

**EOG Resources, Inc.
Morris Estate CC Tank Battery**

Closure Report

**UL M, Section 14, T17S, R25E
Eddy County, New Mexico**

NAPP2127935396

November 15, 2021



Prepared for:

**EOG Resources, Inc.
104 S. 4th 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	Chase_Settle@eogresources.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by EOG Resources to perform a site assessment at the Morris Estate CC Battery. According to the C-141, an unknown amount of oil and potentially produced water was released. Historical impacts were discovered during the battery decommissioning. It was determined that based on the impacted area, the release likely breached the reportable volume threshold. This site is situated in Eddy County, Section 14, Township 17S, and Range 25E.

SESI personnel performed an assessment of the site in September of 2021 based on generator 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; however, since no wells less than 25 years old and less than a half mile away are known to be present, SESI will delineate this release to the most stringent criteria established by NMOCD.

Characterization

In October of 2021, SESI personnel performed sampling to determine vertical extent of the release. SESI advanced auger holes within the leak area. 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 Morris Estate CC Battery Soil Sample Results: Hall Environmental Laboratories 9/29/21								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
TT-1 @ 1'	1900	310	6000	2900	ND	ND	0.79	4.4
TT-1 @ 5'	4500	2400	16000	6200	0.34	8.1	17	110
TT-1 @ 10'	4000	660	8100	3400	ND	0.49	1.9	25
TT-1 @ 15.5'	1300	13	730	370	ND	ND	ND	0.18
TT-2 @ 1'	ND	ND	40	310	ND	ND	ND	ND
TT-2 @ 2'	ND	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 to depth in establishing the vertical extent in the singular area identified in the delineation. In October of 2021, contaminated material was removed by excavating the affected area. 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.

EOG Resources Morris Estate CC Battery Soil Sample Results: Hall Environmental Laboratories 10/13/21								
SAMPLE ID	Chloride	GRO	DRO	MRO	Benzene	Toluene	Ethyl benzene	Total Xylenes
TT-1 @ 17'	290	ND	ND	ND	ND	ND	ND	ND
North Wall	ND	ND	ND	ND	ND	ND	ND	ND
East Wall	320	ND	ND	ND	ND	ND	ND	ND
South Wall	310	ND	ND	ND	ND	ND	ND	ND
West Wall	ND	ND	ND	ND	ND	ND	ND	ND
SP-1 @ Surf	330	ND	14	80	ND	ND	ND	ND
SP-2 @ Surf	200	ND	ND	ND	ND	ND	ND	ND
SP-3 @ Surf	330	ND	13	88	ND	ND	ND	ND
SP-4 @ Surf	87	ND	ND	ND	ND	ND	ND	ND
SP-5 @ Surf	170	ND	ND	ND	ND	ND	ND	ND
SP-6 @ Surf	90	ND	ND	ND	ND	ND	ND	ND
SP-7 @ Surf	320	ND	ND	65	ND	ND	ND	ND
SP-8 @ Surf	170	ND	ND	ND	ND	ND	ND	ND
SP-9 @ Surf	330	ND	ND	ND	ND	ND	ND	ND
SP-10 @ Surf	170	ND	ND	ND	ND	ND	ND	ND
Horizontal Extent								
South Surface	88	ND	ND	ND	ND	ND	ND	ND
East Surface	90	ND	ND	ND	ND	ND	ND	ND
North Surface	170	ND	ND	ND	ND	ND	ND	ND
West Surface	170	ND	ND	ND	ND	ND	ND	ND

Once sample results verified both successful remediation and horizontal extent, the site was backfilled with clean soil. Pictures of the remediation are included in this report. The Vertical extent of the release was caught at a depth of 17'. Confirmation samples of the depth, and side walls showed no further migration.

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 Resources, Inc, respectfully requests closure of this release. Supplemental information has been included in this report to support our closure request.

Supplemental Documentation for Closure

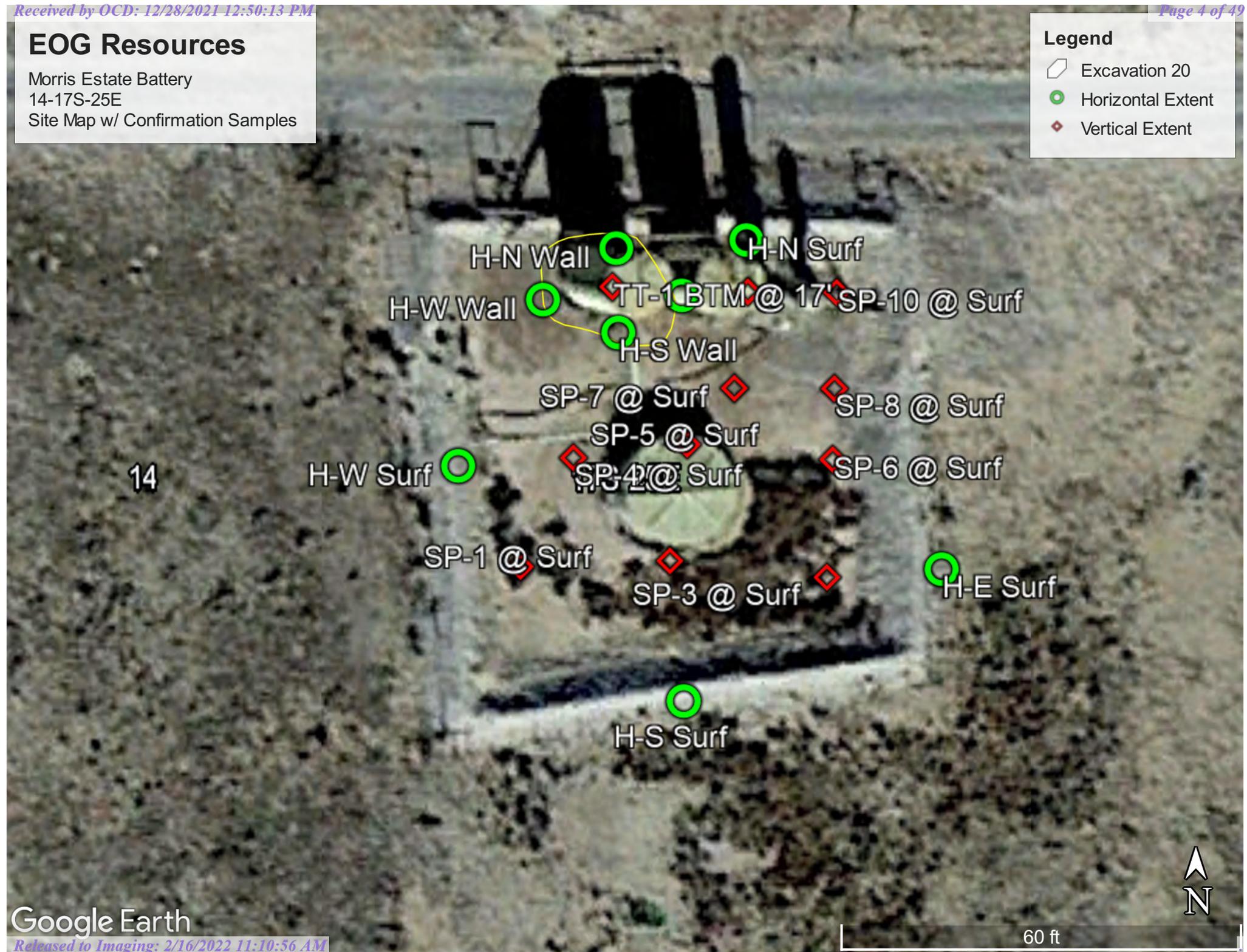
Map of Release with sample locations
 Photos of release and remediation
 NMOCD Oil and Gas Map
 BLM Cave Karst Map
 FEMA Floodplain Map
 Laboratory Analysis
 C-141, pages 3-6

EOG Resources

Morris Estate Battery
14-17S-25E
Site Map w/ Confirmation Samples

Legend

-  Excavation 20
-  Horizontal Extent
-  Vertical Extent

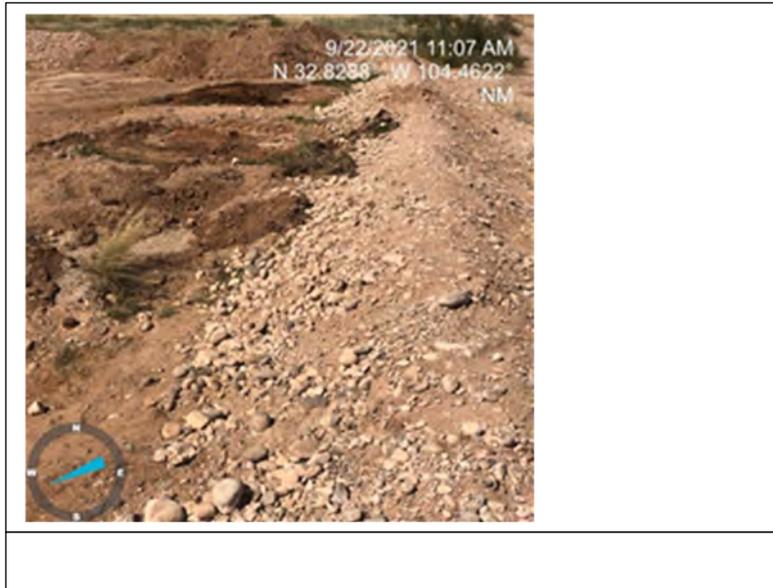


14

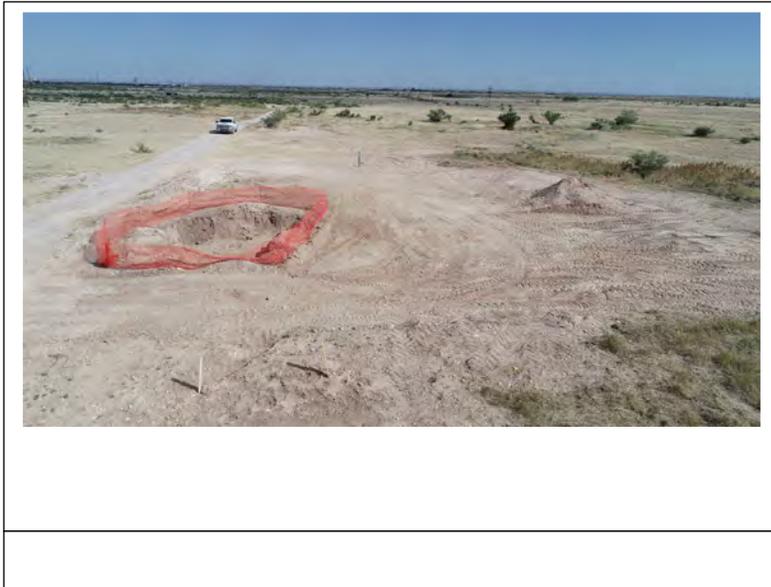
EOG Resources – Morris Estate CC Battery Site Photos Excavation and Remediation



EOG Resources – Morris Estate CC Battery Site Photos Excavation and Remediation



EOG Resources – Morris Estate CC Battery Site Photos Excavation and Remediation



EOG Resources – Morris Estate CC Battery Site Photos Excavation and Remediation



EOG Resources – Morris Estate CC Battery Site Photos Excavation and Remediation

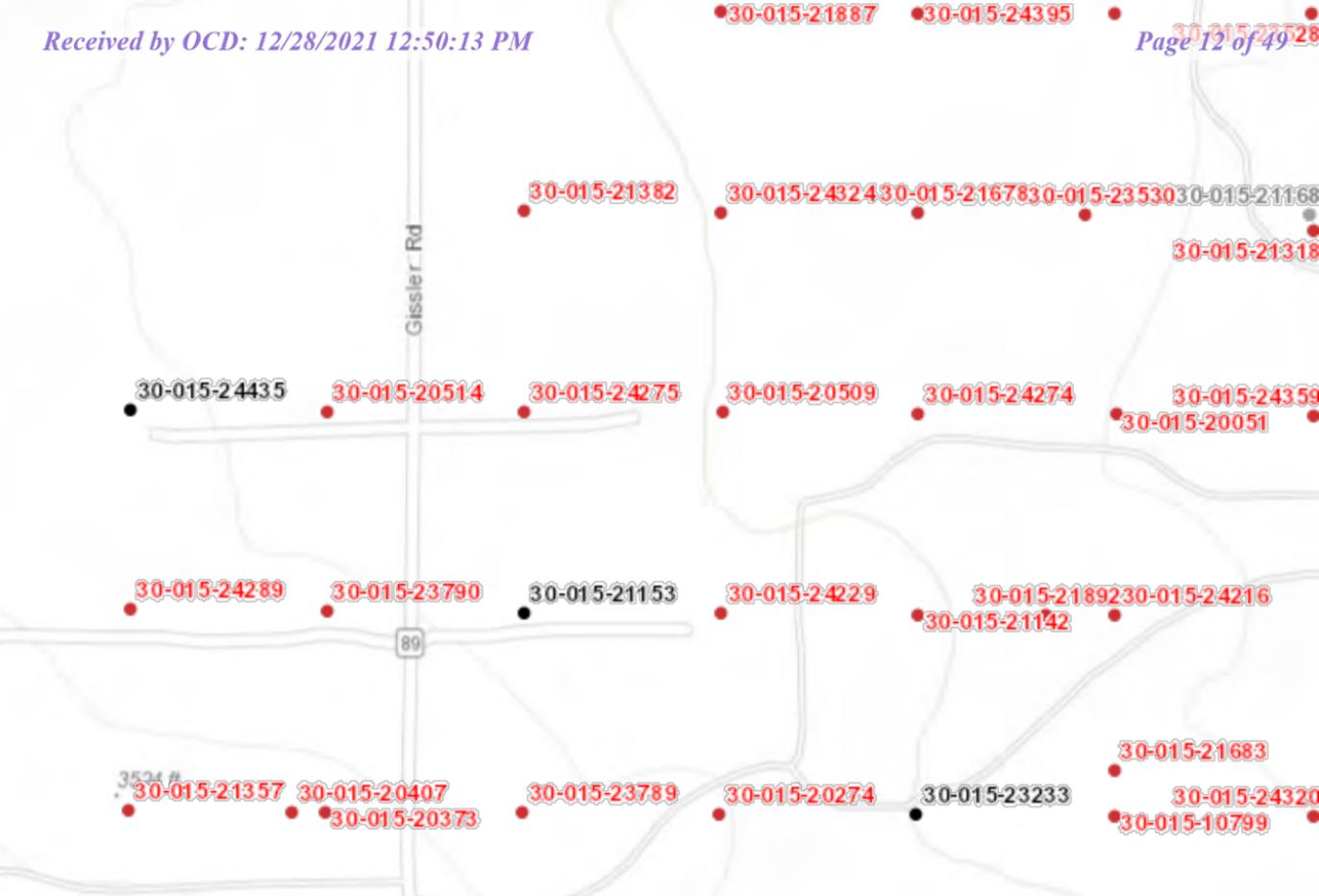


EOG Resources – Morris Estate CC Battery Site Photos Excavation and Remediation



EOG Resources – Morris Estate CC Battery Site Photos Excavation and Remediation





Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/

NASA, FRA, USDA, OJ

Conservation Division of the New Mexico Energy, Minerals and Natural Resources

Department, OCD

EOG - Morris Estate

14-17S-25E
Karst Map - Low

Legend

 EOG Morris Estate CC Battery

89

W Dallas Ave

Gissler Rd

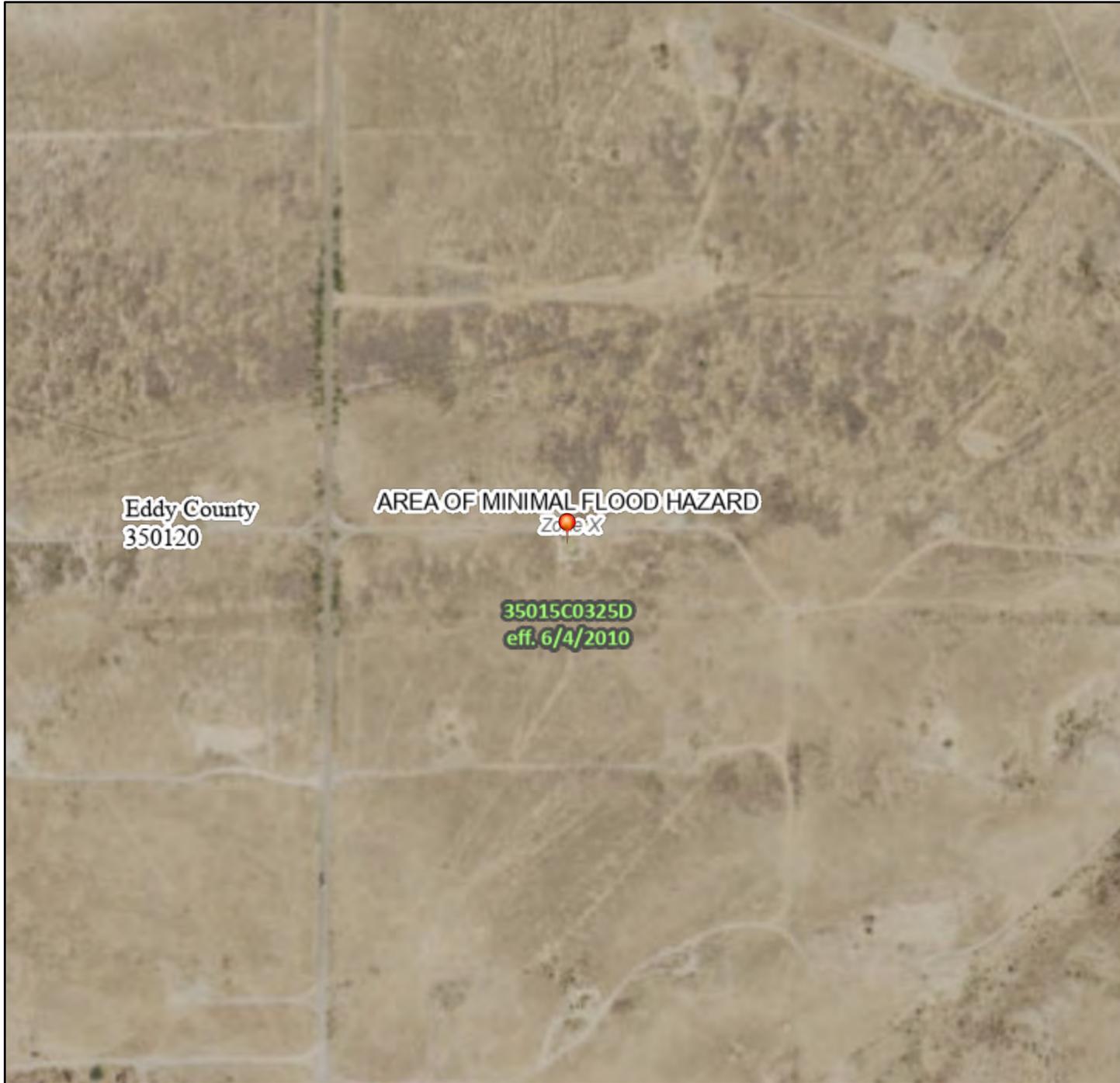
Google Earth



National Flood Hazard Layer FIRMette



104°28'3"W 32°49'59"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 |
| | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| GENERAL STRUCTURES | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 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 |
| | | Coastal Transect Baseline |
| | Profile Baseline | |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



0 250 500 1,500 2,000 Feet 1:6,000

104°27'26"W 32°49'28"N

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/22/2021 at 3:22 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.



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

October 29, 2021

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

RE: EOG Morris Estate CC Batt

OrderNo.: 2110B22

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 19 sample(s) on 10/23/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com 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 2110B22

Date Reported: 10/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: TT-1 17ft

Project: EOG Morris Estate CC Batt

Collection Date: 10/13/2021 10:00:00 AM

Lab ID: 2110B22-001

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	290	60		mg/Kg	20	10/27/2021 3:39:18 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/26/2021 10:02:16 PM	63531
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 10:02:16 PM	63531
Surr: DNOP	106	70-130		%Rec	1	10/26/2021 10:02:16 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/26/2021 2:28:00 PM	63523
Surr: BFB	103	70-130		%Rec	5	10/26/2021 2:28:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	10/26/2021 2:28:00 PM	63523
Toluene	ND	0.24		mg/Kg	5	10/26/2021 2:28:00 PM	63523
Ethylbenzene	ND	0.24		mg/Kg	5	10/26/2021 2:28:00 PM	63523
Xylenes, Total	ND	0.49		mg/Kg	5	10/26/2021 2:28:00 PM	63523
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	10/26/2021 2:28:00 PM	63523

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

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

Page 1 of 24

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: North Wall

Project: EOG Morris Estate CC Batt

Collection Date: 10/13/2021 10:15:00 AM

Lab ID: 2110B22-002

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/27/2021 3:51:43 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 10:34:17 PM	63531
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/26/2021 10:34:17 PM	63531
Surr: DNOP	129	70-130		%Rec	1	10/26/2021 10:34:17 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2021 3:26:00 PM	63523
Surr: BFB	96.9	70-130		%Rec	1	10/26/2021 3:26:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 3:26:00 PM	63523
Toluene	ND	0.049		mg/Kg	1	10/26/2021 3:26:00 PM	63523
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2021 3:26:00 PM	63523
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2021 3:26:00 PM	63523
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/26/2021 3:26:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: East Wall

Project: EOG Morris Estate CC Batt

Collection Date: 10/13/2021 10:35:00 AM

Lab ID: 2110B22-003

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	320	60		mg/Kg	20	10/27/2021 4:04:07 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/26/2021 10:44:54 PM	63531
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 10:44:54 PM	63531
Surr: DNOP	103	70-130		%Rec	1	10/26/2021 10:44:54 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/26/2021 5:04:00 PM	63523
Surr: BFB	101	70-130		%Rec	5	10/26/2021 5:04:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	10/26/2021 5:04:00 PM	63523
Toluene	ND	0.24		mg/Kg	5	10/26/2021 5:04:00 PM	63523
Ethylbenzene	ND	0.24		mg/Kg	5	10/26/2021 5:04:00 PM	63523
Xylenes, Total	ND	0.49		mg/Kg	5	10/26/2021 5:04:00 PM	63523
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	10/26/2021 5:04:00 PM	63523

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		

Analytical Report

Lab Order 2110B22

Date Reported: 10/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: South Wall

Project: EOG Morris Estate CC Batt

Collection Date: 10/13/2021 11:00:00 AM

Lab ID: 2110B22-004

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	310	60		mg/Kg	20	10/27/2021 4:16:32 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/26/2021 10:55:31 PM	63531
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 10:55:31 PM	63531
Surr: DNOP	99.9	70-130		%Rec	1	10/26/2021 10:55:31 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2021 5:24:00 PM	63523
Surr: BFB	103	70-130		%Rec	1	10/26/2021 5:24:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 5:24:00 PM	63523
Toluene	ND	0.049		mg/Kg	1	10/26/2021 5:24:00 PM	63523
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2021 5:24:00 PM	63523
Xylenes, Total	ND	0.098		mg/Kg	1	10/26/2021 5:24:00 PM	63523
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/26/2021 5:24:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: West Wall

Project: EOG Morris Estate CC Batt

Collection Date: 10/13/2021 11:15:00 AM

Lab ID: 2110B22-005

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/27/2021 4:28:56 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/26/2021 11:06:07 PM	63531
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 11:06:07 PM	63531
Surr: DNOP	95.1	70-130		%Rec	1	10/26/2021 11:06:07 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 5:43:00 PM	63523
Surr: BFB	101	70-130		%Rec	1	10/26/2021 5:43:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 5:43:00 PM	63523
Toluene	ND	0.050		mg/Kg	1	10/26/2021 5:43:00 PM	63523
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 5:43:00 PM	63523
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2021 5:43:00 PM	63523
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/26/2021 5:43:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-1 Surface

Project: EOG Morris Estate CC Batt

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

Lab ID: 2110B22-006

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	330	59		mg/Kg	20	10/27/2021 4:41:21 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	14	9.5		mg/Kg	1	10/27/2021 10:58:29 AM	63531
Motor Oil Range Organics (MRO)	80	48		mg/Kg	1	10/27/2021 10:58:29 AM	63531
Surr: DNOP	113	70-130		%Rec	1	10/27/2021 10:58:29 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 6:03:00 PM	63523
Surr: BFB	98.9	70-130		%Rec	1	10/26/2021 6:03:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 6:03:00 PM	63523
Toluene	ND	0.050		mg/Kg	1	10/26/2021 6:03:00 PM	63523
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 6:03:00 PM	63523
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2021 6:03:00 PM	63523
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/26/2021 6:03:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-2 Surface

Project: EOG Morris Estate CC Batt

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

Lab ID: 2110B22-007

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	200	60		mg/Kg	20	10/27/2021 4:53:45 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/26/2021 11:27:20 PM	63531
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/26/2021 11:27:20 PM	63531
Surr: DNOP	152	70-130	S	%Rec	1	10/26/2021 11:27:20 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2021 6:22:00 PM	63523
Surr: BFB	98.8	70-130		%Rec	1	10/26/2021 6:22:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 6:22:00 PM	63523
Toluene	ND	0.049		mg/Kg	1	10/26/2021 6:22:00 PM	63523
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2021 6:22:00 PM	63523
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2021 6:22:00 PM	63523
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/26/2021 6:22:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-3 Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 10:40:00 AM

Lab ID: 2110B22-008

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	330	60		mg/Kg	20	10/27/2021 5:06:09 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	13	9.6		mg/Kg	1	10/27/2021 11:10:13 AM	63531
Motor Oil Range Organics (MRO)	88	48		mg/Kg	1	10/27/2021 11:10:13 AM	63531
Surr: DNOP	116	70-130		%Rec	1	10/27/2021 11:10:13 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2021 6:42:00 PM	63523
Surr: BFB	93.9	70-130		%Rec	1	10/26/2021 6:42:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/26/2021 6:42:00 PM	63523
Toluene	ND	0.048		mg/Kg	1	10/26/2021 6:42:00 PM	63523
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2021 6:42:00 PM	63523
Xylenes, Total	ND	0.096		mg/Kg	1	10/26/2021 6:42:00 PM	63523
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/26/2021 6:42:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-4 Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 10:55:00 AM

Lab ID: 2110B22-009

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	87	60		mg/Kg	20	10/27/2021 5:18:34 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/27/2021 11:21:58 AM	63531
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/27/2021 11:21:58 AM	63531
Surr: DNOP	119	70-130		%Rec	1	10/27/2021 11:21:58 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 7:02:00 PM	63523
Surr: BFB	96.0	70-130		%Rec	1	10/26/2021 7:02:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 7:02:00 PM	63523
Toluene	ND	0.050		mg/Kg	1	10/26/2021 7:02:00 PM	63523
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 7:02:00 PM	63523
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2021 7:02:00 PM	63523
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/26/2021 7:02:00 PM	63523

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	

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-5 Surface

Project: EOG Morris Estate CC Batt

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

Lab ID: 2110B22-010

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	170	60		mg/Kg	20	10/27/2021 5:30:58 AM	63581
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/26/2021 11:59:05 PM	63531
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 11:59:05 PM	63531
Surr: DNOP	149	70-130	S	%Rec	1	10/26/2021 11:59:05 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2021 7:21:00 PM	63523
Surr: BFB	95.7	70-130		%Rec	1	10/26/2021 7:21:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 7:21:00 PM	63523
Toluene	ND	0.049		mg/Kg	1	10/26/2021 7:21:00 PM	63523
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2021 7:21:00 PM	63523
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2021 7:21:00 PM	63523
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/26/2021 7:21:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-6 Surface

Project: EOG Morris Estate CC Batt

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

Lab ID: 2110B22-011

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	90	60		mg/Kg	20	10/26/2021 6:02:53 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/27/2021 11:33:57 AM	63531
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/27/2021 11:33:57 AM	63531
Surr: DNOP	146	70-130	S	%Rec	1	10/27/2021 11:33:57 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2021 7:41:00 PM	63523
Surr: BFB	95.1	70-130		%Rec	1	10/26/2021 7:41:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/26/2021 7:41:00 PM	63523
Toluene	ND	0.049		mg/Kg	1	10/26/2021 7:41:00 PM	63523
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2021 7:41:00 PM	63523
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2021 7:41:00 PM	63523
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	10/26/2021 7:41:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-7 Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 11:50:00 AM

Lab ID: 2110B22-012

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	320	60		mg/Kg	20	10/26/2021 7:04:41 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/27/2021 11:45:49 AM	63531
Motor Oil Range Organics (MRO)	65	48		mg/Kg	1	10/27/2021 11:45:49 AM	63531
Surr: DNOP	100	70-130		%Rec	1	10/27/2021 11:45:49 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/26/2021 8:00:00 PM	63523
Surr: BFB	97.5	70-130		%Rec	1	10/26/2021 8:00:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/26/2021 8:00:00 PM	63523
Toluene	ND	0.047		mg/Kg	1	10/26/2021 8:00:00 PM	63523
Ethylbenzene	ND	0.047		mg/Kg	1	10/26/2021 8:00:00 PM	63523
Xylenes, Total	ND	0.093		mg/Kg	1	10/26/2021 8:00:00 PM	63523
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	10/26/2021 8:00:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-8 Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 12:20:00 PM

Lab ID: 2110B22-013

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	60		mg/Kg	20	10/26/2021 7:41:45 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/27/2021 12:30:40 AM	63531
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/27/2021 12:30:40 AM	63531
Surr: DNOP	142	70-130	S	%Rec	1	10/27/2021 12:30:40 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2021 8:59:00 PM	63523
Surr: BFB	98.8	70-130		%Rec	1	10/26/2021 8:59:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/26/2021 8:59:00 PM	63523
Toluene	ND	0.046		mg/Kg	1	10/26/2021 8:59:00 PM	63523
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2021 8:59:00 PM	63523
Xylenes, Total	ND	0.092		mg/Kg	1	10/26/2021 8:59:00 PM	63523
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/26/2021 8:59:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-9 Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 12:35:00 PM

Lab ID: 2110B22-014

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	330	60		mg/Kg	20	10/26/2021 7:54:07 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/27/2021 11:57:49 AM	63531
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/27/2021 11:57:49 AM	63531
Surr: DNOP	147	70-130	S	%Rec	1	10/27/2021 11:57:49 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 9:19:00 PM	63523
Surr: BFB	97.4	70-130		%Rec	1	10/26/2021 9:19:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 9:19:00 PM	63523
Toluene	ND	0.050		mg/Kg	1	10/26/2021 9:19:00 PM	63523
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 9:19:00 PM	63523
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2021 9:19:00 PM	63523
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/26/2021 9:19:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-10 Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 1:00:00 PM

Lab ID: 2110B22-015

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	59		mg/Kg	20	10/26/2021 8:06:28 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/27/2021 12:51:45 AM	63531
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/27/2021 12:51:45 AM	63531
Surr: DNOP	131	70-130	S	%Rec	1	10/27/2021 12:51:45 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/26/2021 9:38:00 PM	63523
Surr: BFB	98.1	70-130		%Rec	1	10/26/2021 9:38:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/26/2021 9:38:00 PM	63523
Toluene	ND	0.046		mg/Kg	1	10/26/2021 9:38:00 PM	63523
Ethylbenzene	ND	0.046		mg/Kg	1	10/26/2021 9:38:00 PM	63523
Xylenes, Total	ND	0.092		mg/Kg	1	10/26/2021 9:38:00 PM	63523
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/26/2021 9:38:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: South Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 1:10:00 PM

Lab ID: 2110B22-016

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	88	59		mg/Kg	20	10/26/2021 8:18:50 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/27/2021 12:09:55 PM	63531
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/27/2021 12:09:55 PM	63531
Surr: DNOP	115	70-130		%Rec	1	10/27/2021 12:09:55 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 9:58:00 PM	63523
Surr: BFB	95.7	70-130		%Rec	1	10/26/2021 9:58:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 9:58:00 PM	63523
Toluene	ND	0.050		mg/Kg	1	10/26/2021 9:58:00 PM	63523
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 9:58:00 PM	63523
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2021 9:58:00 PM	63523
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/26/2021 9:58:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: East Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 1:25:00 PM

Lab ID: 2110B22-017

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	90	60		mg/Kg	20	10/26/2021 8:31:11 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/27/2021 12:22:06 PM	63531
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/27/2021 12:22:06 PM	63531
Surr: DNOP	100	70-130		%Rec	1	10/27/2021 12:22:06 PM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 10:18:00 PM	63523
Surr: BFB	94.5	70-130		%Rec	1	10/26/2021 10:18:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 10:18:00 PM	63523
Toluene	ND	0.050		mg/Kg	1	10/26/2021 10:18:00 PM	63523
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 10:18:00 PM	63523
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2021 10:18:00 PM	63523
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/26/2021 10:18:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: North Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 1:35:00 PM

Lab ID: 2110B22-018

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	60		mg/Kg	20	10/26/2021 9:08:14 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/27/2021 1:23:26 AM	63531
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/27/2021 1:23:26 AM	63531
Surr: DNOP	111	70-130		%Rec	1	10/27/2021 1:23:26 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 10:37:00 PM	63523
Surr: BFB	95.7	70-130		%Rec	1	10/26/2021 10:37:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/26/2021 10:37:00 PM	63523
Toluene	ND	0.050		mg/Kg	1	10/26/2021 10:37:00 PM	63523
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 10:37:00 PM	63523
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2021 10:37:00 PM	63523
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	10/26/2021 10:37:00 PM	63523

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		

Analytical Report

Lab Order **2110B22**

Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: West Surface

Project: EOG Morris Estate CC Batt

Collection Date: 10/22/2021 1:45:00 PM

Lab ID: 2110B22-019

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	60		mg/Kg	20	10/26/2021 9:20:37 PM	63587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/27/2021 1:44:31 AM	63531
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/27/2021 1:44:31 AM	63531
Surr: DNOP	132	70-130	S	%Rec	1	10/27/2021 1:44:31 AM	63531
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2021 10:57:00 PM	63523
Surr: BFB	96.1	70-130		%Rec	1	10/26/2021 10:57:00 PM	63523
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/26/2021 10:57:00 PM	63523
Toluene	ND	0.049		mg/Kg	1	10/26/2021 10:57:00 PM	63523
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2021 10:57:00 PM	63523
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2021 10:57:00 PM	63523
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/26/2021 10:57:00 PM	63523

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B22

29-Oct-21

Client: Safety & Environmental Solutions

Project: EOG Morris Estate CC Batt

Sample ID: MB-63587	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63587	RunNo: 82360								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2921829	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63587	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63587	RunNo: 82360								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2921830	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: MB-63581	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63581	RunNo: 82359								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2922289	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63581	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63581	RunNo: 82359								
Prep Date: 10/26/2021	Analysis Date: 10/26/2021	SeqNo: 2922290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	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
- 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#: 2110B22

29-Oct-21

Client: Safety & Environmental Solutions

Project: EOG Morris Estate CC Batt

Sample ID: MB-63531	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63531	RunNo: 82349								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921758	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	70	130			

Sample ID: LCS-63557	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63557	RunNo: 82349								
Prep Date: 10/26/2021	Analysis Date: 10/27/2021	SeqNo: 2922031	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		86.5	70	130			

Sample ID: MB-63557	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63557	RunNo: 82349								
Prep Date: 10/26/2021	Analysis Date: 10/27/2021	SeqNo: 2922032	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		113	70	130			

Sample ID: MB-63573	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63573	RunNo: 82349								
Prep Date: 10/26/2021	Analysis Date: 10/28/2021	SeqNo: 2923815	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		126	70	130			

Sample ID: LCS-63531	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63531	RunNo: 82384								
Prep Date: 10/25/2021	Analysis Date: 10/27/2021	SeqNo: 2924367	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.5	68.9	135			
Surr: DNOP	5.3		5.000		105	70	130			

Sample ID: 2110B22-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TT-1 17ft	Batch ID: 63531	RunNo: 82384								
Prep Date: 10/25/2021	Analysis Date: 10/28/2021	SeqNo: 2924368	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	9.8	48.92	6.413	110	39.3	155			
Surr: DNOP	5.6		4.892		114	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B22

29-Oct-21

Client: Safety & Environmental Solutions

Project: EOG Morris Estate CC Batt

Sample ID: 2110B22-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TT-1 17ft	Batch ID: 63531	RunNo: 82384								
Prep Date: 10/25/2021	Analysis Date: 10/28/2021	SeqNo: 2924369			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.9	49.36	6.413	96.7	39.3	155	5.14	23.4	
Surr: DNOP	5.4		4.936		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
- 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#: 2110B22

29-Oct-21

Client: Safety & Environmental Solutions

Project: EOG Morris Estate CC Batt

Sample ID: mb-63523	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921517	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	70	130			

Sample ID: lcs-63523	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921519	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: 2110B22-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-1 17ft	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921522	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	24	23.58	0	129	61.3	114			S
Surr: BFB	4500		4717		96.4	70	130			

Sample ID: 2110B22-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TT-1 17ft	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921525	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	37	24	24.20	0	152	61.3	114	18.4	20	S
Surr: BFB	4800		4840		98.1	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B22

29-Oct-21

Client: Safety & Environmental Solutions

Project: EOG Morris Estate CC Batt

Sample ID: mb-63523	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921559	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

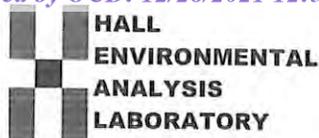
Sample ID: lcs-63523	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921561	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.1	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.7	70	130			

Sample ID: 2110B22-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: North Wall	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921564	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9425	0	116	80	120			
Toluene	1.1	0.047	0.9425	0	116	80	120			
Ethylbenzene	1.1	0.047	0.9425	0	118	80	120			
Xylenes, Total	3.3	0.094	2.828	0	117	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9425		106	70	130			

Sample ID: 2110B22-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: North Wall	Batch ID: 63523	RunNo: 82343								
Prep Date: 10/25/2021	Analysis Date: 10/26/2021	SeqNo: 2921567	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9588	0	107	80	120	6.46	20	
Toluene	1.1	0.048	0.9588	0	113	80	120	0.842	20	
Ethylbenzene	1.1	0.048	0.9588	0	112	80	120	3.51	20	
Xylenes, Total	3.1	0.096	2.876	0	108	80	120	5.90	20	
Surr: 4-Bromofluorobenzene	0.94		0.9588		98.0	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting 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: **2110B22** RcptNo: **1**

Received By: **Sean Livingston** 10/23/2021 9:15:00 AM *Sean Livingston*
 Completed By: **Sean Livingston** 10/23/2021 10:34:39 AM *Sean Livingston*
 Reviewed By: *See 10/23/21*

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes No NA
 4. Were all samples received at a temperature of >0° 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: *See 10/23/21*

Special Handling (if applicable)

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

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

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good				
2	-1.4	Good				
3	4.9	Good				

Chain-of-Custody Record

Client: Safety Environmental Solutions
 Mailing Address: 703 E Clayton
6666 N.M 88240
 Phone #: 575-397-0570
 email or Fax#: _____
 QA/QC Package: _____
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) _____

Turn-Around Time: Standard Rush
 Project Name: EOG
WATERS ESTATE CC FORT
 Project #: EOG-21-001

Project Manager: Allen, Bob
 Sampler: Sosa Jerry
 On Ice: Yes No
 # of Coolers: 3

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Cooler Temp (including CF):	Remarks (°C)
10/13	1000	S	T-1 17ft	()	Free	2110B22		
()	1015	S	North well	()	None	001		
()	1035	S	EAST WALL	()		002		
()	1100	S	SOUTH WALL	()		003		
10/13	1115	S	WEST WALL	()		004		
				()		005		
				()		006		
10/22	1010	S	SP-1 Surface	()		007		
()	1025	S	SP-2 Surface	()		008		
()	1040	S	SP-3 Surface	()		009		
()	1055	S	SP-4 Surface	()		010		
()	1110	S	SP-5 Surface	()		011		
10/22	1130	S	SP-6 Surface	()		012		

Received by: Allen Date: 10/28/21 16:30
 Received by: See courier Date: 10/23/21 9:15



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 ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	XX

Remarks: Rush
0.4 ± 0 = 0.6
-1.4 ± 0 = -1.4
4.9 ± 0 = 4.9
Samples not frozen See 10/23/21

Chain-of-Custody Record

Client: Safety & Environmental Solutions
 Mailing Address: 703 E. Chino
Albuquerque, NM 87109
 Phone #: 505-397-0510
 email or Fax#: _____
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other EDD (Type) _____

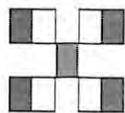
Turn-Around Time: Standard Rush 48 HR
 Project Name: EOG
MORRIS ESTATE CC BHT
 Project #: EOG-21-001

Project Manager: Allen, Bob
 Sampler: Soer Jung
 On Ice: Yes No
 # of Coolers: 3

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/22	1150	S	SP-7 Surface	()	Tap	012
	1220	S	SP-8 Surface	()	Tap	013
	1235	S	SP-9 Surface	()	Tap	014
	1300	S	SP-10 Surface	()	Tap	015
	1310	S	SOUTH Surface	()	Tap	016
	1325	S	EAST Surface	()	Tap	017
	1335	S	North Surface	()	Tap	018
10/22	1345	S	WEST Surface	()	Tap	019

Date: 10/22 Time: 1630 Relinquished by: Soer Jung
 Date: 10/28 Time: 1900 Relinquished by: Allen

Received by: Allen Date: 10/28/21 Time: 10:30
 Received by: See courier Date: 10/28/21 Time: 9:15



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						

Remarks: Rush
0.4 ± 0 = 0.6
-1.4 ± 0 = -1.4
4.9 ± 0 = 4.9

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2127935396
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # nAPP2127935396
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.82874 Longitude -104.46231
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Morris Estate CC Tank Battery	Site Type Battery
Date Release Discovered 09/29/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	14	17S	25E	Eddy

Surface Owner: State Federal Tribal Private (Name: Gatewood, Paula Ruth & Richard)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Historical impacts discovered during the battery decommissioning. The environmental consultant contracted to investigate the area determined on 9/29/2021 based on the impacted area footprint that the release more than likely breached the reportable volume threshold.

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Chase Settle</u> Title: <u>Rep Safety & Environmental Sr</u> Signature: <u></u> Date: <u>10/06/2021</u> email: <u>Chase_Settle@eogresources.com</u> Telephone: <u>575-748-1471</u>
<u>OCD Only</u> Received by: _____ Date: _____

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>unkn - 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 not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

Incident ID	nAPP2127935396
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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: 12/23/2021
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2127935396
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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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Application ID	

Closure

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
 Signature: *Chase Settle* Date: 12/23/2021
 email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Chad Hensley Date: 02/16/2022

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

Closure Approved by: *Chad Hensley* Date: 02/16/2022
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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 69183

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 69183
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure report approved.	2/16/2022