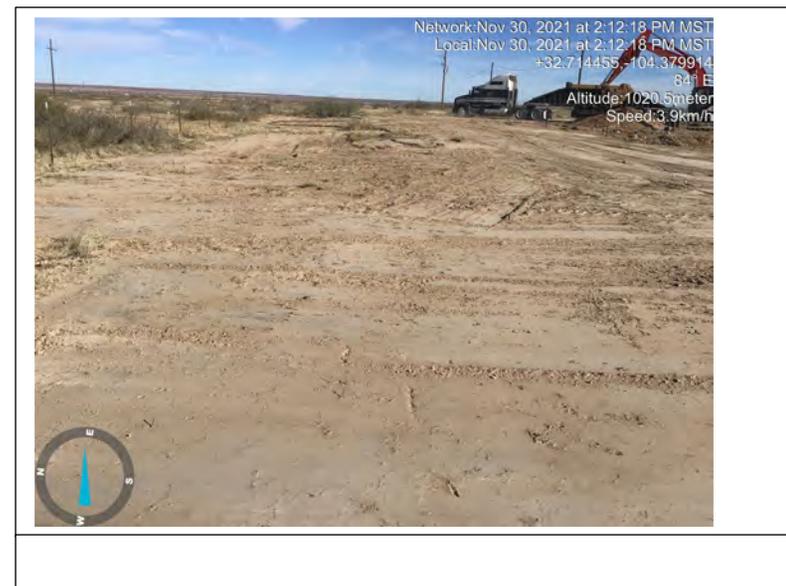
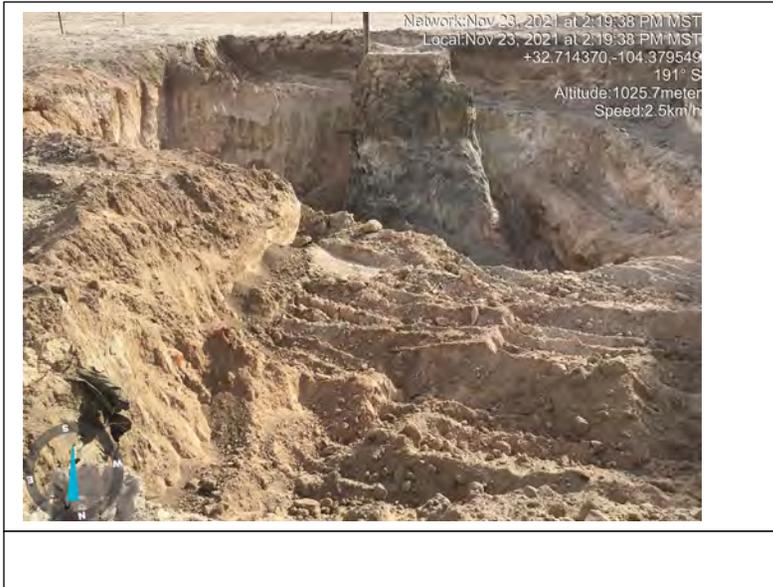
## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



# EOG Resources – White UI #2

## Initial Site photos, Excavation & Remediation



# EOG Resources – White UI #2

## Initial Site photos, Excavation & Remediation



## EOG Resources – White UI #2 Initial Site photos, Excavation & Remediation



# EOG Resources – White UI #2

## Initial Site photos, Excavation & Remediation



# EOG Resources – White UI #2

## Initial Site photos, Excavation & Remediation



# EOG Resources – White UI #2

## Initial Site photos, Excavation & Remediation



# EOG Resources – White UI #2

## Initial Site photos, Excavation & Remediation



**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 91036

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 91036
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Very confusing and unorganized report.	3/22/2022