



EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

April 28, 2021

NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Federal FC Com #2H
30-015-26907
M-24-20S-24E
Eddy County, NM
Incident #nAPP2103256332

EOG Resources, Inc. is submitting the enclosed remediation work plan for the above referenced site. The plan is being submitted in reference to the C-141 report submitted on February 1, 2021.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

A handwritten signature in black ink that reads "Chase Settle".

Chase Settle
Rep Safety & Environmental Sr
EOG Resources, Inc.

**Federal FC Com #2H
Remediation Work Plan
30-015-26907
M-24-20S-24E
Eddy County, NM
April 28, 2021
nAPP2103256332**

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I. Location

From the intersection of White Pine Road and Picket Road, follow Picket Road for 4.6 miles, then turn south on the lease road for 1.3 miles to the location.

II. Background

EOG personnel discovered a release at the wellhead, caused by the separation of a poly to steel transition coupling. The release consisted of 15 barrels of Crude Oil and 5 barrels of Produced Water, with 8 barrels of Crude Oil and 2 barrels of Produced Water recovered by a vacuum truck. Initial excavation of impacted soil began after acquiring a NM One Call. Approximately 1 foot of impacted soil was excavated prior to the first sampling event on February 3, 2021. Samples were collected by way of 5-point composite sampling with no single sample representing greater than 200 square feet. Results from that initial sampling indicated that further excavation would be required in areas, but also provided that other areas had met Table 1 guidance. Further excavation of the areas not meeting the Table 1 guidance was completed, with another sampling event occurring on March 22, 2021, following the same sampling protocol used during the initial sampling of no single sampling representing greater than 200 square feet. Two areas were excluded from further sampling once it was determined that they were part of the historical drilling pit, evidenced by the plastic pit liner encountered during excavation activities. The release ran onto the historical drilling pit directly north of the pumping unit and across the historical drilling pit as it ran northeast. The second sampling activity again showed that further excavation would be required in certain areas, while also displaying other areas had met Table 1 standards. Further excavation was completed and a third sampling event occurred on April 26, 2021. During this sampling event, samples were again collected by way of 5-point composite sampling representing less than 200 square feet, but deeper delineation samples (A1-A10) were also collected representative of the surrounding areas. More excavation will be needed in certain areas, but all deeper delineation samples returned under Table 1 standards. Sampling notification was provided to NMOCD and BLM on February 1, March 17, and April 21, 2021, for the 3 sampling events that occurred.

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. Based on information from the New Mexico Office of the State Engineer (NMOSE) regarding this location (Section 24, T20S-R24E), the closest well to the release site has a groundwater depth of 268 feet. Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of significant surface water being the Brantley Lake at 8 miles away. The site is not within a 100 year flood plain according to FEMA, but is within a high karst area according to the Bureau of Land Management designations.

IV. NMOCD Assessment Criteria

The site assessment criteria are as follows:

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

Based on the assessment criteria, the NMOCD established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	100 mg/kg
Chlorides	600 mg/kg

V. Soils

USDA Natural Resources Conservation Service (NRCS) classifies soil in the area as Upton-Reagan complex, with 0-9% slopes.

VI. Scope of Work

In the 2 areas, V26-V34 and V44-V49, where the release ran over the historical drill pit, EOG will install a 20 ml synthetic liner in the bottom of the excavated areas then backfill with clean, non-contaminated caliche from a local source. During initial excavation activities, the west area was excavated to approximately 1 foot below grade surface (bgs) and the east area was excavated to approximately 2 feet bgs. Due to the ragged condition of the original plastic liner used to line the drill pit, there is no viable way to connect or seam the two liners together. The 20 ml synthetic liner will prohibit any further vertical migration in the areas until both are permanently addressed when the historical drill pit reclamation occurs during P&A.

Based on the results of the last sampling on April 26, 2021, there are still 11 areas that need further excavation. V1, V3, V4, V11, V12, V16, V22, V24, and V25 areas are still above the Table 1 standard for chloride concentration, and the V37 and V38 areas are still over the TPH limit. The A1-A10 samples indicate where soil will meet the Table 1 guidelines, so the remaining areas will be further excavated with confirmation completed by way of 5-point composite samples, with no single sample representing greater than 200 square feet. Once all vertical excavation is completed, sidewall confirmation sampling will be completed by the same method, making sure that no single sample is representative of greater than 200 square feet of sidewall. The estimated yardage remaining to be excavated and hauled to disposal is approximately 150 cubic yards.

At the completion of the remediation project, the off pad area will be reseeded with the BLM Aplomado Falcon Habitat Seed Mixture. The production area will not be reseeded since it is still an active production site. When remediation work is completed, a C-141 Closure Report will be submitted to NMOCD and BLM requesting closure of the site.

Table 1

Soil Analytical Data

Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V1-1	1	2/3/21	ND	ND	ND	ND	ND	ND	270	300	570	550
V1-2	2	3/22/21	ND	ND	ND	ND	ND	ND	520	600	1120	5100
V1-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	2700
V2-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	250
V3-1	1	2/3/21	ND	ND	ND	ND	ND	ND	95	85	180	1300
V3-2	2	3/22/21	ND	ND	ND	ND	ND	ND	92	72	164	530
V3-4	4	4/26/21	ND	ND	ND	ND	ND	ND	31	ND	31	1000
V4-1	1	2/3/21	ND	ND	ND	ND	ND	ND	600	500	1100	750
V4-2	2	3/22/21	ND	ND	ND	ND	ND	ND	17	ND	17	9500
V4-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	990
V5-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V6-1	1	2/3/21	7.7	58	52	74	191.7	1400	3600	2000	7000	1200
V6-2	5	3/22/21	ND	ND	ND	ND	ND	ND	26	ND	26	600
V7-1	1	2/3/21	ND	ND	ND	ND	ND	ND	110	99	209	350
V7-3	3	3/22/21	ND	ND	ND	ND	ND	ND	190	170	360	880
V7-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	530
V8-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V9-1	1	2/3/21	ND	ND	ND	ND	ND	ND	12	ND	12	ND
V10-1	1	2/3/21	ND	1.8	4.6	7.4	13.8	140	940	550	1630	420
V10-5	5	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1300
V10-6	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V11-1	1	2/3/21	ND	ND	0.37	0.75	1.12	ND	1600	880	2480	1700
V11-3	3	3/22/21	ND	ND	ND	ND	ND	ND	32	ND	32	2300
V11-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	650
V12-1	1	2/3/21	ND	0.44	1.7	3.3	5.44	65	1300	1100	2465	1200
V12-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1900
V12-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	730
V13-1	1	2/3/21	ND	ND	0.05	ND	0.05	ND	180	180	360	350
V13-3	3	3/22/21	ND	ND	ND	ND	ND	ND	67	89	156	1700
V13-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	390
V14-1	1	2/3/21	0.047	0.29	0.30	0.46	1.097	9.8	440	420	869.8	980
V14-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	230
V15-1	1	2/3/21	ND	ND	ND	ND	ND	ND	150	110	260	630
V15-3	3	3/22/21	ND	ND	ND	ND	ND	ND	37	ND	37	260
V16-1	1	2/3/21	ND	0.71	2.4	4.6	7.71	97	2100	1300	3497	4700
V16-3	3	3/22/21	ND	ND	ND	ND	ND	ND	110	91	201	800
V16-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	790
V17-1	1	2/3/21	ND	ND	ND	ND	ND	ND	230	230	460	440
V17-2	2	3/22/21	ND	ND	ND	ND	ND	ND	55	ND	55	800
V17-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	410
V18-1	1	2/3/21	ND	ND	0.54	1.2	1.74	31	1200	1100	2331	860
V18-2	2	3/22/21	ND	ND	ND	ND	ND	ND	120	87	207	1100
V18-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	420
V19-1	1	2/3/21	ND	0.11	0.20	0.32	0.63	ND	460	330	790	380
V19-2	2	3/22/21	ND	ND	ND	ND	ND	ND	13	ND	13	4300
V19-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	320
V20-1	1	2/3/21	ND	ND	ND	ND	ND	ND	15	ND	15	860
V20-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1700
V20-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	210
V21-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	890
V21-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	520
V22-1	1	2/3/21	ND	ND	ND	ND	ND	ND	980	560	1540	1500
V22-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1100
V22-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	720
V23-1	1	2/3/21	ND	ND	ND	ND	ND	ND	170	110	280	240
V23-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	2300
V23-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
V24-1	1	2/3/21	ND	ND	ND	ND	ND	ND	160	87	247	480
V24-2	2	3/22/21	ND	ND	ND	ND	ND	ND	13	ND	13	1400
V24-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	980
V25-1	1	2/3/21	ND	ND	ND	ND	ND	ND	460	270	730	620
V25-2	2	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	1200
V25-4	4	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	830
V26-1	2	2/3/21	ND	2.5	14	26	42.5	570	3700	1800	6070	160

Federal FC Com #2H
Remediation Work Plan
#nAPP2103256332

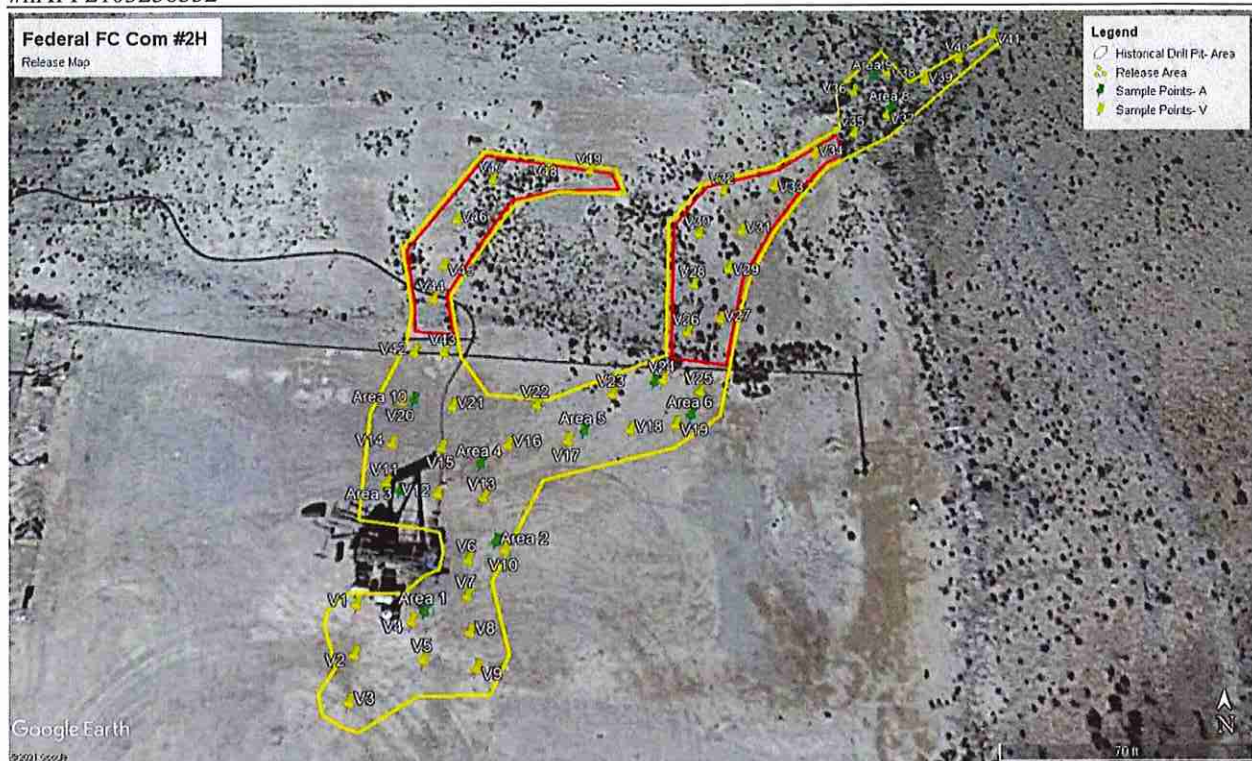


April 28, 2021

V27-1	2	2/3/21	ND	0.46	4.6	9.5	14.56	240	3400	1800	5440	330
V28-1	2	2/3/21	ND	ND	0.44	0.68	1.12	49	880	700	1629	400
V29-1	2	2/3/21	ND	ND	ND	ND	ND	ND	640	340	980	500
V30-1	2	2/3/21	ND	ND	ND	ND	ND	ND	200	110	310	310
V31-1	2	2/3/21	ND	0.057	0.35	0.71	1.117	13	970	560	1543	980
V32-1	2	2/3/21	ND	0.13	0.16	0.27	0.56	10	960	520	1490	1200
V33-1	2	2/3/21	ND	ND	0.44	0.88	1.32	45	1000	540	1585	980
V34-1	2	2/3/21	ND	ND	ND	ND	ND	ND	270	190	460	700
V35-1	1	2/3/21	0.034	0.31	0.59	1.1	2.034	31	1400	740	2171	450
V35-2	2	3/22/21	ND	ND	ND	ND	ND	ND	32	50	82	2600
V35-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	18	ND	18	170
V36-1	1	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	2500
V36-2	2	3/22/21	ND	ND	ND	ND	ND	ND	14	ND	14	2400
V36-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V37-1	0.5	2/3/21	ND	3.6	29	55	87.6	1100	5900	2900	9900	460
V37-2	2	3/22/21	ND	ND	ND	ND	ND	ND	120	76	196	310
V37-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	250	210	460	140
V38-1	0.5	2/3/21	ND	ND	ND	ND	ND	ND	62	49	111	ND
V39-1	0.5	2/3/21	ND	0.058	0.15	0.27	0.478	7.9	390	220	617.9	130
V39-2	1	3/22/21	ND	0.067	0.049	ND	0.116	ND	30	200	230	ND
V39-2.5	2.5	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	410
V40-1	0.5	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V41-1	0.5	2/3/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V42-1	1	2/3/21	ND	ND	ND	ND	ND	ND	12	ND	12	1900
V42-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	290
V43-1	1	2/3/21	ND	ND	0.089	0.21	0.299	7.4	550	330	887.4	1000
V43-3	3	3/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	310
V44-1	1	2/3/21	ND	ND	0.84	2.1	2.94	90	3300	1600	4990	670
V45-1	1	2/3/21	ND	ND	0.85	2.2	3.05	74	4100	2100	6274	660
V46-1	1	2/3/21	0.23	1.8	2.5	4.6	9.13	120	2100	1200	3420	1200
V47-1	1	2/3/21	ND	ND	ND	ND	ND	ND	41	56	97	120
V48-1	1	2/3/21	ND	1.3	7.6	16	24.9	410	4000	2000	6410	140
V49-1	1	2/3/21	ND	ND	0.13	0.27	0.40	7.6	480	290	777.6	1500
A1-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
A2-8'	8	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
A3-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	220
A4-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A5-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	260
A6-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	94
A7-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	150
A8-3'	3	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	290
A9-3'	3	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	240
A10-6'	6	4/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	130

Figure 1

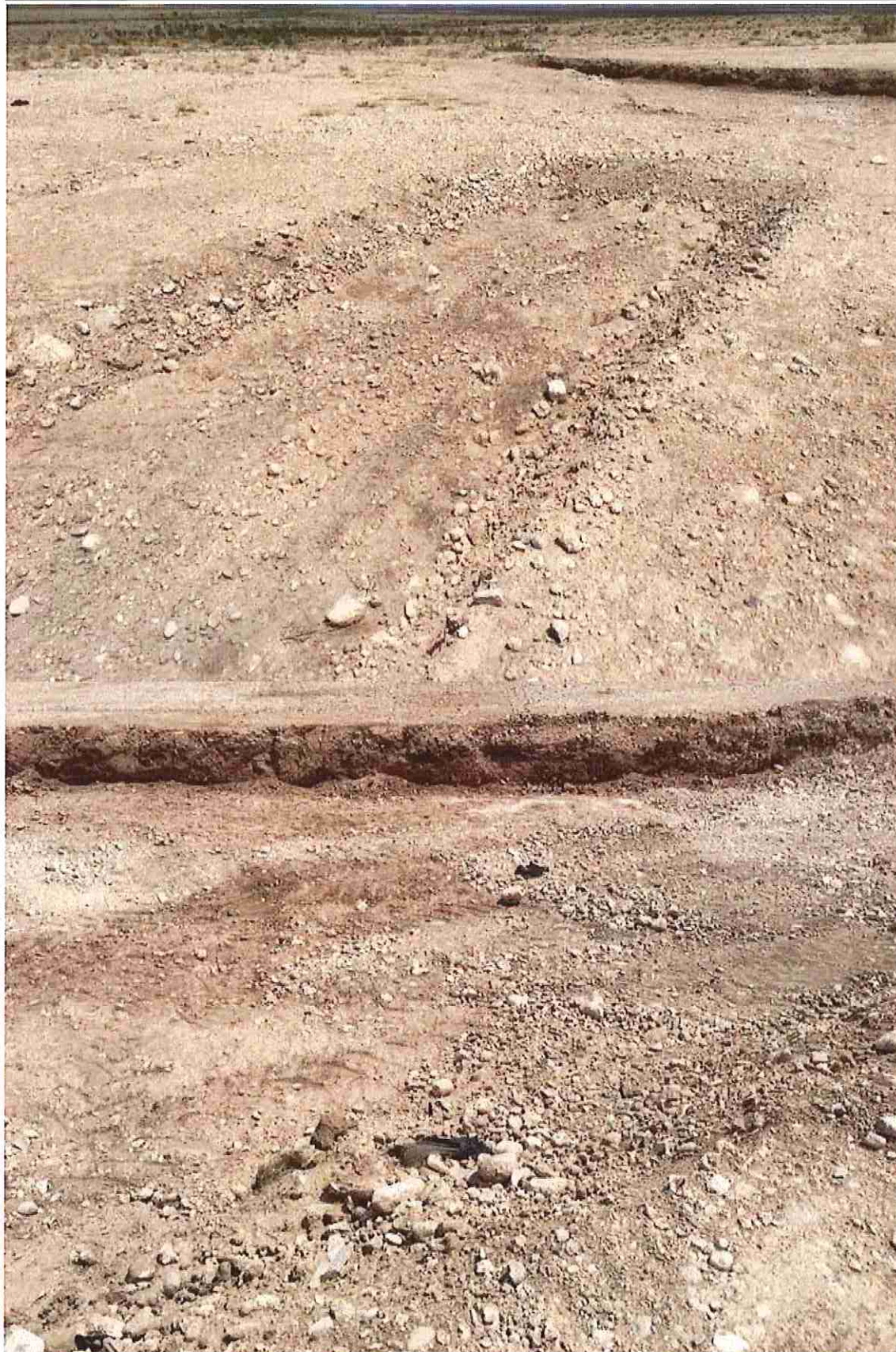
Site Map with Sample Points

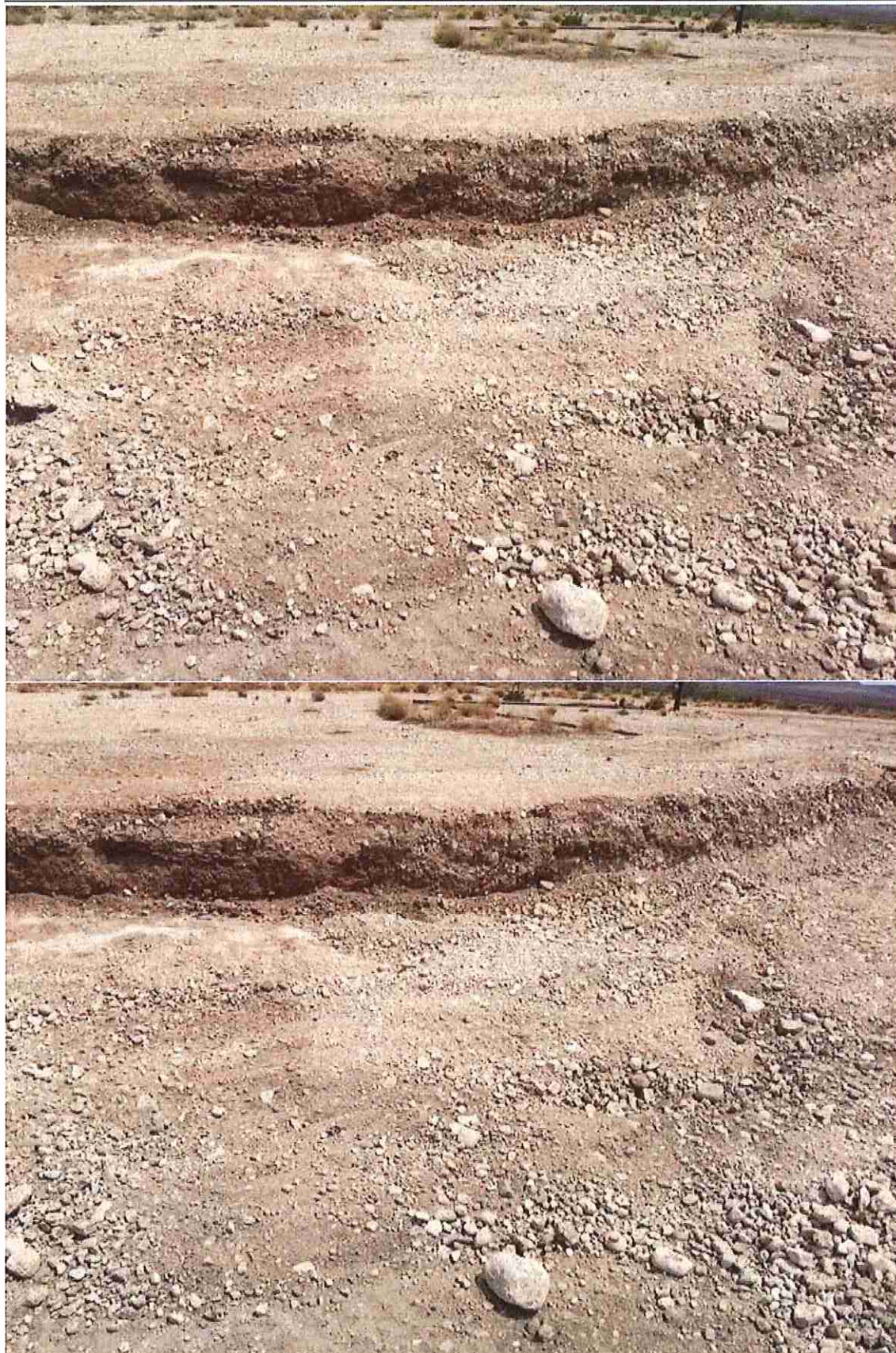


Historical Drill Pit Photos









Appendix A

Soil Sample Laboratory Data



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

February 17, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Federal FC Com 2H

OrderNo.: 2102317

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 49 sample(s) on 2/5/2021 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".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: V1-1
Project: Federal FC Com 2H Collection Date: 2/3/2021 8:30:00 AM
Lab ID: 2102317-001 Matrix: SOIL Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	550	60		mg/Kg	20	2/10/2021 9:44:04 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	270	9.2		mg/Kg	1	2/8/2021 10:19:22 PM	57949
Motor Oil Range Organics (MRO)	300	46		mg/Kg	1	2/8/2021 10:19:22 PM	57949
Surr: DNOP	95.8	70-130		%Rec	1	2/8/2021 10:19:22 PM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/11/2021 8:23:20 AM	57946
Surr: BFB	99.3	75.3-105		%Rec	1	2/11/2021 8:23:20 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/11/2021 8:23:20 AM	57946
Toluene	ND	0.047		mg/Kg	1	2/11/2021 8:23:20 AM	57946
Ethylbenzene	ND	0.047		mg/Kg	1	2/11/2021 8:23:20 AM	57946
Xylenes, Total	ND	0.095		mg/Kg	1	2/11/2021 8:23:20 AM	57946
Surr: 4-Bromofluorobenzene	96.8	80-120		%Rec	1	2/11/2021 8:23:20 AM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-002
Matrix: SOIL
Client Sample ID: V2-1
Collection Date: 2/3/2021 8:31:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	250	61		mg/Kg	20	2/10/2021 10:21:18 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/6/2021 11:58:24 PM	57949
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/6/2021 11:58:24 PM	57949
Surr: DNOP	100	70-130		%Rec	1	2/6/2021 11:58:24 PM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/11/2021 9:34:09 AM	57946
Surr: BFB	102	75.3-105		%Rec	1	2/11/2021 9:34:09 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/11/2021 9:34:09 AM	57946
Toluene	ND	0.049		mg/Kg	1	2/11/2021 9:34:09 AM	57946
Ethylbenzene	ND	0.049		mg/Kg	1	2/11/2021 9:34:09 AM	57946
Xylenes, Total	ND	0.098		mg/Kg	1	2/11/2021 9:34:09 AM	57946
Surr: 4-Bromofluorobenzene	99.1	80-120		%Rec	1	2/11/2021 9:34:09 AM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-003
Matrix: SOIL
Client Sample ID: V3-1
Collection Date: 2/3/2021 8:32:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1300	60		mg/Kg	20	2/10/2021 10:33:43 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	95	9.7		mg/Kg	1	2/7/2021 12:21:43 AM	57949
Motor Oil Range Organics (MRO)	85	48		mg/Kg	1	2/7/2021 12:21:43 AM	57949
Surr: DNOP	90.8	70-130		%Rec	1	2/7/2021 12:21:43 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/11/2021 11:08:14 AM	57946
Surr: BFB	100	75.3-105		%Rec	5	2/11/2021 11:08:14 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 11:08:14 AM	57946
Toluene	ND	0.24		mg/Kg	5	2/11/2021 11:08:14 AM	57946
Ethylbenzene	ND	0.24		mg/Kg	5	2/11/2021 11:08:14 AM	57946
Xylenes, Total	ND	0.48		mg/Kg	5	2/11/2021 11:08:14 AM	57946
Surr: 4-Bromofluorobenzene	97.2	80-120		%Rec	5	2/11/2021 11:08:14 AM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-004
Matrix: SOIL
Client Sample ID: V4-1
Collection Date: 2/3/2021 8:34:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	750	60		mg/Kg	20	2/10/2021 10:46:08 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	600	100		mg/Kg	10	2/7/2021 12:45:03 AM	57949
Motor Oil Range Organics (MRO)	500	500		mg/Kg	10	2/7/2021 12:45:03 AM	57949
Surr: DNOP	0	70-130	S	%Rec	10	2/7/2021 12:45:03 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	2/11/2021 1:31:03 AM	57946
Surr: BFB	99.2	75.3-105		%Rec	5	2/11/2021 1:31:03 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 1:31:03 AM	57946
Toluene	ND	0.23		mg/Kg	5	2/11/2021 1:31:03 AM	57946
Ethylbenzene	ND	0.23		mg/Kg	5	2/11/2021 1:31:03 AM	57946
Xylenes, Total	ND	0.46		mg/Kg	5	2/11/2021 1:31:03 AM	57946
Surr: 4-Bromofluorobenzene	95.3	80-120		%Rec	5	2/11/2021 1:31:03 AM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2102317

Date Reported: 2/17/2021

CLIENT: EOG

Client Sample ID: V5-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 8:35:00 AM

Lab ID: 2102317-005

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	61		mg/Kg	20	2/10/2021 10:58:32 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/7/2021 1:08:22 AM	57949
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/7/2021 1:08:22 AM	57949
Surr: DNOP	101	70-130		%Rec	1	2/7/2021 1:08:22 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/11/2021 11:31:47 AM	57946
Surr: BFB	100	75.3-105		%Rec	1	2/11/2021 11:31:47 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/11/2021 11:31:47 AM	57946
Toluene	ND	0.047		mg/Kg	1	2/11/2021 11:31:47 AM	57946
Ethylbenzene	ND	0.047		mg/Kg	1	2/11/2021 11:31:47 AM	57946
Xylenes, Total	ND	0.093		mg/Kg	1	2/11/2021 11:31:47 AM	57946
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	1	2/11/2021 11:31:47 AM	57946

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		

CLIENT: EOG	Client Sample ID: V6-1
Project: Federal FC Com 2H	Collection Date: 2/3/2021 8:36:00 AM
Lab ID: 2102317-006	Matrix: SOIL
	Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	59		mg/Kg	20	2/10/2021 11:10:56 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	3600	97		mg/Kg	10	2/9/2021 5:22:42 AM	57949
Motor Oil Range Organics (MRO)	2000	490		mg/Kg	10	2/9/2021 5:22:42 AM	57949
Surr: DNOP	0	70-130	S	%Rec	10	2/9/2021 5:22:42 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1400	96		mg/Kg	20	2/11/2021 1:54:34 AM	57946
Surr: BFB	345	75.3-105	S	%Rec	20	2/11/2021 1:54:34 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	7.7	0.48		mg/Kg	20	2/11/2021 1:54:34 AM	57946
Toluene	58	0.96		mg/Kg	20	2/11/2021 1:54:34 AM	57946
Ethylbenzene	52	0.96		mg/Kg	20	2/11/2021 1:54:34 AM	57946
Xylenes, Total	74	1.9		mg/Kg	20	2/11/2021 1:54:34 AM	57946
Surr: 4-Bromofluorobenzene	137	80-120	S	%Rec	20	2/11/2021 1:54:34 AM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-007
Matrix: SOIL
Client Sample ID: V7-1
Collection Date: 2/3/2021 8:37:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	2/10/2021 11:23:20 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	110	9.4		mg/Kg	1	2/7/2021 1:54:52 AM	57949
Motor Oil Range Organics (MRO)	99	47		mg/Kg	1	2/7/2021 1:54:52 AM	57949
Surr: DNOP	90.1	70-130		%Rec	1	2/7/2021 1:54:52 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/11/2021 11:55:10 AM	57946
Surr: BFB	99.6	75.3-105		%Rec	1	2/11/2021 11:55:10 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/11/2021 11:55:10 AM	57946
Toluene	ND	0.048		mg/Kg	1	2/11/2021 11:55:10 AM	57946
Ethylbenzene	ND	0.048		mg/Kg	1	2/11/2021 11:55:10 AM	57946
Xylenes, Total	ND	0.096		mg/Kg	1	2/11/2021 11:55:10 AM	57946
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	2/11/2021 11:55:10 AM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-008
Matrix: SOIL
Client Sample ID: V8-1
Collection Date: 2/3/2021 8:39:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	61		mg/Kg	20	2/10/2021 11:35:45 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/7/2021 2:41:26 AM	57949
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/7/2021 2:41:26 AM	57949
Surr: DNOP	101	70-130		%Rec	1	2/7/2021 2:41:26 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/11/2021 12:18:35 PM	57946
Surr: BFB	97.9	75.3-105		%Rec	1	2/11/2021 12:18:35 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/11/2021 12:18:35 PM	57946
Toluene	ND	0.049		mg/Kg	1	2/11/2021 12:18:35 PM	57946
Ethylbenzene	ND	0.049		mg/Kg	1	2/11/2021 12:18:35 PM	57946
Xylenes, Total	ND	0.098		mg/Kg	1	2/11/2021 12:18:35 PM	57946
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	2/11/2021 12:18:35 PM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2102317

Date Reported: 2/17/2021

CLIENT: EOG

Client Sample ID: V9-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 8:40:00 AM

Lab ID: 2102317-009

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	2/10/2021 11:48:10 PM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	12	9.5		mg/Kg	1	2/7/2021 3:04:39 AM	57949
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/7/2021 3:04:39 AM	57949
Surr: DNOP	94.9	70-130		%Rec	1	2/7/2021 3:04:39 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/11/2021 12:42:14 PM	57946
Surr: BFB	98.0	75.3-105		%Rec	1	2/11/2021 12:42:14 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/11/2021 12:42:14 PM	57946
Toluene	ND	0.047		mg/Kg	1	2/11/2021 12:42:14 PM	57946
Ethylbenzene	ND	0.047		mg/Kg	1	2/11/2021 12:42:14 PM	57946
Xylenes, Total	ND	0.095		mg/Kg	1	2/11/2021 12:42:14 PM	57946
Surr: 4-Bromofluorobenzene	94.9	80-120		%Rec	1	2/11/2021 12:42:14 PM	57946

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 2102317

Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V10-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 8:49:00 AM

Lab ID: 2102317-010

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	420	60		mg/Kg	20	2/11/2021 12:00:34 AM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	940	49		mg/Kg	5	2/9/2021 3:00:51 AM	57949
Motor Oil Range Organics (MRO)	550	240		mg/Kg	5	2/9/2021 3:00:51 AM	57949
Surr: DNOP	106	70-130		%Rec	5	2/9/2021 3:00:51 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	140	24		mg/Kg	5	2/11/2021 1:05:54 PM	57946
Surr: BFB	261	75.3-105	S	%Rec	5	2/11/2021 1:05:54 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 1:05:54 PM	57946
Toluene	1.8	0.24		mg/Kg	5	2/11/2021 1:05:54 PM	57946
Ethylbenzene	4.6	0.24		mg/Kg	5	2/11/2021 1:05:54 PM	57946
Xylenes, Total	7.4	0.47		mg/Kg	5	2/11/2021 1:05:54 PM	57946
Surr: 4-Bromofluorobenzene	119	80-120		%Rec	5	2/11/2021 1:05:54 PM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-011
Matrix: SOIL
Client Sample ID: V11-1
Collection Date: 2/3/2021 8:50:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1700	59		mg/Kg	20	2/11/2021 12:12:59 AM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	1600	97		mg/Kg	10	2/7/2021 3:51:24 AM	57949
Motor Oil Range Organics (MRO)	880	490		mg/Kg	10	2/7/2021 3:51:24 AM	57949
Surr: DNOP	0	70-130	S	%Rec	10	2/7/2021 3:51:24 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/11/2021 1:29:41 PM	57946
Surr: BFB	126	75.3-105	S	%Rec	5	2/11/2021 1:29:41 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 1:29:41 PM	57946
Toluene	ND	0.25		mg/Kg	5	2/11/2021 1:29:41 PM	57946
Ethylbenzene	0.37	0.25		mg/Kg	5	2/11/2021 1:29:41 PM	57946
Xylenes, Total	0.75	0.50		mg/Kg	5	2/11/2021 1:29:41 PM	57946
Surr: 4-Bromofluorobenzene	99.8	80-120		%Rec	5	2/11/2021 1:29:41 PM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-012
Matrix: SOIL
Client Sample ID: V12-1
Collection Date: 2/3/2021 8:51:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	60		mg/Kg	20	2/11/2021 12:50:13 AM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	1300	94		mg/Kg	10	2/14/2021 11:36:46 PM	57949
Motor Oil Range Organics (MRO)	1100	470		mg/Kg	10	2/14/2021 11:36:46 PM	57949
Surr: DNOP	0	70-130	S	%Rec	10	2/14/2021 11:36:46 PM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	65	23		mg/Kg	5	2/11/2021 2:40:35 PM	57946
Surr: BFB	190	75.3-105	S	%Rec	5	2/11/2021 2:40:35 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 2:40:35 PM	57946
Toluene	0.44	0.23		mg/Kg	5	2/11/2021 2:40:35 PM	57946
Ethylbenzene	1.7	0.23		mg/Kg	5	2/11/2021 2:40:35 PM	57946
Xylenes, Total	3.3	0.46		mg/Kg	5	2/11/2021 2:40:35 PM	57946
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	5	2/11/2021 2:40:35 PM	57946

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 2102317
Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: V13-1
Project: Federal FC Com 2H Collection Date: 2/3/2021 8:52:00 AM
Lab ID: 2102317-013 Matrix: SOIL Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	2/11/2021 1:02:37 AM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	180	9.3		mg/Kg	1	2/9/2021 12:16:49 AM	57949
Motor Oil Range Organics (MRO)	180	46		mg/Kg	1	2/9/2021 12:16:49 AM	57949
Surr: DNOP	88.5	70-130		%Rec	1	2/9/2021 12:16:49 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/11/2021 3:04:13 PM	57946
Surr: BFB	104	75.3-105		%Rec	1	2/11/2021 3:04:13 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/11/2021 3:04:13 PM	57946
Toluene	ND	0.050		mg/Kg	1	2/11/2021 3:04:13 PM	57946
Ethylbenzene	0.050	0.050		mg/Kg	1	2/11/2021 3:04:13 PM	57946
Xylenes, Total	ND	0.099		mg/Kg	1	2/11/2021 3:04:13 PM	57946
Surr: 4-Bromofluorobenzene	97.7	80-120		%Rec	1	2/11/2021 3:04:13 PM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-014
Matrix: SOIL
Client Sample ID: V14-1
Collection Date: 2/3/2021 8:54:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	980	59		mg/Kg	20	2/11/2021 1:15:01 AM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	440	49		mg/Kg	5	2/9/2021 3:24:16 AM	57949
Motor Oil Range Organics (MRO)	420	250		mg/Kg	5	2/9/2021 3:24:16 AM	57949
Surr: DNOP	91.2	70-130		%Rec	5	2/9/2021 3:24:16 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	9.8	4.7		mg/Kg	1	2/11/2021 3:27:40 PM	57946
Surr: BFB	136	75.3-105	S	%Rec	1	2/11/2021 3:27:40 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.047	0.024		mg/Kg	1	2/11/2021 3:27:40 PM	57946
Toluene	0.29	0.047		mg/Kg	1	2/11/2021 3:27:40 PM	57946
Ethylbenzene	0.30	0.047		mg/Kg	1	2/11/2021 3:27:40 PM	57946
Xylenes, Total	0.46	0.094		mg/Kg	1	2/11/2021 3:27:40 PM	57946
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	2/11/2021 3:27:40 PM	57946

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	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-015
Matrix: SOIL
Client Sample ID: V15-1
Collection Date: 2/3/2021 8:55:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	630	60		mg/Kg	20	2/11/2021 1:27:26 AM	58030
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	150	9.7		mg/Kg	1	2/7/2021 5:25:58 AM	57949
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	2/7/2021 5:25:58 AM	57949
Surr: DNOP	86.5	70-130		%Rec	1	2/7/2021 5:25:58 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/11/2021 3:51:06 PM	57946
Surr: BFB	99.0	75.3-105		%Rec	1	2/11/2021 3:51:06 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/11/2021 3:51:06 PM	57946
Toluene	ND	0.050		mg/Kg	1	2/11/2021 3:51:06 PM	57946
Ethylbenzene	ND	0.050		mg/Kg	1	2/11/2021 3:51:06 PM	57946
Xylenes, Total	ND	0.10		mg/Kg	1	2/11/2021 3:51:06 PM	57946
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	2/11/2021 3:51:06 PM	57946

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 2102317

Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V16-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 8:56:00 AM

Lab ID: 2102317-016

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	4700	150		mg/Kg	50	2/12/2021 5:17:10 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	2100	93		mg/Kg	10	2/9/2021 3:47:40 AM	57949
Motor Oil Range Organics (MRO)	1300	470		mg/Kg	10	2/9/2021 3:47:40 AM	57949
Surr: DNOP	0	70-130	S	%Rec	10	2/9/2021 3:47:40 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	97	25		mg/Kg	5	2/11/2021 4:14:24 PM	57946
Surr: BFB	208	75.3-105	S	%Rec	5	2/11/2021 4:14:24 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 4:14:24 PM	57946
Toluene	0.71	0.25		mg/Kg	5	2/11/2021 4:14:24 PM	57946
Ethylbenzene	2.4	0.25		mg/Kg	5	2/11/2021 4:14:24 PM	57946
Xylenes, Total	4.6	0.50		mg/Kg	5	2/11/2021 4:14:24 PM	57946
Surr: 4-Bromofluorobenzene	113	80-120		%Rec	5	2/11/2021 4:14:24 PM	57946

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		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-017
Matrix: SOIL
Client Sample ID: V17-1
Collection Date: 2/3/2021 8:58:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	440	61		mg/Kg	20	2/11/2021 2:41:54 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	230	9.6		mg/Kg	1	2/9/2021 1:03:43 AM	57949
Motor Oil Range Organics (MRO)	220	48		mg/Kg	1	2/9/2021 1:03:43 AM	57949
Surr: DNOP	94.7	70-130		%Rec	1	2/9/2021 1:03:43 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/11/2021 3:52:08 AM	57946
Surr: BFB	101	75.3-105		%Rec	5	2/11/2021 3:52:08 AM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 3:52:08 AM	57946
Toluene	ND	0.24		mg/Kg	5	2/11/2021 3:52:08 AM	57946
Ethylbenzene	ND	0.24		mg/Kg	5	2/11/2021 3:52:08 AM	57946
Xylenes, Total	ND	0.49		mg/Kg	5	2/11/2021 3:52:08 AM	57946
Surr: 4-Bromofluorobenzene	97.5	80-120		%Rec	5	2/11/2021 3:52:08 AM	57946

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 2102317

Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V18-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 8:59:00 AM

Lab ID: 2102317-018

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	860	60		mg/Kg	20	2/11/2021 3:43:57 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	1200	95		mg/Kg	10	2/7/2021 6:36:48 AM	57949
Motor Oil Range Organics (MRO)	1100	480		mg/Kg	10	2/7/2021 6:36:48 AM	57949
Surr: DNOP	0	70-130	S	%Rec	10	2/7/2021 6:36:48 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	31	24		mg/Kg	5	2/11/2021 4:37:50 PM	57946
Surr: BFB	144	75.3-105	S	%Rec	5	2/11/2021 4:37:50 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2021 4:37:50 PM	57946
Toluene	ND	0.24		mg/Kg	5	2/11/2021 4:37:50 PM	57946
Ethylbenzene	0.54	0.24		mg/Kg	5	2/11/2021 4:37:50 PM	57946
Xylenes, Total	1.2	0.47		mg/Kg	5	2/11/2021 4:37:50 PM	57946
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	5	2/11/2021 4:37:50 PM	57946

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		

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CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-019

Matrix: SOIL

Client Sample ID: V19-1
Collection Date: 2/3/2021 9:00:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	380	60		mg/Kg	20	2/11/2021 3:56:22 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	460	49		mg/Kg	5	2/9/2021 2:37:27 AM	57949
Motor Oil Range Organics (MRO)	330	240		mg/Kg	5	2/9/2021 2:37:27 AM	57949
Surr: DNOP	87.8	70-130		%Rec	5	2/9/2021 2:37:27 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/11/2021 5:01:27 PM	57946
Surr: BFB	114	75.3-105	S	%Rec	1	2/11/2021 5:01:27 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/11/2021 5:01:27 PM	57946
Toluene	0.11	0.046		mg/Kg	1	2/11/2021 5:01:27 PM	57946
Ethylbenzene	0.20	0.046		mg/Kg	1	2/11/2021 5:01:27 PM	57946
Xylenes, Total	0.32	0.093		mg/Kg	1	2/11/2021 5:01:27 PM	57946
Surr: 4-Bromofluorobenzene	98.1	80-120		%Rec	1	2/11/2021 5:01:27 PM	57946

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		

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-020

Matrix: SOIL

Client Sample ID: V20-1
Collection Date: 2/3/2021 9:03:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	860	60		mg/Kg	20	2/11/2021 4:08:46 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	2/7/2021 7:24:12 AM	57949
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/7/2021 7:24:12 AM	57949
Surr: DNOP	88.3	70-130		%Rec	1	2/7/2021 7:24:12 AM	57949
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/11/2021 5:24:54 PM	57946
Surr: BFB	95.6	75.3-105		%Rec	1	2/11/2021 5:24:54 PM	57946
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/11/2021 5:24:54 PM	57946
Toluene	ND	0.049		mg/Kg	1	2/11/2021 5:24:54 PM	57946
Ethylbenzene	ND	0.049		mg/Kg	1	2/11/2021 5:24:54 PM	57946
Xylenes, Total	ND	0.098		mg/Kg	1	2/11/2021 5:24:54 PM	57946
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	2/11/2021 5:24:54 PM	57946

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-021
Matrix: SOIL
Client Sample ID: V21-1
Collection Date: 2/3/2021 9:04:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	890	60		mg/Kg	20	2/11/2021 4:21:10 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/8/2021 8:41:38 AM	57962
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/8/2021 8:41:38 AM	57962
Surr: DNOP	97.5	70-130		%Rec	1	2/8/2021 8:41:38 AM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 1:40:00 PM	57959
Surr: BFB	101	75.3-105		%Rec	1	2/10/2021 1:40:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 1:40:00 PM	57959
Toluene	ND	0.050		mg/Kg	1	2/10/2021 1:40:00 PM	57959
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 1:40:00 PM	57959
Xylenes, Total	ND	0.10		mg/Kg	1	2/10/2021 1:40:00 PM	57959
Surr: 4-Bromofluorobenzene	90.1	80-120		%Rec	1	2/10/2021 1:40:00 PM	57959

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 2102317
Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-022
Matrix: SOIL
Client Sample ID: V22-1
Collection Date: 2/3/2021 9:05:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1500	59		mg/Kg	20	2/11/2021 4:33:35 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	980	49		mg/Kg	5	2/8/2021 9:28:33 PM	57962
Motor Oil Range Organics (MRO)	560	240		mg/Kg	5	2/8/2021 9:28:33 PM	57962
Surr: DNOP	103	70-130		%Rec	5	2/8/2021 9:28:33 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/10/2021 2:50:00 PM	57959
Surr: BFB	106	75.3-105	S	%Rec	5	2/10/2021 2:50:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	2/10/2021 2:50:00 PM	57959
Toluene	ND	0.25		mg/Kg	5	2/10/2021 2:50:00 PM	57959
Ethylbenzene	ND	0.25		mg/Kg	5	2/10/2021 2:50:00 PM	57959
Xylenes, Total	ND	0.50		mg/Kg	5	2/10/2021 2:50:00 PM	57959
Surr: 4-Bromofluorobenzene	91.7	80-120		%Rec	5	2/10/2021 2:50:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-023
Matrix: SOIL
Client Sample ID: V23-1
Collection Date: 2/3/2021 9:06:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	240	60		mg/Kg	20	2/11/2021 4:46:00 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	170	9.7		mg/Kg	1	2/8/2021 9:52:35 AM	57962
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	2/8/2021 9:52:35 AM	57962
Surr: DNOP	89.9	70-130		%Rec	1	2/8/2021 9:52:35 AM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 4:00:00 PM	57959
Surr: BFB	105	75.3-105		%Rec	1	2/10/2021 4:00:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 4:00:00 PM	57959
Toluene	ND	0.050		mg/Kg	1	2/10/2021 4:00:00 PM	57959
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 4:00:00 PM	57959
Xylenes, Total	ND	0.10		mg/Kg	1	2/10/2021 4:00:00 PM	57959
Surr: 4-Bromofluorobenzene	91.2	80-120		%Rec	1	2/10/2021 4:00:00 PM	57959

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		

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-024

Matrix: SOIL

Client Sample ID: V24-1
Collection Date: 2/3/2021 9:08:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	480	60		mg/Kg	20	2/11/2021 4:58:24 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	160	9.6		mg/Kg	1	2/8/2021 10:40:08 AM	57962
Motor Oil Range Organics (MRO)	87	48		mg/Kg	1	2/8/2021 10:40:08 AM	57962
Surr: DNOP	84.5	70-130		%Rec	1	2/8/2021 10:40:08 AM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 4:24:00 PM	57959
Surr: BFB	107	75.3-105	S	%Rec	1	2/10/2021 4:24:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 4:24:00 PM	57959
Toluene	ND	0.050		mg/Kg	1	2/10/2021 4:24:00 PM	57959
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 4:24:00 PM	57959
Xylenes, Total	ND	0.099		mg/Kg	1	2/10/2021 4:24:00 PM	57959
Surr: 4-Bromofluorobenzene	91.4	80-120		%Rec	1	2/10/2021 4:24:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-025
Matrix: SOIL
Client Sample ID: V25-1
Collection Date: 2/3/2021 9:10:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	620	60		mg/Kg	20	2/11/2021 5:10:48 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	460	9.6		mg/Kg	1	2/8/2021 10:40:07 PM	57962
Motor Oil Range Organics (MRO)	270	48		mg/Kg	1	2/8/2021 10:40:07 PM	57962
Surr: DNOP	96.2	70-130		%Rec	1	2/8/2021 10:40:07 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 4:47:00 PM	57959
Surr: BFB	111	75.3-105	S	%Rec	1	2/10/2021 4:47:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 4:47:00 PM	57959
Toluene	ND	0.050		mg/Kg	1	2/10/2021 4:47:00 PM	57959
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 4:47:00 PM	57959
Xylenes, Total	ND	0.099		mg/Kg	1	2/10/2021 4:47:00 PM	57959
Surr: 4-Bromofluorobenzene	93.1	80-120		%Rec	1	2/10/2021 4:47:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-026
Matrix: SOIL
Client Sample ID: V26-1
Collection Date: 2/3/2021 9:11:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	160	59		mg/Kg	20	2/11/2021 5:48:02 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	3700	93		mg/Kg	10	2/8/2021 12:22:54 PM	57962
Motor Oil Range Organics (MRO)	1800	470		mg/Kg	10	2/8/2021 12:22:54 PM	57962
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 12:22:54 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	570	49		mg/Kg	10	2/10/2021 5:11:00 PM	57959
Surr: BFB	314	75.3-105	S	%Rec	10	2/10/2021 5:11:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.25		mg/Kg	10	2/10/2021 5:11:00 PM	57959
Toluene	2.5	0.49		mg/Kg	10	2/10/2021 5:11:00 PM	57959
Ethylbenzene	14	0.49		mg/Kg	10	2/10/2021 5:11:00 PM	57959
Xylenes, Total	26	0.98		mg/Kg	10	2/10/2021 5:11:00 PM	57959
Surr: 4-Bromofluorobenzene	177	80-120	S	%Rec	10	2/10/2021 5:11:00 PM	57959

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 2102317
Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-027
Matrix: SOIL
Client Sample ID: V27-1
Collection Date: 2/3/2021 9:12:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	330	60		mg/Kg	20	2/11/2021 6:00:27 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	3400	95		mg/Kg	10	2/8/2021 12:46:44 PM	57962
Motor Oil Range Organics (MRO)	1800	470		mg/Kg	10	2/8/2021 12:46:44 PM	57962
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 12:46:44 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	240	24		mg/Kg	5	2/10/2021 5:34:00 PM	57959
Surr: BFB	292	75.3-105	S	%Rec	5	2/10/2021 5:34:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	2/10/2021 5:34:00 PM	57959
Toluene	0.46	0.24		mg/Kg	5	2/10/2021 5:34:00 PM	57959
Ethylbenzene	4.6	0.24		mg/Kg	5	2/10/2021 5:34:00 PM	57959
Xylenes, Total	9.5	0.49		mg/Kg	5	2/10/2021 5:34:00 PM	57959
Surr: 4-Bromofluorobenzene	169	80-120	S	%Rec	5	2/10/2021 5:34:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-028
Matrix: SOIL
Client Sample ID: V28-1
Collection Date: 2/3/2021 9:13:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	400	60		mg/Kg	20	2/11/2021 6:12:51 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	880	98		mg/Kg	10	2/8/2021 1:10:38 PM	57962
Motor Oil Range Organics (MRO)	700	490		mg/Kg	10	2/8/2021 1:10:38 PM	57962
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 1:10:38 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	49	25		mg/Kg	5	2/10/2021 5:58:00 PM	57959
Surr: BFB	144	75.3-105	S	%Rec	5	2/10/2021 5:58:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	2/10/2021 5:58:00 PM	57959
Toluene	ND	0.25		mg/Kg	5	2/10/2021 5:58:00 PM	57959
Ethylbenzene	0.44	0.25		mg/Kg	5	2/10/2021 5:58:00 PM	57959
Xylenes, Total	0.68	0.49		mg/Kg	5	2/10/2021 5:58:00 PM	57959
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	5	2/10/2021 5:58:00 PM	57959

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	

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-029
Matrix: SOIL
Client Sample ID: V29-1
Collection Date: 2/3/2021 9:15:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	500	60		mg/Kg	20	2/11/2021 6:25:16 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	640	9.8		mg/Kg	1	2/8/2021 11:27:55 PM	57962
Motor Oil Range Organics (MRO)	340	49		mg/Kg	1	2/8/2021 11:27:55 PM	57962
Surr: DNOP	85.6	70-130		%Rec	1	2/8/2021 11:27:55 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/10/2021 6:21:00 PM	57959
Surr: BFB	117	75.3-105	S	%Rec	5	2/10/2021 6:21:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	2/10/2021 6:21:00 PM	57959
Toluene	ND	0.24		mg/Kg	5	2/10/2021 6:21:00 PM	57959
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2021 6:21:00 PM	57959
Xylenes, Total	ND	0.49		mg/Kg	5	2/10/2021 6:21:00 PM	57959
Surr: 4-Bromofluorobenzene	95.1	80-120		%Rec	5	2/10/2021 6:21:00 PM	57959

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		

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-030

Matrix: SOIL

Client Sample ID: V30-1
Collection Date: 2/3/2021 9:16:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	310	60		mg/Kg	20	2/11/2021 6:37:40 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	200	9.4		mg/Kg	1	2/8/2021 9:05:18 AM	57962
Motor Oil Range Organics (MRO)	110	47		mg/Kg	1	2/8/2021 9:05:18 AM	57962
Surr: DNOP	88.5	70-130		%Rec	1	2/8/2021 9:05:18 AM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/10/2021 6:45:00 PM	57959
Surr: BFB	102	75.3-105		%Rec	1	2/10/2021 6:45:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 6:45:00 PM	57959
Toluene	ND	0.049		mg/Kg	1	2/10/2021 6:45:00 PM	57959
Ethylbenzene	ND	0.049		mg/Kg	1	2/10/2021 6:45:00 PM	57959
Xylenes, Total	ND	0.099		mg/Kg	1	2/10/2021 6:45:00 PM	57959
Surr: 4-Bromofluorobenzene	88.5	80-120		%Rec	1	2/10/2021 6:45:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-031
Matrix: SOIL
Client Sample ID: V31-1
Collection Date: 2/3/2021 9:18:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	980	60		mg/Kg	20	2/11/2021 6:50:04 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	970	48		mg/Kg	5	2/8/2021 9:52:22 PM	57962
Motor Oil Range Organics (MRO)	560	240		mg/Kg	5	2/8/2021 9:52:22 PM	57962
Surr: DNOP	93.3	70-130		%Rec	5	2/8/2021 9:52:22 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	13	5.0		mg/Kg	1	2/10/2021 7:55:00 PM	57959
Surr: BFB	181	75.3-105	S	%Rec	1	2/10/2021 7:55:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 7:55:00 PM	57959
Toluene	0.057	0.050		mg/Kg	1	2/10/2021 7:55:00 PM	57959
Ethylbenzene	0.35	0.050		mg/Kg	1	2/10/2021 7:55:00 PM	57959
Xylenes, Total	0.71	0.10		mg/Kg	1	2/10/2021 7:55:00 PM	57959
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	2/10/2021 7:55:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-032
Matrix: SOIL
Client Sample ID: V32-1
Collection Date: 2/3/2021 9:19:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	60		mg/Kg	20	2/11/2021 7:02:29 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	960	48		mg/Kg	5	2/8/2021 10:16:20 PM	57962
Motor Oil Range Organics (MRO)	520	240		mg/Kg	5	2/8/2021 10:16:20 PM	57962
Surr: DNOP	82.0	70-130		%Rec	5	2/8/2021 10:16:20 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	10	4.9		mg/Kg	1	2/10/2021 8:18:00 PM	57959
Surr: BFB	128	75.3-105	S	%Rec	1	2/10/2021 8:18:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 8:18:00 PM	57959
Toluene	0.13	0.049		mg/Kg	1	2/10/2021 8:18:00 PM	57959
Ethylbenzene	0.16	0.049		mg/Kg	1	2/10/2021 8:18:00 PM	57959
Xylenes, Total	0.27	0.098		mg/Kg	1	2/10/2021 8:18:00 PM	57959
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	2/10/2021 8:18:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-033
Matrix: SOIL
Client Sample ID: V33-1
Collection Date: 2/3/2021 9:20:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	980	60		mg/Kg	20	2/11/2021 7:14:53 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	1000	93		mg/Kg	10	2/8/2021 2:46:56 PM	57962
Motor Oil Range Organics (MRO)	540	470		mg/Kg	10	2/8/2021 2:46:56 PM	57962
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 2:46:56 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	45	25		mg/Kg	5	2/10/2021 8:42:00 PM	57959
Surr: BFB	137	75.3-105	S	%Rec	5	2/10/2021 8:42:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.12		mg/Kg	5	2/10/2021 8:42:00 PM	57959
Toluene	ND	0.25		mg/Kg	5	2/10/2021 8:42:00 PM	57959
Ethylbenzene	0.44	0.25		mg/Kg	5	2/10/2021 8:42:00 PM	57959
Xylenes, Total	0.88	0.49		mg/Kg	5	2/10/2021 8:42:00 PM	57959
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	5	2/10/2021 8:42:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: V34-1
Project: Federal FC Com 2H Collection Date: 2/3/2021 9:21:00 AM
Lab ID: 2102317-034 Matrix: SOIL Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	700	60		mg/Kg	20	2/11/2021 7:27:18 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	270	9.5		mg/Kg	1	2/8/2021 4:21:31 PM	57962
Motor Oil Range Organics (MRO)	190	48		mg/Kg	1	2/8/2021 4:21:31 PM	57962
Surr: DNOP	85.6	70-130		%Rec	1	2/8/2021 4:21:31 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 9:05:00 PM	57959
Surr: BFB	106	75.3-105	S	%Rec	1	2/10/2021 9:05:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 9:05:00 PM	57959
Toluene	ND	0.050		mg/Kg	1	2/10/2021 9:05:00 PM	57959
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 9:05:00 PM	57959
Xylenes, Total	ND	0.099		mg/Kg	1	2/10/2021 9:05:00 PM	57959
Surr: 4-Bromofluorobenzene	89.2	80-120		%Rec	1	2/10/2021 9:05:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2102317

Date Reported: 2/17/2021

CLIENT: EOG

Client Sample ID: V35-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 9:22:00 AM

Lab ID: 2102317-035

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	450	60		mg/Kg	20	2/11/2021 7:39:43 AM	58042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	1400	100		mg/Kg	10	2/8/2021 3:33:55 PM	57962
Motor Oil Range Organics (MRO)	740	500		mg/Kg	10	2/8/2021 3:33:55 PM	57962
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 3:33:55 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	31	4.9		mg/Kg	1	2/10/2021 9:29:00 PM	57959
Surr: BFB	244	75.3-105	S	%Rec	1	2/10/2021 9:29:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	0.034	0.025		mg/Kg	1	2/10/2021 9:29:00 PM	57959
Toluene	0.31	0.049		mg/Kg	1	2/10/2021 9:29:00 PM	57959
Ethylbenzene	0.59	0.049		mg/Kg	1	2/10/2021 9:29:00 PM	57959
Xylenes, Total	1.1	0.098		mg/Kg	1	2/10/2021 9:29:00 PM	57959
Surr: 4-Bromofluorobenzene	129	80-120	S	%Rec	1	2/10/2021 9:29:00 PM	57959

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

Qualifiers:

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

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

Analytical Report

Lab Order 2102317

Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V36-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 9:23:00 AM

Lab ID: 2102317-036

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2500	150		mg/Kg	50	2/12/2021 5:29:35 AM	58043
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/8/2021 5:09:32 PM	57962
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2021 5:09:32 PM	57962
Surr: DNOP	74.8	70-130		%Rec	1	2/8/2021 5:09:32 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 9:52:00 PM	57959
Surr: BFB	111	75.3-105	S	%Rec	1	2/10/2021 9:52:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 9:52:00 PM	57959
Toluene	ND	0.050		mg/Kg	1	2/10/2021 9:52:00 PM	57959
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 9:52:00 PM	57959
Xylenes, Total	ND	0.099		mg/Kg	1	2/10/2021 9:52:00 PM	57959
Surr: 4-Bromofluorobenzene	92.8	80-120		%Rec	1	2/10/2021 9:52:00 PM	57959

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		

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Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: V37-1
Project: Federal FC Com 2H Collection Date: 2/3/2021 9:24:00 AM
Lab ID: 2102317-037 Matrix: SOIL Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	460	60		mg/Kg	20	2/11/2021 10:27:48 AM	58043
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	5900	94		mg/Kg	10	2/8/2021 3:57:40 PM	57962
Motor Oil Range Organics (MRO)	2900	470		mg/Kg	10	2/8/2021 3:57:40 PM	57962
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 3:57:40 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	1100	250		mg/Kg	50	2/10/2021 10:16:00 PM	57959
Surr: BFB	244	75.3-105	S	%Rec	50	2/10/2021 10:16:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	1.2		mg/Kg	50	2/10/2021 10:16:00 PM	57959
Toluene	3.6	2.5		mg/Kg	50	2/10/2021 10:16:00 PM	57959
Ethylbenzene	29	2.5		mg/Kg	50	2/10/2021 10:16:00 PM	57959
Xylenes, Total	55	5.0		mg/Kg	50	2/10/2021 10:16:00 PM	57959
Surr: 4-Bromofluorobenzene	126	80-120	S	%Rec	50	2/10/2021 10:16:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-038
Matrix: SOIL
Client Sample ID: V38-1
Collection Date: 2/3/2021 9:25:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	2/11/2021 10:40:13 AM	58043
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	62	9.6		mg/Kg	1	2/8/2021 5:33:36 PM	57962
Motor Oil Range Organics (MRO)	49	48		mg/Kg	1	2/8/2021 5:33:36 PM	57962
Surr: DNOP	76.4	70-130		%Rec	1	2/8/2021 5:33:36 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/10/2021 10:39:00 PM	57959
Surr: BFB	105	75.3-105	S	%Rec	1	2/10/2021 10:39:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	2/10/2021 10:39:00 PM	57959
Toluene	ND	0.049		mg/Kg	1	2/10/2021 10:39:00 PM	57959
Ethylbenzene	ND	0.049		mg/Kg	1	2/10/2021 10:39:00 PM	57959
Xylenes, Total	ND	0.098		mg/Kg	1	2/10/2021 10:39:00 PM	57959
Surr: 4-Bromofluorobenzene	88.6	80-120		%Rec	1	2/10/2021 10:39:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: V39-1
Project: Federal FC Com 2H Collection Date: 2/3/2021 9:27:00 AM
Lab ID: 2102317-039 Matrix: SOIL Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	2/11/2021 10:52:37 AM	58043
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	390	9.6		mg/Kg	1	2/8/2021 6:21:37 PM	57962
Motor Oil Range Organics (MRO)	220	48		mg/Kg	1	2/8/2021 6:21:37 PM	57962
Surr: DNOP	86.0	70-130		%Rec	1	2/8/2021 6:21:37 PM	57962
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	7.9	5.0		mg/Kg	1	2/10/2021 11:02:00 PM	57959
Surr: BFB	133	75.3-105	S	%Rec	1	2/10/2021 11:02:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 11:02:00 PM	57959
Toluene	0.058	0.050		mg/Kg	1	2/10/2021 11:02:00 PM	57959
Ethylbenzene	0.15	0.050		mg/Kg	1	2/10/2021 11:02:00 PM	57959
Xylenes, Total	0.27	0.10		mg/Kg	1	2/10/2021 11:02:00 PM	57959
Surr: 4-Bromofluorobenzene	95.6	80-120		%Rec	1	2/10/2021 11:02:00 PM	57959

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-040
Matrix: SOIL
Client Sample ID: V40-1
Collection Date: 2/3/2021 9:28:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	61		mg/Kg	20	2/11/2021 11:05:02 AM	58043
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/8/2021 8:46:57 AM	57963
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/8/2021 8:46:57 AM	57963
Surr: DNOP	98.4	70-130		%Rec	1	2/8/2021 8:46:57 AM	57963
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 11:26:00 PM	57959
Surr: BFB	103	75.3-105		%Rec	1	2/10/2021 11:26:00 PM	57959
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	2/10/2021 11:26:00 PM	57959
Toluene	ND	0.050		mg/Kg	1	2/10/2021 11:26:00 PM	57959
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 11:26:00 PM	57959
Xylenes, Total	ND	0.10		mg/Kg	1	2/10/2021 11:26:00 PM	57959
Surr: 4-Bromofluorobenzene	90.1	80-120		%Rec	1	2/10/2021 11:26:00 PM	57959

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 2102317

Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V41-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 9:31:00 AM

Lab ID: 2102317-041

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	2/11/2021 11:17:27 AM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/10/2021 3:33:47 PM	57960
Surr: BFB	98.6	70-130		%Rec	1	2/10/2021 3:33:47 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/8/2021 10:46:48 AM	57963
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/8/2021 10:46:48 AM	57963
Surr: DNOP	46.3	70-130	S	%Rec	1	2/8/2021 10:46:48 AM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	2/10/2021 3:33:47 PM	57960
Toluene	ND	0.049		mg/Kg	1	2/10/2021 3:33:47 PM	57960
Ethylbenzene	ND	0.049		mg/Kg	1	2/10/2021 3:33:47 PM	57960
Xylenes, Total	ND	0.097		mg/Kg	1	2/10/2021 3:33:47 PM	57960
Surr: 1,2-Dichloroethane-d4	76.0	70-130		%Rec	1	2/10/2021 3:33:47 PM	57960
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	2/10/2021 3:33:47 PM	57960
Surr: Dibromofluoromethane	96.6	70-130		%Rec	1	2/10/2021 3:33:47 PM	57960
Surr: Toluene-d8	101	70-130		%Rec	1	2/10/2021 3:33:47 PM	57960

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		

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Analytical Report

Lab Order 2102317

Date Reported: 2/17/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V42-1

Project: Federal FC Com 2H

Collection Date: 2/3/2021 9:33:00 AM

Lab ID: 2102317-042

Matrix: SOIL

Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1900	60		mg/Kg	20	2/11/2021 11:29:52 AM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/10/2021 4:02:32 PM	57960
Surr: BFB	99.6	70-130		%Rec	1	2/10/2021 4:02:32 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	12	9.4		mg/Kg	1	2/8/2021 11:10:48 AM	57963
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/8/2021 11:10:48 AM	57963
Surr: DNOP	69.1	70-130	S	%Rec	1	2/8/2021 11:10:48 AM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	2/10/2021 4:02:32 PM	57960
Toluene	ND	0.050		mg/Kg	1	2/10/2021 4:02:32 PM	57960
Ethylbenzene	ND	0.050		mg/Kg	1	2/10/2021 4:02:32 PM	57960
Xylenes, Total	ND	0.099		mg/Kg	1	2/10/2021 4:02:32 PM	57960
Surr: 1,2-Dichloroethane-d4	77.9	70-130		%Rec	1	2/10/2021 4:02:32 PM	57960
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	2/10/2021 4:02:32 PM	57960
Surr: Dibromofluoromethane	98.3	70-130		%Rec	1	2/10/2021 4:02:32 PM	57960
Surr: Toluene-d8	98.5	70-130		%Rec	1	2/10/2021 4:02:32 PM	57960

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		

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CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-043

Matrix: SOIL

Client Sample ID: V43-1
Collection Date: 2/3/2021 9:35:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1000	60		mg/Kg	20	2/11/2021 11:42:16 AM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	7.4	4.9		mg/Kg	1	2/10/2021 5:28:12 PM	57960
Surr: BFB	97.4	70-130		%Rec	1	2/10/2021 5:28:12 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	550	10		mg/Kg	1	2/8/2021 9:58:52 AM	57963
Motor Oil Range Organics (MRO)	330	50		mg/Kg	1	2/8/2021 9:58:52 AM	57963
Surr: DNOP	87.9	70-130		%Rec	1	2/8/2021 9:58:52 AM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	2/10/2021 5:28:12 PM	57960
Toluene	ND	0.049		mg/Kg	1	2/10/2021 5:28:12 PM	57960
Ethylbenzene	0.089	0.049		mg/Kg	1	2/10/2021 5:28:12 PM	57960
Xylenes, Total	0.21	0.098		mg/Kg	1	2/10/2021 5:28:12 PM	57960
Surr: 1,2-Dichloroethane-d4	82.3	70-130		%Rec	1	2/10/2021 5:28:12 PM	57960
Surr: 4-Bromofluorobenzene	75.7	70-130		%Rec	1	2/10/2021 5:28:12 PM	57960
Surr: Dibromofluoromethane	95.2	70-130		%Rec	1	2/10/2021 5:28:12 PM	57960
Surr: Toluene-d8	91.1	70-130		%Rec	1	2/10/2021 5:28:12 PM	57960

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2102317**
Date Reported: **2/17/2021**

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-044

Matrix: SOIL

Client Sample ID: V44-1
Collection Date: 2/3/2021 9:37:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	670	60		mg/Kg	20	2/11/2021 12:19:30 PM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	90	25		mg/Kg	5	2/11/2021 12:59:03 PM	57960
Surr: BFB	106	70-130		%Rec	5	2/11/2021 12:59:03 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	3300	92		mg/Kg	10	2/8/2021 9:10:57 AM	57963
Motor Oil Range Organics (MRO)	1600	460		mg/Kg	10	2/8/2021 9:10:57 AM	57963
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 9:10:57 AM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.12	D	mg/Kg	5	2/11/2021 12:59:03 PM	57960
Toluene	ND	0.25	D	mg/Kg	5	2/11/2021 12:59:03 PM	57960
Ethylbenzene	0.84	0.25	D	mg/Kg	5	2/11/2021 12:59:03 PM	57960
Xylenes, Total	2.1	0.49	D	mg/Kg	5	2/11/2021 12:59:03 PM	57960
Surr: 1,2-Dichloroethane-d4	80.1	70-130	D	%Rec	5	2/11/2021 12:59:03 PM	57960
Surr: 4-Bromofluorobenzene	100	70-130	D	%Rec	5	2/11/2021 12:59:03 PM	57960
Surr: Dibromofluoromethane	96.9	70-130	D	%Rec	5	2/11/2021 12:59:03 PM	57960
Surr: Toluene-d8	96.5	70-130	D	%Rec	5	2/11/2021 12:59:03 PM	57960

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-045

Matrix: SOIL

Client Sample ID: V45-1
Collection Date: 2/3/2021 9:38:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	660	60		mg/Kg	20	2/11/2021 12:31:55 PM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	74	25		mg/Kg	5	2/11/2021 1:56:24 PM	57960
Surr: BFB	104	70-130		%Rec	5	2/11/2021 1:56:24 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	4100	94		mg/Kg	10	2/8/2021 2:14:20 PM	57963
Motor Oil Range Organics (MRO)	2100	470		mg/Kg	10	2/8/2021 2:14:20 PM	57963
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 2:14:20 PM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.12	D	mg/Kg	5	2/11/2021 1:56:24 PM	57960
Toluene	ND	0.25	D	mg/Kg	5	2/11/2021 1:56:24 PM	57960
Ethylbenzene	0.85	0.25	D	mg/Kg	5	2/11/2021 1:56:24 PM	57960
Xylenes, Total	2.2	0.49	D	mg/Kg	5	2/11/2021 1:56:24 PM	57960
Surr: 1,2-Dichloroethane-d4	80.4	70-130	D	%Rec	5	2/11/2021 1:56:24 PM	57960
Surr: 4-Bromofluorobenzene	72.2	70-130	D	%Rec	5	2/11/2021 1:56:24 PM	57960
Surr: Dibromofluoromethane	94.6	70-130	D	%Rec	5	2/11/2021 1:56:24 PM	57960
Surr: Toluene-d8	96.4	70-130	D	%Rec	5	2/11/2021 1:56:24 PM	57960

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2102317**
Date Reported: **2/17/2021**

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-046

Matrix: SOIL

Client Sample ID: V46-1
Collection Date: 2/3/2021 9:40:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	60		mg/Kg	20	2/11/2021 12:44:20 PM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	120	25		mg/Kg	5	2/11/2021 2:53:27 PM	57960
Surr: BFB	103	70-130		%Rec	5	2/11/2021 2:53:27 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	2100	97		mg/Kg	10	2/8/2021 2:38:29 PM	57963
Motor Oil Range Organics (MRO)	1200	480		mg/Kg	10	2/8/2021 2:38:29 PM	57963
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 2:38:29 PM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	0.23	0.12	D	mg/Kg	5	2/11/2021 2:53:27 PM	57960
Toluene	1.8	0.25	D	mg/Kg	5	2/11/2021 2:53:27 PM	57960
Ethylbenzene	2.5	0.25	D	mg/Kg	5	2/11/2021 2:53:27 PM	57960
Xylenes, Total	4.6	0.49	D	mg/Kg	5	2/11/2021 2:53:27 PM	57960
Surr: 1,2-Dichloroethane-d4	81.9	70-130	D	%Rec	5	2/11/2021 2:53:27 PM	57960
Surr: 4-Bromofluorobenzene	73.5	70-130	D	%Rec	5	2/11/2021 2:53:27 PM	57960
Surr: Dibromofluoromethane	97.0	70-130	D	%Rec	5	2/11/2021 2:53:27 PM	57960
Surr: Toluene-d8	97.7	70-130	D	%Rec	5	2/11/2021 2:53:27 PM	57960

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-047
Matrix: SOIL
Client Sample ID: V47-1
Collection Date: 2/3/2021 9:41:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	120	60		mg/Kg	20	2/11/2021 12:56:44 PM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/10/2021 7:22:38 PM	57960
Surr: BFB	101	70-130		%Rec	1	2/10/2021 7:22:38 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	41	9.5		mg/Kg	1	2/8/2021 3:02:38 PM	57963
Motor Oil Range Organics (MRO)	56	48		mg/Kg	1	2/8/2021 3:02:38 PM	57963
Surr: DNOP	93.1	70-130		%Rec	1	2/8/2021 3:02:38 PM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	2/10/2021 7:22:38 PM	57960
Toluene	ND	0.049		mg/Kg	1	2/10/2021 7:22:38 PM	57960
Ethylbenzene	ND	0.049		mg/Kg	1	2/10/2021 7:22:38 PM	57960
Xylenes, Total	ND	0.098		mg/Kg	1	2/10/2021 7:22:38 PM	57960
Surr: 1,2-Dichloroethane-d4	79.8	70-130		%Rec	1	2/10/2021 7:22:38 PM	57960
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/10/2021 7:22:38 PM	57960
Surr: Dibromofluoromethane	97.1	70-130		%Rec	1	2/10/2021 7:22:38 PM	57960
Surr: Toluene-d8	97.5	70-130		%Rec	1	2/10/2021 7:22:38 PM	57960

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2102317
Date Reported: 2/17/2021

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-048

Matrix: SOIL

Client Sample ID: V48-1
Collection Date: 2/3/2021 9:42:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	2/11/2021 1:09:08 PM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	410	25		mg/Kg	5	2/10/2021 7:51:15 PM	57960
Surr: BFB	107	70-130		%Rec	5	2/10/2021 7:51:15 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	4000	98		mg/Kg	10	2/8/2021 3:26:59 PM	57963
Motor Oil Range Organics (MRO)	2000	490		mg/Kg	10	2/8/2021 3:26:59 PM	57963
Surr: DNOP	0	70-130	S	%Rec	10	2/8/2021 3:26:59 PM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.12	D	mg/Kg	5	2/10/2021 7:51:15 PM	57960
Toluene	1.3	0.25	D	mg/Kg	5	2/10/2021 7:51:15 PM	57960
Ethylbenzene	7.6	0.25	D	mg/Kg	5	2/10/2021 7:51:15 PM	57960
Xylenes, Total	16	0.50	D	mg/Kg	5	2/10/2021 7:51:15 PM	57960
Surr: 1,2-Dichloroethane-d4	82.9	70-130	D	%Rec	5	2/10/2021 7:51:15 PM	57960
Surr: 4-Bromofluorobenzene	101	70-130	D	%Rec	5	2/10/2021 7:51:15 PM	57960
Surr: Dibromofluoromethane	94.5	70-130	D	%Rec	5	2/10/2021 7:51:15 PM	57960
Surr: Toluene-d8	97.1	70-130	D	%Rec	5	2/10/2021 7:51:15 PM	57960

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		

CLIENT: EOG
Project: Federal FC Com 2H
Lab ID: 2102317-049

Matrix: SOIL

Client Sample ID: V49-1
Collection Date: 2/3/2021 9:43:00 AM
Received Date: 2/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1500	61		mg/Kg	20	2/11/2021 1:21:33 PM	58043
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	7.6	4.9		mg/Kg	1	2/11/2021 3:50:28 PM	57960
Surr: BFB	102	70-130		%Rec	1	2/11/2021 3:50:28 PM	57960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	480	48		mg/Kg	5	2/9/2021 8:34:18 AM	57963
Motor Oil Range Organics (MRO)	290	240		mg/Kg	5	2/9/2021 8:34:18 AM	57963
Surr: DNOP	96.9	70-130		%Rec	5	2/9/2021 8:34:18 AM	57963
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	2/10/2021 8:19:54 PM	57960
Toluene	ND	0.049		mg/Kg	1	2/10/2021 8:19:54 PM	57960
Ethylbenzene	0.13	0.049		mg/Kg	1	2/10/2021 8:19:54 PM	57960
Xylenes, Total	0.27	0.099		mg/Kg	1	2/10/2021 8:19:54 PM	57960
Surr: 1,2-Dichloroethane-d4	86.5	70-130		%Rec	1	2/10/2021 8:19:54 PM	57960
Surr: 4-Bromofluorobenzene	77.4	70-130		%Rec	1	2/10/2021 8:19:54 PM	57960
Surr: Dibromofluoromethane	97.9	70-130		%Rec	1	2/10/2021 8:19:54 PM	57960
Surr: Toluene-d8	97.0	70-130		%Rec	1	2/10/2021 8:19:54 PM	57960

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#: 2102317

17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: MB-58030	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 58030	RunNo: 75189								
Prep Date: 2/10/2021	Analysis Date: 2/10/2021	SeqNo: 2656122	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-58030	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 58030	RunNo: 75189								
Prep Date: 2/10/2021	Analysis Date: 2/10/2021	SeqNo: 2656123	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.6	90	110			

Sample ID: MB-58042	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 58042	RunNo: 75189								
Prep Date: 2/10/2021	Analysis Date: 2/11/2021	SeqNo: 2656180	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-58042	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 58042	RunNo: 75189								
Prep Date: 2/10/2021	Analysis Date: 2/11/2021	SeqNo: 2656181	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.7	90	110			

Sample ID: MB-58043	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 58043	RunNo: 75244								
Prep Date: 2/10/2021	Analysis Date: 2/11/2021	SeqNo: 2657290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-58043	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 58043	RunNo: 75244								
Prep Date: 2/10/2021	Analysis Date: 2/11/2021	SeqNo: 2657292	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

Qualifiers:

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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2102317

17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: MB-57949	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 57949	RunNo: 75135								
Prep Date: 2/5/2021	Analysis Date: 2/6/2021	SeqNo: 2652498 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		109	70	130			

Sample ID: LCS-57949	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 57949	RunNo: 75135								
Prep Date: 2/5/2021	Analysis Date: 2/6/2021	SeqNo: 2652501 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.2	68.9	141			
Surr: DNOP	4.8		5.000		95.6	70	130			

Sample ID: MB-57963	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 57963	RunNo: 75138								
Prep Date: 2/6/2021	Analysis Date: 2/8/2021	SeqNo: 2652678 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		108	70	130			

Sample ID: LCS-57963	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 57963	RunNo: 75138								
Prep Date: 2/6/2021	Analysis Date: 2/8/2021	SeqNo: 2652679 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	115	68.9	141			
Surr: DNOP	5.3		5.000		107	70	130			

Sample ID: MB-57962	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 57962	RunNo: 75159								
Prep Date: 2/6/2021	Analysis Date: 2/8/2021	SeqNo: 2653756 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	10		10.00		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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2102317

17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: LCS-57962	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 57962	RunNo: 75159
Prep Date: 2/6/2021	Analysis Date: 2/8/2021	SeqNo: 2653758 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	50	10 50.00 0 99.9 68.9 141
Surr: DNOP	4.9	5.000 97.9 70 130

Sample ID: MB-58060	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 58060	RunNo: 75266
Prep Date: 2/11/2021	Analysis Date: 2/12/2021	SeqNo: 2658449 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	12	10.00 118 70 130

Sample ID: LCS-58060	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 58060	RunNo: 75266
Prep Date: 2/11/2021	Analysis Date: 2/12/2021	SeqNo: 2658450 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	5.6	5.000 113 70 130

Sample ID: MB-58070	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 58070	RunNo: 75266
Prep Date: 2/11/2021	Analysis Date: 2/12/2021	SeqNo: 2658907 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.4	10.00 94.1 70 130

Sample ID: LCS-58070	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 58070	RunNo: 75266
Prep Date: 2/11/2021	Analysis Date: 2/12/2021	SeqNo: 2658908 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.4	5.000 87.9 70 130

Sample ID: MB-58064	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 58064	RunNo: 75266
Prep Date: 2/11/2021	Analysis Date: 2/13/2021	SeqNo: 2659441 Units: %Rec
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.7	10.00 97.2 70 130

Qualifiers:

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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2102317

17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: LCS-58064	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58064	RunNo: 75266								
Prep Date: 2/11/2021	Analysis Date: 2/13/2021	SeqNo: 2659442 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		94.6	70	130			

Sample ID: MB-58058	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58058	RunNo: 75266								
Prep Date: 2/11/2021	Analysis Date: 2/14/2021	SeqNo: 2659615 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		120	70	130			

Sample ID: LCS-58058	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58058	RunNo: 75266								
Prep Date: 2/11/2021	Analysis Date: 2/14/2021	SeqNo: 2659616 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.0		5.000		121	70	130			

Sample ID: MB-58080	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58080	RunNo: 75266								
Prep Date: 2/12/2021	Analysis Date: 2/14/2021	SeqNo: 2659640 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.8		10.00		88.3	70	130			

Sample ID: LCS-58080	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58080	RunNo: 75266								
Prep Date: 2/12/2021	Analysis Date: 2/14/2021	SeqNo: 2659641 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.8	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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2102317

17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: mb-57946	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 57946	RunNo: 75212								
Prep Date: 2/5/2021	Analysis Date: 2/11/2021	SeqNo: 2655747 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	980		1000		97.8	75.3	105			

Sample ID: lcs-57946	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 57946	RunNo: 75212								
Prep Date: 2/5/2021	Analysis Date: 2/11/2021	SeqNo: 2655748 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.8	80	120			
Surr: BFB	1100		1000		108	75.3	105			S

Sample ID: LCS-57959	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 57959	RunNo: 75203								
Prep Date: 2/6/2021	Analysis Date: 2/10/2021	SeqNo: 2656260 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	80	120			
Surr: BFB	1100		1000		112	75.3	105			S

Sample ID: MB-57959	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 57959	RunNo: 75203								
Prep Date: 2/6/2021	Analysis Date: 2/10/2021	SeqNo: 2656261 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		101	75.3	105			

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2102317

17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: mb-57946	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 57946	RunNo: 75212								
Prep Date: 2/5/2021	Analysis Date: 2/11/2021	SeqNo: 2655797 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	0.96		1.000		95.8	80	120			

Sample ID: LCS-57946		SampType: LCS		TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS		Batch ID: 57946		RunNo: 75212						
Prep Date: 2/5/2021		Analysis Date: 2/11/2021		SeqNo: 2655798			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.8	80	120			
Toluene	0.98	0.050	1.000	0	98.1	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.6	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.9	80	120			

Sample ID: MB-57959	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 57959	RunNo: 75203								
Prep Date: 2/6/2021	Analysis Date: 2/10/2021	SeqNo: 2656212 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	0.90		1.000		90.1	80	120			

Sample ID: LCS-57959	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 57959		RunNo: 75203							
Prep Date: 2/6/2021	Analysis Date: 2/10/2021		SeqNo: 2656259		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	80	120			
Toluene	0.90	0.050	1.000	0	89.7	80	120			
Ethylbenzene	0.89	0.050	1.000	0	88.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.6	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.7	80	120			

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2102317

17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: lcs-57960	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: 57960	RunNo: 75195								
Prep Date: 2/6/2021	Analysis Date: 2/10/2021	SeqNo: 2655043 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	70	130			
Toluene	0.96	0.050	1.000	0	95.7	70	130			
Surr: 1,2-Dichloroethane-d4	0.38		0.5000		76.0	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.8	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.3	70	130			
Surr: Toluene-d8	0.47		0.5000		95.0	70	130			

Sample ID: mb-57960	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 57960	RunNo: 75195								
Prep Date: 2/6/2021	Analysis Date: 2/10/2021	SeqNo: 2655044 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.42		0.5000		83.7	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.2	70	130			
Surr: Dibromofluoromethane	0.49		0.5000		99.0	70	130			
Surr: Toluene-d8	0.49		0.5000		98.1	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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2102317
17-Feb-21

Client: EOG
Project: Federal FC Com 2H

Sample ID: lcs-57960	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 57960	RunNo: 75195								
Prep Date: 2/6/2021	Analysis Date: 2/10/2021	SeqNo: 2655047		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.7	70	130			
Surr: BFB	500		500.0		101	70	130			

Sample ID: mb-57960	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 57960	RunNo: 75195								
Prep Date: 2/6/2021	Analysis Date: 2/10/2021	SeqNo: 2655048		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	480		500.0		96.2	70	130			

- Qualifiers:
- *

D

H

ND

PQL

S

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quantitative Limit

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

E

J

P

RL

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

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: EOG

Work Order Number: 2102317

RcptNo: 1

Received By: Juan Rojas 2/5/2021 7:00:00 AM

Completed By: Sean Livingston 2/5/2021 9:58:08 AM

Reviewed By: JR 2/5/21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
 4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°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:

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				



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

April 02, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Federal FC 2H

OrderNo.: 2103B26

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 27 sample(s) on 3/24/2021 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 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'.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-001
Matrix: SOIL
Client Sample ID: V1-2
Collection Date: 3/22/2021 8:15:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	5100	300		mg/Kg	100	3/31/2021 9:28:15 AM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	520	95		mg/Kg	10	3/27/2021 1:15:45 AM	58950
Motor Oil Range Organics (MRO)	600	470		mg/Kg	10	3/27/2021 1:15:45 AM	58950
Surr: DNOP	0	70-130	S	%Rec	10	3/27/2021 1:15:45 AM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25	D	mg/Kg	5	3/26/2021 2:57:56 AM	58942
Surr: BFB	120	75.3-105	SD	%Rec	5	3/26/2021 2:57:56 AM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12	D	mg/Kg	5	3/26/2021 2:57:56 AM	58942
Toluene	ND	0.25	D	mg/Kg	5	3/26/2021 2:57:56 AM	58942
Ethylbenzene	ND	0.25	D	mg/Kg	5	3/26/2021 2:57:56 AM	58942
Xylenes, Total	ND	0.49	D	mg/Kg	5	3/26/2021 2:57:56 AM	58942
Surr: 4-Bromofluorobenzene	132	80-120	SD	%Rec	5	3/26/2021 2:57:56 AM	58942

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-002
Matrix: SOIL
Client Sample ID: V3-2
Collection Date: 3/22/2021 8:16:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	530	60		mg/Kg	20	3/29/2021 11:24:57 PM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	92	9.7		mg/Kg	1	3/26/2021 9:18:57 PM	58950
Motor Oil Range Organics (MRO)	72	49		mg/Kg	1	3/26/2021 9:18:57 PM	58950
Surr: DNOP	35.1	70-130	S	%Rec	1	3/26/2021 9:18:57 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2021 3:21:24 AM	58942
Surr: BFB	116	75.3-105	S	%Rec	1	3/26/2021 3:21:24 AM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 3:21:24 AM	58942
Toluene	ND	0.050		mg/Kg	1	3/26/2021 3:21:24 AM	58942
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2021 3:21:24 AM	58942
Xylenes, Total	ND	0.099		mg/Kg	1	3/26/2021 3:21:24 AM	58942
Surr: 4-Bromofluorobenzene	127	80-120	S	%Rec	1	3/26/2021 3:21:24 AM	58942

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-003
Matrix: SOIL
Client Sample ID: V4-2
Collection Date: 3/22/2021 8:18:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	9500	300		mg/Kg	100	4/1/2021 11:22:50 AM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	17	9.5		mg/Kg	1	3/26/2021 9:42:37 PM	58950
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/26/2021 9:42:37 PM	58950
Surr: DNOP	36.2	70-130	S	%Rec	1	3/26/2021 9:42:37 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 3:44:59 AM	58942
Surr: BFB	117	75.3-105	S	%Rec	1	3/26/2021 3:44:59 AM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 3:44:59 AM	58942
Toluene	ND	0.049		mg/Kg	1	3/26/2021 3:44:59 AM	58942
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 3:44:59 AM	58942
Xylenes, Total	ND	0.099		mg/Kg	1	3/26/2021 3:44:59 AM	58942
Surr: 4-Bromofluorobenzene	129	80-120	S	%Rec	1	3/26/2021 3:44:59 AM	58942

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-004

Matrix: SOIL

Client Sample ID: V6-5
Collection Date: 3/22/2021 8:19:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	600	60		mg/Kg	20	3/29/2021 11:49:46 PM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	26	9.7		mg/Kg	1	3/26/2021 10:06:18 PM	58950
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/26/2021 10:06:18 PM	58950
Surr: DNOP	43.2	70-130	S	%Rec	1	3/26/2021 10:06:18 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 4:09:40 PM	58942
Surr: BFB	89.8	75.3-105		%Rec	1	3/26/2021 4:09:40 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/26/2021 4:09:40 PM	58942
Toluene	ND	0.049		mg/Kg	1	3/26/2021 4:09:40 PM	58942
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 4:09:40 PM	58942
Xylenes, Total	ND	0.098		mg/Kg	1	3/26/2021 4:09:40 PM	58942
Surr: 4-Bromofluorobenzene	97.5	80-120		%Rec	1	3/26/2021 4:09:40 PM	58942

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		

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-005

Matrix: SOIL

Client Sample ID: V7-3
Collection Date: 3/22/2021 8:21:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	880	60		mg/Kg	20	3/30/2021 12:02:10 AM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	190	9.6		mg/Kg	1	3/28/2021 6:50:26 AM	58950
Motor Oil Range Organics (MRO)	170	48		mg/Kg	1	3/28/2021 6:50:26 AM	58950
Surr: DNOP	65.6	70-130	S	%Rec	1	3/28/2021 6:50:26 AM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 4:33:27 PM	58942
Surr: BFB	90.1	75.3-105		%Rec	1	3/26/2021 4:33:27 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 4:33:27 PM	58942
Toluene	ND	0.049		mg/Kg	1	3/26/2021 4:33:27 PM	58942
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 4:33:27 PM	58942
Xylenes, Total	ND	0.099		mg/Kg	1	3/26/2021 4:33:27 PM	58942
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	3/26/2021 4:33:27 PM	58942

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2103B26**
Date Reported: **4/2/2021**

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-006

Matrix: SOIL

Client Sample ID: V10-5
Collection Date: 3/22/2021 8:23:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1300	60		mg/Kg	20	3/30/2021 12:14:35 AM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	3/26/2021 10:29:56 PM	58950
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/26/2021 10:29:56 PM	58950
Surr: DNOP	34.7	70-130	S	%Rec	1	3/26/2021 10:29:56 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 6:57:05 PM	58942
Surr: BFB	89.6	75.3-105		%Rec	1	3/26/2021 6:57:05 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 6:57:05 PM	58942
Toluene	ND	0.049		mg/Kg	1	3/26/2021 6:57:05 PM	58942
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 6:57:05 PM	58942
Xylenes, Total	ND	0.098		mg/Kg	1	3/26/2021 6:57:05 PM	58942
Surr: 4-Bromofluorobenzene	97.6	80-120		%Rec	1	3/26/2021 6:57:05 PM	58942

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 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V11-3

Project: Federal FC 2H

Collection Date: 3/22/2021 8:24:00 AM

Lab ID: 2103B26-007

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2300	60		mg/Kg	20	3/30/2021 12:26:59 AM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	32	9.5		mg/Kg	1	3/26/2021 6:09:31 PM	58950
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/26/2021 6:09:31 PM	58950
Surr: DNOP	21.1	70-130	S	%Rec	1	3/26/2021 6:09:31 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/26/2021 7:21:05 PM	58942
Surr: BFB	88.7	75.3-105		%Rec	1	3/26/2021 7:21:05 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/26/2021 7:21:05 PM	58942
Toluene	ND	0.048		mg/Kg	1	3/26/2021 7:21:05 PM	58942
Ethylbenzene	ND	0.048		mg/Kg	1	3/26/2021 7:21:05 PM	58942
Xylenes, Total	ND	0.097		mg/Kg	1	3/26/2021 7:21:05 PM	58942
Surr: 4-Bromofluorobenzene	95.2	80-120		%Rec	1	3/26/2021 7:21:05 PM	58942

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		

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-008
Matrix: SOIL
Client Sample ID: V12-3
Collection Date: 3/22/2021 8:26:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1900	59		mg/Kg	20	3/30/2021 12:39:23 AM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/26/2021 10:53:40 PM	58950
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/26/2021 10:53:40 PM	58950
Surr: DNOP	28.3	70-130	S	%Rec	1	3/26/2021 10:53:40 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2021 7:45:01 PM	58942
Surr: BFB	90.5	75.3-105		%Rec	1	3/26/2021 7:45:01 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 7:45:01 PM	58942
Toluene	ND	0.050		mg/Kg	1	3/26/2021 7:45:01 PM	58942
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2021 7:45:01 PM	58942
Xylenes, Total	ND	0.099		mg/Kg	1	3/26/2021 7:45:01 PM	58942
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	3/26/2021 7:45:01 PM	58942

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		

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-009

Matrix: SOIL

Client Sample ID: V13-3
Collection Date: 3/22/2021 8:27:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1700	60		mg/Kg	20	3/30/2021 12:51:48 AM	59046
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	67	9.8		mg/Kg	1	3/28/2021 6:38:27 AM	58950
Motor Oil Range Organics (MRO)	89	49		mg/Kg	1	3/28/2021 6:38:27 AM	58950
Surr: DNOP	69.6	70-130	S	%Rec	1	3/28/2021 6:38:27 AM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 8:09:05 PM	58942
Surr: BFB	88.7	75.3-105		%Rec	1	3/26/2021 8:09:05 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 8:09:05 PM	58942
Toluene	ND	0.049		mg/Kg	1	3/26/2021 8:09:05 PM	58942
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 8:09:05 PM	58942
Xylenes, Total	ND	0.098		mg/Kg	1	3/26/2021 8:09:05 PM	58942
Surr: 4-Bromofluorobenzene	96.1	80-120		%Rec	1	3/26/2021 8:09:05 PM	58942

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-010
Matrix: SOIL
Client Sample ID: V14-3
Collection Date: 3/22/2021 8:28:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	230	60		mg/Kg	20	3/30/2021 12:46:16 PM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/26/2021 11:17:20 PM	58950
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/26/2021 11:17:20 PM	58950
Surr: DNOP	31.0	70-130	S	%Rec	1	3/26/2021 11:17:20 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2021 8:33:09 PM	58942
Surr: BFB	87.2	75.3-105		%Rec	1	3/26/2021 8:33:09 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 8:33:09 PM	58942
Toluene	ND	0.050		mg/Kg	1	3/26/2021 8:33:09 PM	58942
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2021 8:33:09 PM	58942
Xylenes, Total	ND	0.10		mg/Kg	1	3/26/2021 8:33:09 PM	58942
Surr: 4-Bromofluorobenzene	93.3	80-120		%Rec	1	3/26/2021 8:33:09 PM	58942

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		

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-011

Matrix: SOIL

Client Sample ID: V15-3
Collection Date: 3/22/2021 8:30:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	260	60		mg/Kg	20	3/30/2021 1:23:29 PM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	37	9.5		mg/Kg	1	3/26/2021 11:41:03 PM	58950
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/26/2021 11:41:03 PM	58950
Surr: DNOP	36.9	70-130	S	%Rec	1	3/26/2021 11:41:03 PM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 8:57:10 PM	58942
Surr: BFB	86.8	75.3-105		%Rec	1	3/26/2021 8:57:10 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 8:57:10 PM	58942
Toluene	ND	0.049		mg/Kg	1	3/26/2021 8:57:10 PM	58942
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 8:57:10 PM	58942
Xylenes, Total	ND	0.098		mg/Kg	1	3/26/2021 8:57:10 PM	58942
Surr: 4-Bromofluorobenzene	93.6	80-120		%Rec	1	3/26/2021 8:57:10 PM	58942

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-012
Matrix: SOIL
Client Sample ID: V16-3
Collection Date: 3/22/2021 8:31:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	800	60		mg/Kg	20	3/30/2021 1:35:55 PM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	110	9.8		mg/Kg	1	3/27/2021 12:04:43 AM	58950
Motor Oil Range Organics (MRO)	91	49		mg/Kg	1	3/27/2021 12:04:43 AM	58950
Surr: DNOP	42.4	70-130	S	%Rec	1	3/27/2021 12:04:43 AM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2021 9:21:03 PM	58942
Surr: BFB	84.9	75.3-105		%Rec	1	3/26/2021 9:21:03 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 9:21:03 PM	58942
Toluene	ND	0.050		mg/Kg	1	3/26/2021 9:21:03 PM	58942
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2021 9:21:03 PM	58942
Xylenes, Total	ND	0.099		mg/Kg	1	3/26/2021 9:21:03 PM	58942
Surr: 4-Bromofluorobenzene	91.4	80-120		%Rec	1	3/26/2021 9:21:03 PM	58942

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		

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-013

Matrix: SOIL

Client Sample ID: V17-2
Collection Date: 3/22/2021 8:33:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	800	61		mg/Kg	20	3/30/2021 1:48:20 PM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	55	9.8		mg/Kg	1	3/27/2021 12:28:24 AM	58950
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/27/2021 12:28:24 AM	58950
Surr: DNOP	36.0	70-130	S	%Rec	1	3/27/2021 12:28:24 AM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/26/2021 9:44:58 PM	58942
Surr: BFB	84.4	75.3-105		%Rec	1	3/26/2021 9:44:58 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/26/2021 9:44:58 PM	58942
Toluene	ND	0.050		mg/Kg	1	3/26/2021 9:44:58 PM	58942
Ethylbenzene	ND	0.050		mg/Kg	1	3/26/2021 9:44:58 PM	58942
Xylenes, Total	ND	0.099		mg/Kg	1	3/26/2021 9:44:58 PM	58942
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	3/26/2021 9:44:58 PM	58942

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		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 2103B26
Date Reported: 4/2/2021

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-014
Matrix: SOIL
Client Sample ID: V18-2
Collection Date: 3/22/2021 8:35:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1100	59		mg/Kg	20	3/30/2021 2:25:34 PM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	120	9.6		mg/Kg	1	3/27/2021 12:52:04 AM	58950
Motor Oil Range Organics (MRO)	87	48		mg/Kg	1	3/27/2021 12:52:04 AM	58950
Surr: DNOP	34.9	70-130	S	%Rec	1	3/27/2021 12:52:04 AM	58950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 10:08:51 PM	58942
Surr: BFB	85.1	75.3-105		%Rec	1	3/26/2021 10:08:51 PM	58942
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/26/2021 10:08:51 PM	58942
Toluene	ND	0.049		mg/Kg	1	3/26/2021 10:08:51 PM	58942
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 10:08:51 PM	58942
Xylenes, Total	ND	0.097		mg/Kg	1	3/26/2021 10:08:51 PM	58942
Surr: 4-Bromofluorobenzene	90.4	80-120		%Rec	1	3/26/2021 10:08:51 PM	58942

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 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V19-2

Project: Federal FC 2H

Collection Date: 3/22/2021 8:37:00 AM

Lab ID: 2103B26-015

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4300	150		mg/Kg	50	3/31/2021 6:41:22 AM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	13	9.6		mg/Kg	1	3/26/2021 4:30:09 PM	58960
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/26/2021 4:30:09 PM	58960
Surr: DNOP	45.4	70-130	S	%Rec	1	3/26/2021 4:30:09 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/26/2021 10:32:42 PM	58949
Surr: BFB	85.7	75.3-105		%Rec	1	3/26/2021 10:32:42 PM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/26/2021 10:32:42 PM	58949
Toluene	ND	0.049		mg/Kg	1	3/26/2021 10:32:42 PM	58949
Ethylbenzene	ND	0.049		mg/Kg	1	3/26/2021 10:32:42 PM	58949
Xylenes, Total	ND	0.098		mg/Kg	1	3/26/2021 10:32:42 PM	58949
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	3/26/2021 10:32:42 PM	58949

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

Qualifiers:

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

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

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CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-016

Matrix: SOIL

Client Sample ID: V20-2
Collection Date: 3/22/2021 8:39:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1700	60		mg/Kg	20	3/30/2021 2:50:24 PM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/26/2021 5:18:06 PM	58960
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/26/2021 5:18:06 PM	58960
Surr: DNOP	44.4	70-130	S	%Rec	1	3/26/2021 5:18:06 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/27/2021 1:42:18 AM	58949
Surr: BFB	81.4	75.3-105		%Rec	1	3/27/2021 1:42:18 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/27/2021 1:42:18 AM	58949
Toluene	ND	0.050		mg/Kg	1	3/27/2021 1:42:18 AM	58949
Ethylbenzene	ND	0.050		mg/Kg	1	3/27/2021 1:42:18 AM	58949
Xylenes, Total	ND	0.10		mg/Kg	1	3/27/2021 1:42:18 AM	58949
Surr: 4-Bromofluorobenzene	88.7	80-120		%Rec	1	3/27/2021 1:42:18 AM	58949

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		

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-017

Matrix: SOIL

Client Sample ID: V21-2
Collection Date: 3/22/2021 8:41:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	520	61		mg/Kg	20	3/30/2021 3:02:49 PM	59055
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/26/2021 5:42:08 PM	58960
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/26/2021 5:42:08 PM	58960
Surr: DNOP	47.2	70-130	S	%Rec	1	3/26/2021 5:42:08 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/27/2021 2:52:51 AM	58949
Surr: BFB	83.2	75.3-105		%Rec	1	3/27/2021 2:52:51 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 2:52:51 AM	58949
Toluene	ND	0.047		mg/Kg	1	3/27/2021 2:52:51 AM	58949
Ethylbenzene	ND	0.047		mg/Kg	1	3/27/2021 2:52:51 AM	58949
Xylenes, Total	ND	0.094		mg/Kg	1	3/27/2021 2:52:51 AM	58949
Surr: 4-Bromofluorobenzene	90.5	80-120		%Rec	1	3/27/2021 2:52:51 AM	58949

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		

CLIENT: EOG
Project: Federal FC 2H
Lab ID: 2103B26-018

Matrix: SOIL

Client Sample ID: V22-2
Collection Date: 3/22/2021 8:42:00 AM
Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1100	60		mg/Kg	20	3/30/2021 4:04:53 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/26/2021 5:54:12 PM	58960
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/26/2021 5:54:12 PM	58960
Surr: DNOP	1.39	70-130	S	%Rec	1	3/26/2021 5:54:12 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/27/2021 3:16:21 AM	58949
Surr: BFB	85.0	75.3-105		%Rec	1	3/27/2021 3:16:21 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 3:16:21 AM	58949
Toluene	ND	0.047		mg/Kg	1	3/27/2021 3:16:21 AM	58949
Ethylbenzene	ND	0.047		mg/Kg	1	3/27/2021 3:16:21 AM	58949
Xylenes, Total	ND	0.095		mg/Kg	1	3/27/2021 3:16:21 AM	58949
Surr: 4-Bromofluorobenzene	92.5	80-120		%Rec	1	3/27/2021 3:16:21 AM	58949

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 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V23-2

Project: Federal FC 2H

Collection Date: 3/22/2021 8:44:00 AM

Lab ID: 2103B26-019

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2300	150		mg/Kg	50	3/31/2021 6:53:43 AM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/26/2021 6:06:15 PM	58960
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/26/2021 6:06:15 PM	58960
Surr: DNOP	36.5	70-130	S	%Rec	1	3/26/2021 6:06:15 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/27/2021 3:39:55 AM	58949
Surr: BFB	83.9	75.3-105		%Rec	1	3/27/2021 3:39:55 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 3:39:55 AM	58949
Toluene	ND	0.047		mg/Kg	1	3/27/2021 3:39:55 AM	58949
Ethylbenzene	ND	0.047		mg/Kg	1	3/27/2021 3:39:55 AM	58949
Xylenes, Total	ND	0.094		mg/Kg	1	3/27/2021 3:39:55 AM	58949
Surr: 4-Bromofluorobenzene	91.6	80-120		%Rec	1	3/27/2021 3:39:55 AM	58949

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

Qualifiers:

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

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

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Analytical Report
 Lab Order 2103B26
 Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: V24-2
 Project: Federal FC 2H Collection Date: 3/22/2021 8:45:00 AM
 Lab ID: 2103B26-020 Matrix: SOIL Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1400	61		mg/Kg	20	3/30/2021 5:19:20 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	13	9.5		mg/Kg	1	3/26/2021 6:18:20 PM	58960
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/26/2021 6:18:20 PM	58960
Surr: DNOP	33.0	70-130	S	%Rec	1	3/26/2021 6:18:20 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/27/2021 4:03:20 AM	58949
Surr: BFB	82.8	75.3-105		%Rec	1	3/27/2021 4:03:20 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/27/2021 4:03:20 AM	58949
Toluene	ND	0.050		mg/Kg	1	3/27/2021 4:03:20 AM	58949
Ethylbenzene	ND	0.050		mg/Kg	1	3/27/2021 4:03:20 AM	58949
Xylenes, Total	ND	0.10		mg/Kg	1	3/27/2021 4:03:20 AM	58949
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	3/27/2021 4:03:20 AM	58949

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 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V25-2

Project: Federal FC 2H

Collection Date: 3/22/2021 8:47:00 AM

Lab ID: 2103B26-021

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	60		mg/Kg	20	3/30/2021 5:31:44 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/26/2021 6:30:20 PM	58960
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/26/2021 6:30:20 PM	58960
Surr: DNOP	32.8	70-130	S	%Rec	1	3/26/2021 6:30:20 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/27/2021 4:27:07 AM	58949
Surr: BFB	83.4	75.3-105		%Rec	1	3/27/2021 4:27:07 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 4:27:07 AM	58949
Toluene	ND	0.049		mg/Kg	1	3/27/2021 4:27:07 AM	58949
Ethylbenzene	ND	0.049		mg/Kg	1	3/27/2021 4:27:07 AM	58949
Xylenes, Total	ND	0.098		mg/Kg	1	3/27/2021 4:27:07 AM	58949
Surr: 4-Bromofluorobenzene	90.7	80-120		%Rec	1	3/27/2021 4:27:07 AM	58949

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V35-2

Project: Federal FC 2H

Collection Date: 3/22/2021 10:09:00 AM

Lab ID: 2103B26-022

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2600	150		mg/Kg	50	3/31/2021 7:06:04 AM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	32	9.7		mg/Kg	1	3/26/2021 6:42:26 PM	58960
Motor Oil Range Organics (MRO)	50	49		mg/Kg	1	3/26/2021 6:42:26 PM	58960
Surr: DNOP	36.6	70-130	S	%Rec	1	3/26/2021 6:42:26 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/27/2021 4:50:35 AM	58949
Surr: BFB	81.4	75.3-105		%Rec	1	3/27/2021 4:50:35 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 4:50:35 AM	58949
Toluene	ND	0.049		mg/Kg	1	3/27/2021 4:50:35 AM	58949
Ethylbenzene	ND	0.049		mg/Kg	1	3/27/2021 4:50:35 AM	58949
Xylenes, Total	ND	0.097		mg/Kg	1	3/27/2021 4:50:35 AM	58949
Surr: 4-Bromofluorobenzene	89.7	80-120		%Rec	1	3/27/2021 4:50:35 AM	58949

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		

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Analytical Report

Lab Order 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V36-2

Project: Federal FC 2H

Collection Date: 3/22/2021 10:11:00 AM

Lab ID: 2103B26-023

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2400	60		mg/Kg	20	3/30/2021 5:56:34 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	14	9.2		mg/Kg	1	3/26/2021 6:54:26 PM	58960
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/26/2021 6:54:26 PM	58960
Surr: DNOP	42.5	70-130	S	%Rec	1	3/26/2021 6:54:26 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/27/2021 5:14:04 AM	58949
Surr: BFB	80.1	75.3-105		%Rec	1	3/27/2021 5:14:04 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/27/2021 5:14:04 AM	58949
Toluene	ND	0.050		mg/Kg	1	3/27/2021 5:14:04 AM	58949
Ethylbenzene	ND	0.050		mg/Kg	1	3/27/2021 5:14:04 AM	58949
Xylenes, Total	ND	0.10		mg/Kg	1	3/27/2021 5:14:04 AM	58949
Surr: 4-Bromofluorobenzene	89.1	80-120		%Rec	1	3/27/2021 5:14:04 AM	58949

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V37-2

Project: Federal FC 2H

Collection Date: 3/22/2021 10:14:00 AM

Lab ID: 2103B26-024

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	310	60		mg/Kg	20	3/30/2021 6:08:58 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	120	9.4		mg/Kg	1	3/26/2021 7:06:30 PM	58960
Motor Oil Range Organics (MRO)	76	47		mg/Kg	1	3/26/2021 7:06:30 PM	58960
Surr: DNOP	38.5	70-130	S	%Rec	1	3/26/2021 7:06:30 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/27/2021 5:37:40 AM	58949
Surr: BFB	80.9	75.3-105		%Rec	1	3/27/2021 5:37:40 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 5:37:40 AM	58949
Toluene	ND	0.048		mg/Kg	1	3/27/2021 5:37:40 AM	58949
Ethylbenzene	ND	0.048		mg/Kg	1	3/27/2021 5:37:40 AM	58949
Xylenes, Total	ND	0.095		mg/Kg	1	3/27/2021 5:37:40 AM	58949
Surr: 4-Bromofluorobenzene	88.7	80-120		%Rec	1	3/27/2021 5:37:40 AM	58949

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V39-2

Project: Federal FC 2H

Collection Date: 3/22/2021 10:16:00 AM

Lab ID: 2103B26-025

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	3/30/2021 6:21:24 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	30	10		mg/Kg	1	3/26/2021 4:42:03 PM	58960
Motor Oil Range Organics (MRO)	200	50		mg/Kg	1	3/26/2021 4:42:03 PM	58960
Surr: DNOP	52.0	70-130	S	%Rec	1	3/26/2021 4:42:03 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/27/2021 6:01:14 AM	58949
Surr: BFB	83.3	75.3-105		%Rec	1	3/27/2021 6:01:14 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 6:01:14 AM	58949
Toluene	0.067	0.049		mg/Kg	1	3/27/2021 6:01:14 AM	58949
Ethylbenzene	0.049	0.049		mg/Kg	1	3/27/2021 6:01:14 AM	58949
Xylenes, Total	ND	0.098		mg/Kg	1	3/27/2021 6:01:14 AM	58949
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	3/27/2021 6:01:14 AM	58949

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		

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Analytical Report

Lab Order 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V42-3

Project: Federal FC 2H

Collection Date: 3/22/2021 10:21:00 AM

Lab ID: 2103B26-026

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	290	60		mg/Kg	20	3/30/2021 6:33:49 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/26/2021 7:18:24 PM	58960
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/26/2021 7:18:24 PM	58960
Surr: DNOP	44.0	70-130	S	%Rec	1	3/26/2021 7:18:24 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/27/2021 6:48:35 AM	58949
Surr: BFB	84.1	75.3-105		%Rec	1	3/27/2021 6:48:35 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	3/27/2021 6:48:35 AM	58949
Toluene	ND	0.047		mg/Kg	1	3/27/2021 6:48:35 AM	58949
Ethylbenzene	ND	0.047		mg/Kg	1	3/27/2021 6:48:35 AM	58949
Xylenes, Total	ND	0.094		mg/Kg	1	3/27/2021 6:48:35 AM	58949
Surr: 4-Bromofluorobenzene	91.8	80-120		%Rec	1	3/27/2021 6:48:35 AM	58949

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		

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Analytical Report

Lab Order 2103B26

Date Reported: 4/2/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V43-3

Project: Federal FC 2H

Collection Date: 3/22/2021 10:24:00 AM

Lab ID: 2103B26-027

Matrix: SOIL

Received Date: 3/24/2021 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	310	60		mg/Kg	20	3/30/2021 7:11:03 PM	59062
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/26/2021 7:30:24 PM	58960
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/26/2021 7:30:24 PM	58960
Surr: DNOP	50.9	70-130	S	%Rec	1	3/26/2021 7:30:24 PM	58960
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/27/2021 7:12:10 AM	58949
Surr: BFB	83.9	75.3-105		%Rec	1	3/27/2021 7:12:10 AM	58949
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/27/2021 7:12:10 AM	58949
Toluene	ND	0.048		mg/Kg	1	3/27/2021 7:12:10 AM	58949
Ethylbenzene	ND	0.048		mg/Kg	1	3/27/2021 7:12:10 AM	58949
Xylenes, Total	ND	0.095		mg/Kg	1	3/27/2021 7:12:10 AM	58949
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	3/27/2021 7:12:10 AM	58949

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		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103B26

02-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: MB-59046	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59046	RunNo: 76295								
Prep Date: 3/29/2021	Analysis Date: 3/29/2021	SeqNo: 2701393	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59046	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 59046	RunNo: 76295								
Prep Date: 3/29/2021	Analysis Date: 3/29/2021	SeqNo: 2701394	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: MB-59055	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59055	RunNo: 76305								
Prep Date: 3/30/2021	Analysis Date: 3/30/2021	SeqNo: 2703352	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59055	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 59055	RunNo: 76305								
Prep Date: 3/30/2021	Analysis Date: 3/30/2021	SeqNo: 2703353	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Sample ID: MB-59062	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59062	RunNo: 76305								
Prep Date: 3/30/2021	Analysis Date: 3/30/2021	SeqNo: 2703382	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59062	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 59062	RunNo: 76305								
Prep Date: 3/30/2021	Analysis Date: 3/30/2021	SeqNo: 2703383	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103B26

02-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: MB-58960	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58960	RunNo: 76239								
Prep Date: 3/25/2021	Analysis Date: 3/26/2021	SeqNo: 2700765 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	4.6		10.00		46.2	70	130			S

Sample ID: LCS-58960	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58960	RunNo: 76239								
Prep Date: 3/25/2021	Analysis Date: 3/26/2021	SeqNo: 2700766 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	45	10	50.00	0	90.5	68.9	141			
Surr: DNOP	2.3		5.000		47.0	70	130			S

Sample ID: MB-58950	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 58950	RunNo: 76282								
Prep Date: 3/25/2021	Analysis Date: 3/28/2021	SeqNo: 2700848 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	7.9		10.00		78.6	70	130			

Sample ID: LCS-58950	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 58950	RunNo: 76282								
Prep Date: 3/25/2021	Analysis Date: 3/28/2021	SeqNo: 2700849 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	43	10	50.00	0	85.9	68.9	141			
Surr: DNOP	3.5		5.000		69.4	70	130			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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103B26

02-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: mb-58942	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 58942	RunNo: 76249								
Prep Date: 3/24/2021	Analysis Date: 3/26/2021	SeqNo: 2700332 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.8	75.3	105			

Sample ID: lcs-58942	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 58942	RunNo: 76249								
Prep Date: 3/24/2021	Analysis Date: 3/26/2021	SeqNo: 2700333 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.9	80	120			
Surr: BFB	990		1000		99.2	75.3	105			

Sample ID: mb-58949	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 58949	RunNo: 76249								
Prep Date: 3/24/2021	Analysis Date: 3/27/2021	SeqNo: 2700345 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	850		1000		85.0	75.3	105			

Sample ID: lcs-58949	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 58949	RunNo: 76249								
Prep Date: 3/24/2021	Analysis Date: 3/26/2021	SeqNo: 2700346 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	80	120			
Surr: BFB	970		1000		97.1	75.3	105			

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2103B26

02-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: mb-58942	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 58942	RunNo: 76249								
Prep Date: 3/24/2021	Analysis Date: 3/26/2021	SeqNo: 2700394			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	0.97		1.000		96.7	80	120			

Sample ID: LCS-58942	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 58942		RunNo: 76249							
Prep Date: 3/24/2021	Analysis Date: 3/26/2021		SeqNo: 2700395		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.4	80	120			
Toluene	0.98	0.050	1.000	0	98.4	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: mb-58949	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 58949		RunNo: 76249							
Prep Date: 3/24/2021	Analysis Date: 3/27/2021		SeqNo: 2700407		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	0.92		1.000		92.4	80	120			

Sample ID: LCS-58949	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 58949		RunNo: 76249							
Prep Date: 3/24/2021	Analysis Date: 3/27/2021		SeqNo: 2700408		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.5	80	120			
Toluene	0.99	0.050	1.000	0	98.9	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	80	120			

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: EOG

Work Order Number: 2103B26

RcptNo: 1

Received By: Desiree Dominguez 3/24/2021 8:00:00 AM

Completed By: Desiree Dominguez 3/24/2021 10:50:13 AM

Reviewed By: SPA 3.24.21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
 4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°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:

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.7	Good				

Chain-of-Custody RecordClient: EOG Resources, Inc.

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

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

Turn-Around Time:

5 Day☒ Standard ☐ Rush

Project Name:

Federal FL #2H

Project #:

Project Manager:

Chase Settle

Sampler:

Chase SettleOn Ice: ☒ Yes ☐ No# of Coolers: 1Cooler Temp (including cp): 3.7 - 0.0 - 3.7 (°C)

Container Type and #

Preservative Type

HEAL No

2103 B26

4oz Glass / ICE

-001

-002

-003

-004

-005

-006

-007

-008

-009

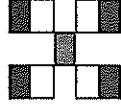
-010

-011

-012

Date: 3/23/21 Time: 8:00Relinquished by: [Signature]Date: 3/23/21 Time: 11:00Relinquished by: [Signature]Received by: [Signature]Via: 3/23/21 0800Received by: [Signature]Via: COUPLER 3/24/21 8:00

Remarks:

15 of 3**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMBs (8021)

TPH: 8015D (GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cd, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)



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

April 28, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Federal FC 2H

OrderNo.: 2104B01

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 21 sample(s) on 4/27/2021 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".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V1-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:00:00 AM

Lab ID: 2104B01-001

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1100	60		mg/Kg	20	4/27/2021 1:39:35 PM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/27/2021 12:25:04 PM	59640
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2021 12:25:04 PM	59640
Surr: DNOP	90.7	70-130		%Rec	1	4/27/2021 12:25:04 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	4/27/2021 9:11:32 AM	G76986
Surr: BFB	102	70-130		%Rec	1	4/27/2021 9:11:32 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	4/27/2021 9:11:32 AM	B76986
Toluene	ND	0.042		mg/Kg	1	4/27/2021 9:11:32 AM	B76986
Ethylbenzene	ND	0.042		mg/Kg	1	4/27/2021 9:11:32 AM	B76986
Xylenes, Total	ND	0.084		mg/Kg	1	4/27/2021 9:11:32 AM	B76986
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	4/27/2021 9:11:32 AM	B76986

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

Qualifiers:

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

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

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Analytical Report
Lab Order 2104B01
Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: V3-3'
Project: Federal FC 2H Collection Date: 4/26/2021 8:02:00 AM
Lab ID: 2104B01-002 Matrix: MEOH (SOIL) Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1000	60		mg/Kg	20	4/27/2021 10:21:05 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	31	9.4		mg/Kg	1	4/27/2021 12:55:16 PM	59640
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2021 12:55:16 PM	59640
Surr: DNOP	39.1	70-130	S	%Rec	1	4/27/2021 12:55:16 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	4/27/2021 9:35:08 AM	G76986
Surr: BFB	104	70-130		%Rec	1	4/27/2021 9:35:08 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	4/27/2021 9:35:08 AM	B76986
Toluene	ND	0.039		mg/Kg	1	4/27/2021 9:35:08 AM	B76986
Ethylbenzene	ND	0.039		mg/Kg	1	4/27/2021 9:35:08 AM	B76986
Xylenes, Total	ND	0.077		mg/Kg	1	4/27/2021 9:35:08 AM	B76986
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	4/27/2021 9:35:08 AM	B76986

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 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V4-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:04:00 AM

Lab ID: 2104B01-003

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	990	60		mg/Kg	20	4/27/2021 10:33:30 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/27/2021 1:05:01 PM	59640
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/27/2021 1:05:01 PM	59640
Surr: DNOP	43.2	70-130	S	%Rec	1	4/27/2021 1:05:01 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	4/27/2021 9:58:41 AM	G76986
Surr: BFB	105	70-130		%Rec	1	4/27/2021 9:58:41 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	4/27/2021 9:58:41 AM	B76986
Toluene	ND	0.031		mg/Kg	1	4/27/2021 9:58:41 AM	B76986
Ethylbenzene	ND	0.031		mg/Kg	1	4/27/2021 9:58:41 AM	B76986
Xylenes, Total	ND	0.062		mg/Kg	1	4/27/2021 9:58:41 AM	B76986
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	4/27/2021 9:58:41 AM	B76986

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V7-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:06:00 AM

Lab ID: 2104B01-004

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	530	60		mg/Kg	20	4/27/2021 10:45:54 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/27/2021 1:14:46 PM	59640
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/27/2021 1:14:46 PM	59640
Surr: DNOP	54.2	70-130	S	%Rec	1	4/27/2021 1:14:46 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	4/27/2021 10:22:13 AM	G76986
Surr: BFB	104	70-130		%Rec	1	4/27/2021 10:22:13 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.015		mg/Kg	1	4/27/2021 10:22:13 AM	B76986
Toluene	ND	0.030		mg/Kg	1	4/27/2021 10:22:13 AM	B76986
Ethylbenzene	ND	0.030		mg/Kg	1	4/27/2021 10:22:13 AM	B76986
Xylenes, Total	ND	0.061		mg/Kg	1	4/27/2021 10:22:13 AM	B76986
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	4/27/2021 10:22:13 AM	B76986

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V10-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:08:00 AM

Lab ID: 2104B01-005

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	4/27/2021 10:58:18 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/27/2021 1:24:35 PM	59640
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/27/2021 1:24:35 PM	59640
Surr: DNOP	29.3	70-130	S	%Rec	1	4/27/2021 1:24:35 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	4/27/2021 10:45:48 AM	G76986
Surr: BFB	107	70-130		%Rec	1	4/27/2021 10:45:48 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	4/27/2021 10:45:48 AM	B76986
Toluene	ND	0.033		mg/Kg	1	4/27/2021 10:45:48 AM	B76986
Ethylbenzene	ND	0.033		mg/Kg	1	4/27/2021 10:45:48 AM	B76986
Xylenes, Total	ND	0.067		mg/Kg	1	4/27/2021 10:45:48 AM	B76986
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	4/27/2021 10:45:48 AM	B76986

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V11-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:10:00 AM

Lab ID: 2104B01-006

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	650	60		mg/Kg	20	4/27/2021 11:10:43 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/27/2021 1:34:20 PM	59640
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/27/2021 1:34:20 PM	59640
Surr: DNOP	29.2	70-130	S	%Rec	1	4/27/2021 1:34:20 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	4/27/2021 11:09:30 AM	G76986
Surr: BFB	104	70-130		%Rec	1	4/27/2021 11:09:30 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	4/27/2021 11:09:30 AM	B76986
Toluene	ND	0.041		mg/Kg	1	4/27/2021 11:09:30 AM	B76986
Ethylbenzene	ND	0.041		mg/Kg	1	4/27/2021 11:09:30 AM	B76986
Xylenes, Total	ND	0.081		mg/Kg	1	4/27/2021 11:09:30 AM	B76986
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	4/27/2021 11:09:30 AM	B76986

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V12-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:12:00 AM

Lab ID: 2104B01-007

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	730	60		mg/Kg	20	4/27/2021 11:23:07 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/27/2021 1:44:06 PM	59640
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2021 1:44:06 PM	59640
Surr: DNOP	17.3	70-130	S	%Rec	1	4/27/2021 1:44:06 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/27/2021 11:33:12 AM	G76986
Surr: BFB	104	70-130		%Rec	1	4/27/2021 11:33:12 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	4/27/2021 11:33:12 AM	B76986
Toluene	ND	0.038		mg/Kg	1	4/27/2021 11:33:12 AM	B76986
Ethylbenzene	ND	0.038		mg/Kg	1	4/27/2021 11:33:12 AM	B76986
Xylenes, Total	ND	0.075		mg/Kg	1	4/27/2021 11:33:12 AM	B76986
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	4/27/2021 11:33:12 AM	B76986

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V13-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:14:00 AM

Lab ID: 2104B01-008

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	390	60		mg/Kg	20	4/27/2021 11:35:31 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/27/2021 1:54:02 PM	59640
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2021 1:54:02 PM	59640
Surr: DNOP	14.6	70-130	S	%Rec	1	4/27/2021 1:54:02 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	4/27/2021 11:56:47 AM	G76986
Surr: BFB	104	70-130		%Rec	1	4/27/2021 11:56:47 AM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	4/27/2021 11:56:47 AM	B76986
Toluene	ND	0.032		mg/Kg	1	4/27/2021 11:56:47 AM	B76986
Ethylbenzene	ND	0.032		mg/Kg	1	4/27/2021 11:56:47 AM	B76986
Xylenes, Total	ND	0.064		mg/Kg	1	4/27/2021 11:56:47 AM	B76986
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	4/27/2021 11:56:47 AM	B76986

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V16-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:16:00 AM

Lab ID: 2104B01-009

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	790	60		mg/Kg	20	4/27/2021 11:47:55 AM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/27/2021 2:03:54 PM	59640
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/27/2021 2:03:54 PM	59640
Surr: DNOP	20.2	70-130	S	%Rec	1	4/27/2021 2:03:54 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	4/27/2021 12:20:26 PM	G76986
Surr: BFB	106	70-130		%Rec	1	4/27/2021 12:20:26 PM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	4/27/2021 12:20:26 PM	B76986
Toluene	ND	0.033		mg/Kg	1	4/27/2021 12:20:26 PM	B76986
Ethylbenzene	ND	0.033		mg/Kg	1	4/27/2021 12:20:26 PM	B76986
Xylenes, Total	ND	0.065		mg/Kg	1	4/27/2021 12:20:26 PM	B76986
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	4/27/2021 12:20:26 PM	B76986

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V17-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:18:00 AM

Lab ID: 2104B01-010

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	410	61		mg/Kg	20	4/27/2021 12:00:19 PM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/27/2021 2:13:49 PM	59640
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2021 2:13:49 PM	59640
Surr: DNOP	16.2	70-130	S	%Rec	1	4/27/2021 2:13:49 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	4/27/2021 12:44:07 PM	G76986
Surr: BFB	104	70-130		%Rec	1	4/27/2021 12:44:07 PM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	4/27/2021 12:44:07 PM	B76986
Toluene	ND	0.044		mg/Kg	1	4/27/2021 12:44:07 PM	B76986
Ethylbenzene	ND	0.044		mg/Kg	1	4/27/2021 12:44:07 PM	B76986
Xylenes, Total	ND	0.087		mg/Kg	1	4/27/2021 12:44:07 PM	B76986
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	4/27/2021 12:44:07 PM	B76986

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 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V18-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:20:00 AM

Lab ID: 2104B01-011

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	420	60		mg/Kg	20	4/27/2021 12:37:33 PM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/27/2021 12:57:50 PM	59640
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2021 12:57:50 PM	59640
Surr: DNOP	83.8	70-130		%Rec	1	4/27/2021 12:57:50 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	4/27/2021 1:31:25 PM	G76986
Surr: BFB	104	70-130		%Rec	1	4/27/2021 1:31:25 PM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.015		mg/Kg	1	4/27/2021 1:31:25 PM	B76986
Toluene	ND	0.030		mg/Kg	1	4/27/2021 1:31:25 PM	B76986
Ethylbenzene	ND	0.030		mg/Kg	1	4/27/2021 1:31:25 PM	B76986
Xylenes, Total	ND	0.061		mg/Kg	1	4/27/2021 1:31:25 PM	B76986
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	4/27/2021 1:31:25 PM	B76986

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V19-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:22:00 AM

Lab ID: 2104B01-012

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	320	59		mg/Kg	20	4/27/2021 12:49:58 PM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/27/2021 1:11:00 PM	59640
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2021 1:11:00 PM	59640
Surr: DNOP	80.1	70-130		%Rec	1	4/27/2021 1:11:00 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	4/27/2021 1:54:58 PM	G76986
Surr: BFB	106	70-130		%Rec	1	4/27/2021 1:54:58 PM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	4/27/2021 1:54:58 PM	B76986
Toluene	ND	0.039		mg/Kg	1	4/27/2021 1:54:58 PM	B76986
Ethylbenzene	ND	0.039		mg/Kg	1	4/27/2021 1:54:58 PM	B76986
Xylenes, Total	ND	0.079		mg/Kg	1	4/27/2021 1:54:58 PM	B76986
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	4/27/2021 1:54:58 PM	B76986

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V20-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:24:00 AM

Lab ID: 2104B01-013

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	210	60		mg/Kg	20	4/27/2021 1:02:22 PM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/27/2021 1:24:38 PM	59640
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/27/2021 1:24:38 PM	59640
Surr: DNOP	76.7	70-130		%Rec	1	4/27/2021 1:24:38 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	4/27/2021 2:18:33 PM	G76986
Surr: BFB	103	70-130		%Rec	1	4/27/2021 2:18:33 PM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	4/27/2021 2:18:33 PM	B76986
Toluene	ND	0.044		mg/Kg	1	4/27/2021 2:18:33 PM	B76986
Ethylbenzene	ND	0.044		mg/Kg	1	4/27/2021 2:18:33 PM	B76986
Xylenes, Total	ND	0.088		mg/Kg	1	4/27/2021 2:18:33 PM	B76986
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	4/27/2021 2:18:33 PM	B76986

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 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V22-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:26:00 AM

Lab ID: 2104B01-014

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	720	60		mg/Kg	20	4/27/2021 1:14:47 PM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/27/2021 1:37:41 PM	59640
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/27/2021 1:37:41 PM	59640
Surr: DNOP	75.1	70-130		%Rec	1	4/27/2021 1:37:41 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	4/27/2021 2:42:16 PM	G76986
Surr: BFB	105	70-130		%Rec	1	4/27/2021 2:42:16 PM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	4/27/2021 2:42:16 PM	B76986
Toluene	ND	0.041		mg/Kg	1	4/27/2021 2:42:16 PM	B76986
Ethylbenzene	ND	0.041		mg/Kg	1	4/27/2021 2:42:16 PM	B76986
Xylenes, Total	ND	0.082		mg/Kg	1	4/27/2021 2:42:16 PM	B76986
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	4/27/2021 2:42:16 PM	B76986

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 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V23-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:28:00 AM

Lab ID: 2104B01-015

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	190	61		mg/Kg	20	4/27/2021 1:27:11 PM	59646
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/27/2021 1:50:58 PM	59640
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2021 1:50:58 PM	59640
Surr: DNOP	75.9	70-130		%Rec	1	4/27/2021 1:50:58 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	4/27/2021 3:05:45 PM	G76986
Surr: BFB	106	70-130		%Rec	1	4/27/2021 3:05:45 PM	G76986
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	4/27/2021 3:05:45 PM	B76986
Toluene	ND	0.041		mg/Kg	1	4/27/2021 3:05:45 PM	B76986
Ethylbenzene	ND	0.041		mg/Kg	1	4/27/2021 3:05:45 PM	B76986
Xylenes, Total	ND	0.082		mg/Kg	1	4/27/2021 3:05:45 PM	B76986
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	4/27/2021 3:05:45 PM	B76986

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V24-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:30:00 AM

Lab ID: 2104B01-016

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	980	60		mg/Kg	20	4/27/2021 10:03:08 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/27/2021 11:11:18 AM	59640
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/27/2021 11:11:18 AM	59640
Surr: DNOP	67.9	70-130	S	%Rec	1	4/27/2021 11:11:18 AM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/27/2021 12:00:00 PM	R76974
Surr: BFB	113	70-130		%Rec	1	4/27/2021 12:00:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	4/27/2021 12:00:00 PM	B76974
Toluene	ND	0.048		mg/Kg	1	4/27/2021 12:00:00 PM	B76974
Ethylbenzene	ND	0.048		mg/Kg	1	4/27/2021 12:00:00 PM	B76974
Xylenes, Total	ND	0.096		mg/Kg	1	4/27/2021 12:00:00 PM	B76974
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	4/27/2021 12:00:00 PM	B76974

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V25-4'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:32:00 AM

Lab ID: 2104B01-017

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	830	60		mg/Kg	20	4/27/2021 10:15:29 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/27/2021 11:56:42 AM	59640
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2021 11:56:42 AM	59640
Surr: DNOP	71.7	70-130		%Rec	1	4/27/2021 11:56:42 AM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/27/2021 12:20:00 PM	R76974
Surr: BFB	111	70-130		%Rec	1	4/27/2021 12:20:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	4/27/2021 12:20:00 PM	B76974
Toluene	ND	0.046		mg/Kg	1	4/27/2021 12:20:00 PM	B76974
Ethylbenzene	ND	0.046		mg/Kg	1	4/27/2021 12:20:00 PM	B76974
Xylenes, Total	ND	0.092		mg/Kg	1	4/27/2021 12:20:00 PM	B76974
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	4/27/2021 12:20:00 PM	B76974

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V35-2.5'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:35:00 AM

Lab ID: 2104B01-018

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	170	60		mg/Kg	20	4/27/2021 10:27:50 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	18	9.6		mg/Kg	1	4/27/2021 12:20:46 PM	59640
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2021 12:20:46 PM	59640
Surr: DNOP	55.7	70-130	S	%Rec	1	4/27/2021 12:20:46 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	4/27/2021 12:40:00 PM	R76974
Surr: BFB	116	70-130		%Rec	1	4/27/2021 12:40:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.021		mg/Kg	1	4/27/2021 12:40:00 PM	B76974
Toluene	ND	0.042		mg/Kg	1	4/27/2021 12:40:00 PM	B76974
Ethylbenzene	ND	0.042		mg/Kg	1	4/27/2021 12:40:00 PM	B76974
Xylenes, Total	ND	0.084		mg/Kg	1	4/27/2021 12:40:00 PM	B76974
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	4/27/2021 12:40:00 PM	B76974

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V36-2.5'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:38:00 AM

Lab ID: 2104B01-019

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	4/27/2021 10:40:12 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/27/2021 12:44:58 PM	59640
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/27/2021 12:44:58 PM	59640
Surr: DNOP	63.1	70-130	S	%Rec	1	4/27/2021 12:44:58 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/27/2021 1:00:00 PM	R76974
Surr: BFB	112	70-130		%Rec	1	4/27/2021 1:00:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.018		mg/Kg	1	4/27/2021 1:00:00 PM	B76974
Toluene	ND	0.036		mg/Kg	1	4/27/2021 1:00:00 PM	B76974
Ethylbenzene	ND	0.036		mg/Kg	1	4/27/2021 1:00:00 PM	B76974
Xylenes, Total	ND	0.071		mg/Kg	1	4/27/2021 1:00:00 PM	B76974
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	4/27/2021 1:00:00 PM	B76974

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V37-2.5'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:41:00 AM

Lab ID: 2104B01-020

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	4/27/2021 10:52:33 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	250	9.3		mg/Kg	1	4/27/2021 12:34:46 PM	59640
Motor Oil Range Organics (MRO)	210	46		mg/Kg	1	4/27/2021 12:34:46 PM	59640
Surr: DNOP	89.0	70-130		%Rec	1	4/27/2021 12:34:46 PM	59640
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	21		mg/Kg	5	4/27/2021 1:20:00 PM	R76974
Surr: BFB	109	70-130		%Rec	5	4/27/2021 1:20:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.11		mg/Kg	5	4/27/2021 1:20:00 PM	B76974
Toluene	ND	0.21		mg/Kg	5	4/27/2021 1:20:00 PM	B76974
Ethylbenzene	ND	0.21		mg/Kg	5	4/27/2021 1:20:00 PM	B76974
Xylenes, Total	ND	0.43		mg/Kg	5	4/27/2021 1:20:00 PM	B76974
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	5	4/27/2021 1:20:00 PM	B76974

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		

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Analytical Report

Lab Order 2104B01

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: V39-2.5'

Project: Federal FC 2H

Collection Date: 4/26/2021 8:43:00 AM

Lab ID: 2104B01-021

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	410	60		mg/Kg	20	4/27/2021 11:04:53 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/27/2021 12:44:41 PM	59641
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/27/2021 12:44:41 PM	59641
Surr: DNOP	78.8	70-130		%Rec	1	4/27/2021 12:44:41 PM	59641
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	4/27/2021 1:39:00 PM	R76974
Surr: BFB	107	70-130		%Rec	1	4/27/2021 1:39:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.020		mg/Kg	1	4/27/2021 1:39:00 PM	B76974
Toluene	ND	0.041		mg/Kg	1	4/27/2021 1:39:00 PM	B76974
Ethylbenzene	ND	0.041		mg/Kg	1	4/27/2021 1:39:00 PM	B76974
Xylenes, Total	ND	0.082		mg/Kg	1	4/27/2021 1:39:00 PM	B76974
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	4/27/2021 1:39:00 PM	B76974

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		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B01

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: MB-59647	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59647	RunNo: 76982								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728804 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59647		SampType: LCS		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 59647		RunNo: 76982						
Prep Date: 4/27/2021		Analysis Date: 4/27/2021		SeqNo: 2728805			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Sample ID: MB-59646	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59646	RunNo: 76981								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728989 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59646		SampType: LCS		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 59646		RunNo: 76981						
Prep Date: 4/27/2021		Analysis Date: 4/27/2021		SeqNo: 2728990		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

Qualifiers:

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

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

Page 22 of 25

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B01

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: MB-59641	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59641	RunNo: 76973								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728225 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.2	70	130			

Sample ID: MB-59603	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59603	RunNo: 76951								
Prep Date: 4/23/2021	Analysis Date: 4/27/2021	SeqNo: 2728306 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		85.5	70	130			

Sample ID: LCS-59641	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 59641	RunNo: 76973								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728602 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.8	68.9	141			
Surr: DNOP	3.8		5.000		75.6	70	130			

Sample ID: MB-59640	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59640	RunNo: 76973								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728603 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.2		10.00		82.0	70	130			

Sample ID: LCS-59640	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 59640	RunNo: 76973								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728604 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.9	68.9	141			
Surr: DNOP	3.8		5.000		75.8	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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B01

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: 2.5ug GRO lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728235 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.3	78.6	131			
Surr: BFB	1300		1000		129	70	130			

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728238 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	1100		1000		111	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: G76986	RunNo: 76986								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728860 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		105	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: G76986	RunNo: 76986								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728861 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	78.6	131			
Surr: BFB	1200		1000		117	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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B01

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: 100ng BTEX lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728236 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.91	0.050	1.000	0	91.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.9	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	70	130			

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728239 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	0.94		1.000		93.8	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B76986	RunNo: 76986								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728908 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	1.1		1.000		106	70	130			

Sample ID: 100ng btxc lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B76986	RunNo: 76986								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728909 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	104	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	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

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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: EOG

Work Order Number: 2104B01

RcptNo: 1

Received By: Cheyenne Cason 4/27/2021 7:39:00 AM

Completed By: Cheyenne Cason 4/27/2021 7:44:08 AM

Reviewed By: SCL 4/27/21

Chen

Chen

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: JR 4/27/21

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No.	Temp. $^{\circ}\text{C}$	Condition	Seal Intact	Seal No.	Seal Date	Signed By
1	0.6	Good				
2	0.3	Good				

Chain-of-Custody Record

Client: EOG Resources, Inc.Mailing Address: On File

Phone #:

email or Fax#:

QA/QC Package:

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

Turn-Around Time:

☐ Standard ☒ Rush Same Day

Project Name:

Federal FC #2H

Project #:

Project Manager:

Chase Smith

Sampler:

Chase SmithOn Ice: ☐ Yes ☐ No# of Copes: 2Cooler Temperature: 4.4°C

Relinquished by:

Date:

Time:

Relinquished by:

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Remarks:

Chain-of-Custody Record

Client: EOB Services, Inc.

Mailing Address: Qa File

Phone #: _____

email or Fax#: _____

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

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time: _____

☐ Standard ☒ Rush Same Day

Project Name: Federal FC #2H

Project #: _____

Project Manager: Chase Suttle

Sampler: Chase Suttle

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp. (F): _____

Container Type and #	Preservative Type	HEAL No.
4oz Glass / ICE	ICE	013
		014
		015
		016
		017
		018
		019
		020
		021

Received by: [Signature] Date: 4/28/21 Time: 1300

Received by: See can Date: _____ Time: _____

Date: 4/28/21 Time: 1:00 Relinquished by: [Signature]

Date: 4/28/21 Time: 1:00 Relinquished by: [Signature]



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request									
BTEX / MTBE / TMBs (6021)	X								
TPH: 8015D (GRO / DRO / MRO)	X								
8081 Pesticides/8082 PCBs									
EDB (Method 504.1)									
PAHs by 8310 or 8270SIMS									
RCRA 8 Metals									
(Cl) F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	X								
8260 (VOA)									
8270 (Semi-VOA)									
Total Coliform (Present/Absent)									

Remarks: Pg 2 of 2

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

April 28, 2021

Chase Settle

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Federal FC 2H

OrderNo.: 2104B02

Dear Chase Settle:

Hall Environmental Analysis Laboratory received 10 sample(s) on 4/27/2021 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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A1-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:00:00 AM

Lab ID: 2104B02-001

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	160	60		mg/Kg	20	4/27/2021 11:41:57 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.0		mg/Kg	1	4/27/2021 10:25:12 AM	59641
Motor Oil Range Organics (MRO)	ND	40		mg/Kg	1	4/27/2021 10:25:12 AM	59641
Surr: DNOP	87.2	70-130		%Rec	1	4/27/2021 10:25:12 AM	59641
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	4/27/2021 1:59:00 PM	R76974
Surr: BFB	109	70-130		%Rec	1	4/27/2021 1:59:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.016		mg/Kg	1	4/27/2021 1:59:00 PM	B76974
Toluene	ND	0.032		mg/Kg	1	4/27/2021 1:59:00 PM	B76974
Ethylbenzene	ND	0.032		mg/Kg	1	4/27/2021 1:59:00 PM	B76974
Xylenes, Total	ND	0.065		mg/Kg	1	4/27/2021 1:59:00 PM	B76974
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	4/27/2021 1:59:00 PM	B76974

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 16

Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A2-8'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:04:00 AM

Lab ID: 2104B02-002

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	100	60		mg/Kg	20	4/27/2021 11:54:19 AM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/27/2021 10:44:05 AM	59641
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2021 10:44:05 AM	59641
Surr: DNOP	82.9	70-130		%Rec	1	4/27/2021 10:44:05 AM	59641
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	4/27/2021 2:19:00 PM	R76974
Surr: BFB	108	70-130		%Rec	1	4/27/2021 2:19:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.018		mg/Kg	1	4/27/2021 2:19:00 PM	B76974
Toluene	ND	0.036		mg/Kg	1	4/27/2021 2:19:00 PM	B76974
Ethylbenzene	ND	0.036		mg/Kg	1	4/27/2021 2:19:00 PM	B76974
Xylenes, Total	ND	0.073		mg/Kg	1	4/27/2021 2:19:00 PM	B76974
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	4/27/2021 2:19:00 PM	B76974

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		

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A3-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:11:00 AM

Lab ID: 2104B02-003

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	220	60		mg/Kg	20	4/27/2021 12:06:38 PM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/27/2021 10:57:12 AM	59641
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/27/2021 10:57:12 AM	59641
Surr: DNOP	81.9	70-130		%Rec	1	4/27/2021 10:57:12 AM	59641
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	2.3		mg/Kg	1	4/27/2021 2:39:00 PM	R76974
Surr: BFB	111	70-130		%Rec	1	4/27/2021 2:39:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.012		mg/Kg	1	4/27/2021 2:39:00 PM	B76974
Toluene	ND	0.023		mg/Kg	1	4/27/2021 2:39:00 PM	B76974
Ethylbenzene	ND	0.023		mg/Kg	1	4/27/2021 2:39:00 PM	B76974
Xylenes, Total	ND	0.047		mg/Kg	1	4/27/2021 2:39:00 PM	B76974
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	4/27/2021 2:39:00 PM	B76974

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A4-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:17:00 AM

Lab ID: 2104B02-004

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	4/27/2021 12:19:00 PM	59647
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	4/27/2021 11:10:50 AM	59641
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/27/2021 11:10:50 AM	59641
Surr: DNOP	88.5	70-130		%Rec	1	4/27/2021 11:10:50 AM	59641
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	4/27/2021 2:59:00 PM	R76974
Surr: BFB	112	70-130		%Rec	1	4/27/2021 2:59:00 PM	R76974
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.018		mg/Kg	1	4/27/2021 2:59:00 PM	B76974
Toluene	ND	0.035		mg/Kg	1	4/27/2021 2:59:00 PM	B76974
Ethylbenzene	ND	0.035		mg/Kg	1	4/27/2021 2:59:00 PM	B76974
Xylenes, Total	ND	0.071		mg/Kg	1	4/27/2021 2:59:00 PM	B76974
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	4/27/2021 2:59:00 PM	B76974

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		

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A5-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:21:00 AM

Lab ID: 2104B02-005

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	260	60		mg/Kg	20	4/27/2021 12:31:21 PM	59647
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	4/27/2021 1:20:30 PM	59589
Surr: BFB	113	70-130		%Rec	1	4/27/2021 1:20:30 PM	59589
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/27/2021 11:24:05 AM	59641
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/27/2021 11:24:05 AM	59641
Surr: DNOP	84.5	70-130		%Rec	1	4/27/2021 11:24:05 AM	59641
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.016		mg/Kg	1	4/27/2021 1:20:30 PM	59589
Toluene	ND	0.032		mg/Kg	1	4/27/2021 1:20:30 PM	59589
Ethylbenzene	ND	0.032		mg/Kg	1	4/27/2021 1:20:30 PM	59589
Xylenes, Total	ND	0.065		mg/Kg	1	4/27/2021 1:20:30 PM	59589
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%Rec	1	4/27/2021 1:20:30 PM	59589
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	4/27/2021 1:20:30 PM	59589
Surr: Dibromofluoromethane	103	70-130		%Rec	1	4/27/2021 1:20:30 PM	59589
Surr: Toluene-d8	101	70-130		%Rec	1	4/27/2021 1:20:30 PM	59589

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		

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A6-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:25:00 AM

Lab ID: 2104B02-006

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	94	60		mg/Kg	20	4/27/2021 12:43:42 PM	59647
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	4/27/2021 1:49:03 PM	59589
Surr: BFB	112	70-130		%Rec	1	4/27/2021 1:49:03 PM	59589
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/27/2021 11:37:39 AM	59641
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/27/2021 11:37:39 AM	59641
Surr: DNOP	88.4	70-130		%Rec	1	4/27/2021 11:37:39 AM	59641
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.017		mg/Kg	1	4/27/2021 1:49:03 PM	59589
Toluene	ND	0.033		mg/Kg	1	4/27/2021 1:49:03 PM	59589
Ethylbenzene	ND	0.033		mg/Kg	1	4/27/2021 1:49:03 PM	59589
Xylenes, Total	ND	0.066		mg/Kg	1	4/27/2021 1:49:03 PM	59589
Surr: 1,2-Dichloroethane-d4	90.3	70-130		%Rec	1	4/27/2021 1:49:03 PM	59589
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	4/27/2021 1:49:03 PM	59589
Surr: Dibromofluoromethane	100	70-130		%Rec	1	4/27/2021 1:49:03 PM	59589
Surr: Toluene-d8	99.6	70-130		%Rec	1	4/27/2021 1:49:03 PM	59589

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

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

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

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A7-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:29:00 AM

Lab ID: 2104B02-007

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	150	60		mg/Kg	20	4/27/2021 12:56:02 PM	59647
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	2.7		mg/Kg	1	4/27/2021 2:17:42 PM	59589
Surr: BFB	106	70-130		%Rec	1	4/27/2021 2:17:42 PM	59589
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/27/2021 11:51:23 AM	59641
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/27/2021 11:51:23 AM	59641
Surr: DNOP	90.7	70-130		%Rec	1	4/27/2021 11:51:23 AM	59641
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.014		mg/Kg	1	4/27/2021 2:17:42 PM	59589
Toluene	ND	0.027		mg/Kg	1	4/27/2021 2:17:42 PM	59589
Ethylbenzene	ND	0.027		mg/Kg	1	4/27/2021 2:17:42 PM	59589
Xylenes, Total	ND	0.055		mg/Kg	1	4/27/2021 2:17:42 PM	59589
Surr: 1,2-Dichloroethane-d4	87.6	70-130		%Rec	1	4/27/2021 2:17:42 PM	59589
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	4/27/2021 2:17:42 PM	59589
Surr: Dibromofluoromethane	100	70-130		%Rec	1	4/27/2021 2:17:42 PM	59589
Surr: Toluene-d8	98.2	70-130		%Rec	1	4/27/2021 2:17:42 PM	59589

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

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

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

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A8-3'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:34:00 AM

Lab ID: 2104B02-008

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	290	60		mg/Kg	20	4/27/2021 1:08:22 PM	59647
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/27/2021 2:46:25 PM	59589
Surr: BFB	111	70-130		%Rec	1	4/27/2021 2:46:25 PM	59589
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/27/2021 12:04:43 PM	59641
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/27/2021 12:04:43 PM	59641
Surr: DNOP	84.9	70-130		%Rec	1	4/27/2021 12:04:43 PM	59641
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.019		mg/Kg	1	4/27/2021 2:46:25 PM	59589
Toluene	ND	0.038		mg/Kg	1	4/27/2021 2:46:25 PM	59589
Ethylbenzene	ND	0.038		mg/Kg	1	4/27/2021 2:46:25 PM	59589
Xylenes, Total	ND	0.076		mg/Kg	1	4/27/2021 2:46:25 PM	59589
Surr: 1,2-Dichloroethane-d4	91.7	70-130		%Rec	1	4/27/2021 2:46:25 PM	59589
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	4/27/2021 2:46:25 PM	59589
Surr: Dibromofluoromethane	104	70-130		%Rec	1	4/27/2021 2:46:25 PM	59589
Surr: Toluene-d8	94.8	70-130		%Rec	1	4/27/2021 2:46:25 PM	59589

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		

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A9-3'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:39:00 AM

Lab ID: 2104B02-009

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	240	61		mg/Kg	20	4/27/2021 1:20:44 PM	59647
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	4/27/2021 3:15:00 PM	59589
Surr: BFB	113	70-130		%Rec	1	4/27/2021 3:15:00 PM	59589
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	4/27/2021 12:17:53 PM	59641
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/27/2021 12:17:53 PM	59641
Surr: DNOP	85.2	70-130		%Rec	1	4/27/2021 12:17:53 PM	59641
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.015		mg/Kg	1	4/27/2021 3:15:00 PM	59589
Toluene	ND	0.030		mg/Kg	1	4/27/2021 3:15:00 PM	59589
Ethylbenzene	ND	0.030		mg/Kg	1	4/27/2021 3:15:00 PM	59589
Xylenes, Total	ND	0.060		mg/Kg	1	4/27/2021 3:15:00 PM	59589
Surr: 1,2-Dichloroethane-d4	90.2	70-130		%Rec	1	4/27/2021 3:15:00 PM	59589
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	4/27/2021 3:15:00 PM	59589
Surr: Dibromofluoromethane	99.3	70-130		%Rec	1	4/27/2021 3:15:00 PM	59589
Surr: Toluene-d8	94.6	70-130		%Rec	1	4/27/2021 3:15:00 PM	59589

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

Qualifiers:

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

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

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Analytical Report

Lab Order 2104B02

Date Reported: 4/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: A10-6'

Project: Federal FC 2H

Collection Date: 4/26/2021 9:42:00 AM

Lab ID: 2104B02-010

Matrix: MEOH (SOIL)

Received Date: 4/27/2021 7:39:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	4/27/2021 1:33:05 PM	59647
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	2.5		mg/Kg	1	4/27/2021 3:43:35 PM	59589
Surr: BFB	106	70-130		%Rec	1	4/27/2021 3:43:35 PM	59589
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.3		mg/Kg	1	4/27/2021 12:30:59 PM	59641
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	4/27/2021 12:30:59 PM	59641
Surr: DNOP	88.3	70-130		%Rec	1	4/27/2021 12:30:59 PM	59641
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.012		mg/Kg	1	4/27/2021 3:43:35 PM	59589
Toluene	ND	0.025		mg/Kg	1	4/27/2021 3:43:35 PM	59589
Ethylbenzene	ND	0.025		mg/Kg	1	4/27/2021 3:43:35 PM	59589
Xylenes, Total	ND	0.050		mg/Kg	1	4/27/2021 3:43:35 PM	59589
Surr: 1,2-Dichloroethane-d4	87.5	70-130		%Rec	1	4/27/2021 3:43:35 PM	59589
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	4/27/2021 3:43:35 PM	59589
Surr: Dibromofluoromethane	104	70-130		%Rec	1	4/27/2021 3:43:35 PM	59589
Surr: Toluene-d8	97.2	70-130		%Rec	1	4/27/2021 3:43:35 PM	59589

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		

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B02

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: MB-59647	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 59647	RunNo: 76982								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728804 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-59647		SampType: LCS		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 59647		RunNo: 76982						
Prep Date: 4/27/2021		Analysis Date: 4/27/2021		SeqNo: 2728805		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Qualifiers:

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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B02

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: MB-59641	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 59641	RunNo: 76973								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728225 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.2	70	130			

Sample ID: LCS-59641	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 59641	RunNo: 76973								
Prep Date: 4/27/2021	Analysis Date: 4/27/2021	SeqNo: 2728602 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.8	68.9	141			
Surr: DNOP	3.8		5.000		75.6	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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B02

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: 2.5ug GRO lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: R76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728235 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.3	78.6	131			
Surr: BFB	1300		1000		129	70	130			

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728238 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	1100		1000		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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B02

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: 100ng BTEX Ics	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728236 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.91	0.050	1.000	0	91.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.9	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	70	130			

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B76974	RunNo: 76974								
Prep Date:	Analysis Date: 4/27/2021	SeqNo: 2728239 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	0.94		1.000		93.8	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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B02

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: ics-59589	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 59589	RunNo: 76991								
Prep Date: 4/22/2021	Analysis Date: 4/27/2021	SeqNo: 2728726 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	102	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 1,2-Dichloroethane-d4	0.43		0.5000		86.5	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.2	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.5	70	130			
Surr: Toluene-d8	0.49		0.5000		97.2	70	130			

Sample ID: mb-59589	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 59589	RunNo: 76991								
Prep Date: 4/22/2021	Analysis Date: 4/27/2021	SeqNo: 2728727 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		89.4	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		95.0	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.49		0.5000		98.4	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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104B02

28-Apr-21

Client: EOG
Project: Federal FC 2H

Sample ID: lcs-59589	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 59589	RunNo: 76991								
Prep Date: 4/22/2021	Analysis Date: 4/27/2021	SeqNo: 2728735			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	105	70	130			
Surr: BFB	540		500.0		108	70	130			

Sample ID: mb-59589	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 59589	RunNo: 76991								
Prep Date: 4/22/2021	Analysis Date: 4/27/2021	SeqNo: 2728736			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	560		500.0		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
- 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

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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: EOG

Work Order Number: 2104B02

ReptNo: 1

Received By: Cheyenne Cason 4/27/2021 7:39:00 AM

Completed By: Cheyenne Cason 4/27/2021 7:55:56 AM

Reviewed By: SGL 4/27/21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°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: JR 4/27/21

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good				
2	0.3	Good				

Chain-of-Custody Record

Client: EOG Resources, Inc.Mailing Address: On FilePhone #: _____
email or Fax#: _____QA/QC Package: _____
☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other _____
☐ EDD (Type) _____

Date	Time	Matrix	Sample Name
4/26/21	9:00	Soil	A1-6'
	9:04		A2-8'
	9:11		A3-6'
	9:17		A4-6'
	9:21		A5-6'
	9:25		A6-6'
	9:29		A7-6'
	9:34		A8-3'
	9:39		A9-3'
	9:42		A10-6'

Date: 4/26/21 Time: 1:00
Relinquished by: [Signature]Date: 4/26/21 Time: 1:00
Relinquished by: [Signature]

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.

Turn-Around Time: _____
☐ Standard ☒ Rush SAME DAY
Project Name: Federal FC #2H
Project #: _____Project Manager: Chase SettleSampler: Chase Settle
On Ice: ☐ Yes ☐ No
of Coolers: 2
Cooler Temp (min): 0.1 0.2 0.3 0.4 0.5 (C)Container Type and #
4 oz Glass / TIEPreservative Type
TIEHEAL No.
2104602

BTX / MTBE / TMBs (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCBs

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Analysis Request

Remarks:

PS 1 of 1

Received by: [Signature] Date: 4/26/21 Time: 1300Received by: [Signature] Date: 4/27/21 Time: 0739

Car can

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

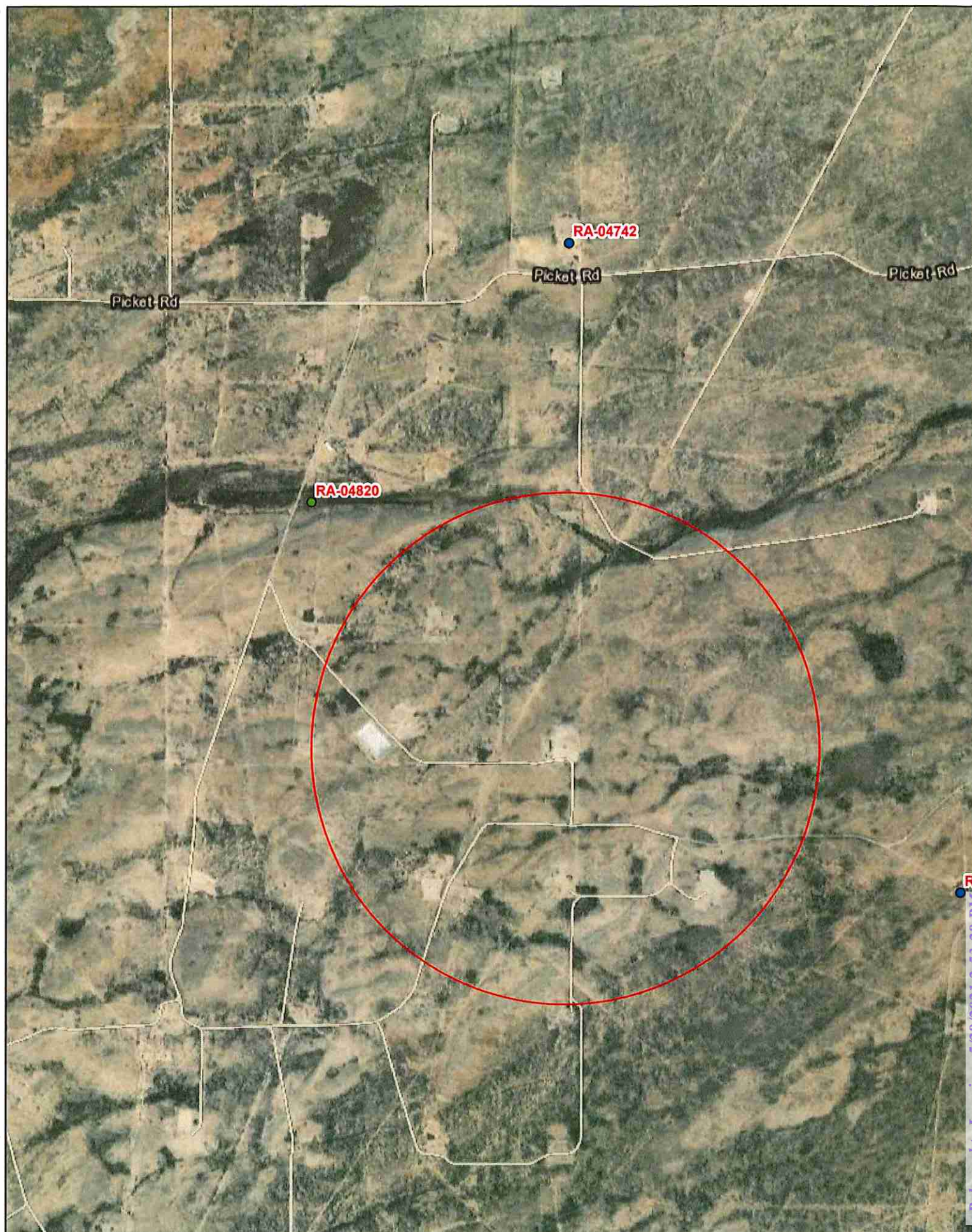
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Appendix B

NMOSE Groundwater Data

Federal FC #2H





New Mexico Office of the State Engineer 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	Q64Q16Q4 Sec Tws Rng	X	Y
	RA 04502	2 2 25 20S 24E	543656	3601480*

Driller License:

Driller Company:

Driller Name:

Drill Start Date: 09/30/1961

Drill Finish Date: 10/15/1961

Plug Date:

Log File Date: 02/02/1962

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 7.00

Depth Well: 300 feet

Depth Water: 268 feet

Water Bearing Stratifications:

Top Bottom Description

267 268 Limestone/Dolomite/Chalk

*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.

4/27/21 12:43 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer 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 04742	3 3 13	20S	24E		542408	3603517*

Driller License:	Driller Company:	
Driller Name:		
Drill Start Date:	Drill Finish Date:	Plug Date:
Log File Date: 12/14/1962	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size: 7.00	Depth Well: 300 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.

4/27/21 12:58 PM

POINT OF DIVERSION SUMMARY

Appendix C

NRCS Soil Data



Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)		Spoil Area
Area of Interest (AOI)		Stony Spot
Soils		Very Stony Spot
Soil Map Unit Polygons		Wet Spot
Soil Map Unit Lines		Other
Soil Map Unit Points		Special Line Features
Special Point Features		
Blowout		Water Features
Borrow Pit		Streams and Canals
Clay Spot		Transportation
Closed Depression		Rails
Gravel Pit		Interstate Highways
Gravelly Spot		US Routes
Landfill		Major Roads
Lava Flow		Local Roads
Marsh or swamp		Background
Mine or Quarry		Aerial Photography
Miscellaneous Water		
Perennial Water		
Rock Outcrop		
Saline Spot		
Sandy Spot		
Severely Eroded Spot		
Sinkhole		
Slide or Slip		
Sodic Spot		

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 16, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
UR	Upton-Reagan complex, 0 to 9 percent slopes	2.3	100.0%
Totals for Area of Interest		2.3	100.0%

Appendix D

FEMA Flood Map

FEMA Flood Map Service Center: Search By Address

Navigation

Search

Languages

MSC Home ([/portal/](#))

MSC Search by Address
([/portal/search](#))

MSC Search All Products
([/portal/advanceSearch](#))

▼ MSC Products and Tools
([/portal/resources/productsandtools](#))

Hazus
([/portal/resources/hazus](#))

LOMC Batch Files
([/portal/resources/lomc](#))

Product Availability
([/portal/productAvailability](#))

MSC Frequently Asked
Questions (FAQs)
([/portal/resources/faq](#))

MSC Email Subscriptions
([/portal/subscriptionHome](#))

Contact MSC Help
([/portal/resources/contact](#))

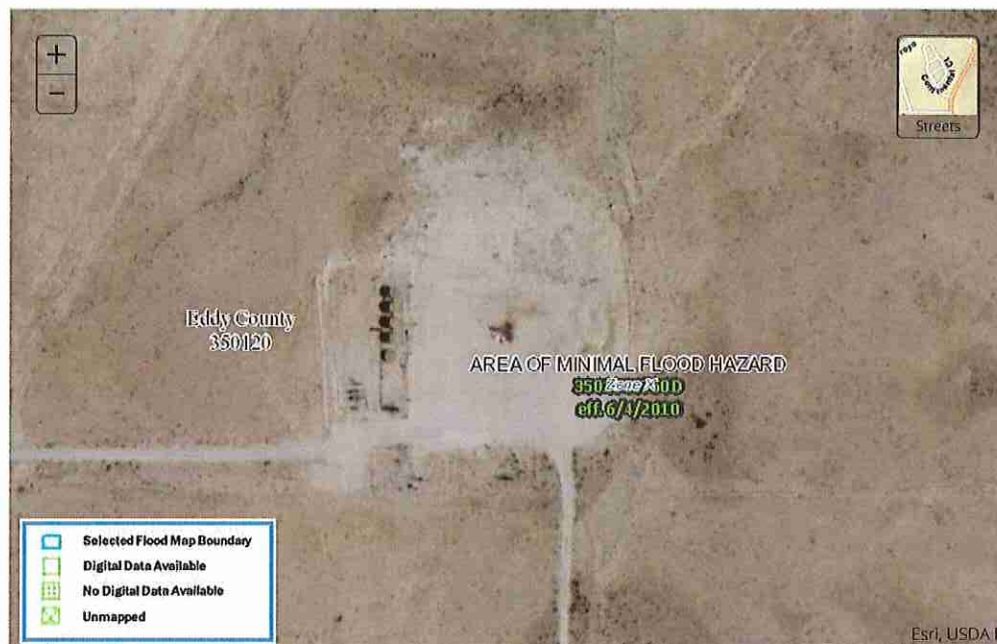
Enter an address, place, or coordinates: ?

Eddy County New Mexico

Search

Whether you are in a high risk zone or not, you may need [flood insurance \(https://www.fema.gov/national-flood-insurance-program\)](https://www.fema.gov/national-flood-insurance-program) because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about [steps you can take \(https://www.fema.gov/what-mitigation\)](https://www.fema.gov/what-mitigation) to reduce flood risk damage.



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(<https://www.oig.dhs.gov/hotline>)

 Official website of the Department of Homeland Security

Appendix E

Form C-141

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	nAPP2103256332
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 # (assigned by OCD)
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.55388 Longitude -104.54824
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal FC Com #2H	Site Type Oil Well
Date Release Discovered 01/29/2021	API# (if applicable) 30-015-26907

Unit Letter	Section	Township	Range	County
M	24	20S	24E	Eddy

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 15	Volume Recovered (bbls) 8
☒ Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A poly to steel transition separated due to pressure, causing the release of crude oil and produced water.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2103256332
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ 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

☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ 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 II</u>
Signature: <u></u>	Date: <u>02/01/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2103256332
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	268 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2103256332
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase SettleTitle: Rep Safety & Environmental SrSignature: Chase SettleDate: 04/29/2021email: Chase_Settle@eogresources.comTelephone: 575-748-1471**OCD Only**

Received by: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2103256332
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Chase Settle

Title: Rep Safety & Environmental Sr

Signature: 

Date: 04/29/2021

email: Chase_Settle@eogresources.com

Telephone: 575-748-1471

OCD Only

Received by: Chad Hensley

Date: 05/28/2021

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

Signature: 

Date: 05/28/2021

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

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: _____ Date: _____

Printed Name: _____ Title: _____

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 26175

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 26175
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater.	5/28/2021
chensley	The spill hasn't been vertically delineated. The OCD requests that samples be taken to a depth that contamination amounts are under the limit. Samples V-31,32,33,34,44,45,46,&49 are above acceptable limits per 19.15.29.13. Please include in your closure report vertical samples showing acceptable limits for the above samples in question.	5/28/2021