

August 15, 2022

District II New Mexico Oil Conservation Division 811 S. First Street Artesia, New Mexico 88210

Re: Remediation Work Plan Federal FC Com #2H Tank Battery Incident Number NAPP2213935679 Eddy County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum) on behalf of EOG Resources, Inc. (EOG), has prepared this Remediation Work Plan to document site assessment activities performed to date and propose a work plan to address the impacted soil identified at the Federal FC Com #2H Tank Battery (Site). The purpose of the site assessment, excavation, and soil sampling activities was to address unknown historical impacts to soil at the Site, which were discovered during the decommissioning process.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site (Figure 1) is located in Unit M, Section 24, Township 20 South, Range 24 East, in Eddy County, New Mexico (32.5538864° N, 104.5482407°W) and is associated with oil and gas exploration and production operations on land under the stewardship of the Bureau of Land Management (BLM).

On May 18, 2022, historical impacts were discovered during decommissioning of aboveground storage tanks at the Site. An unknown quantity of crude oil and produced water appears to have been released to the facility well pad based on observations of soil staining and preliminary sampling results. EOG reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on May 19, 2022. The release was assigned Incident Number NAPP2213935679.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 323341104330401, located approximately 0.49 miles northwest of the Site. The groundwater well has a reported depth to groundwater of 236 feet bgs and a total depth of 272 feet bgs. Ground surface elevation at the groundwater well location is 3,621 feet above mean sea level (amsl), which is approximately 19 feet lower in elevation than the Site. All wells used for

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 601 North Marienfield Suite 400 | Midland, TX 78209 | ensolum.com Texas PG Firm No. 50588 | Texas PE Firm No. F-21843 depth to groundwater determination are presented on Figure 1. The referenced well records are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 575 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On May 16, 2022, Ensolum personnel completed a Site visit to evaluate the historical release extent, which was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix B.

Delineation activities were conducted to assess the vertical extent of impacted soil. Boreholes BH01 through BH03 were advanced via hand auger within the historical release extent on pad. The delineation boreholes were advanced to a maximum depth of 1 foot bgs before encountering auger refusal. Discrete delineation soil samples were collected from each borehole at depths of 0.5 feet bgs and from 1 foot bgs in BH01 and BH03. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. Field screening results and observations for the borehole were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Field screening and laboratory analytical results from the borehole samples indicated excavation of impacted soil was warranted. Ensolum personnel oversaw the preliminary excavation of impacted soil beginning May 31, 2022; however, field screening results from composite excavation confirmation samples, suggested additional excavation was necessary. As such, on June 22, 2022 and July 19, 2022, Ensolum personnel conducted supplemental delineation activities to determine the vertical extent of impacted soil. Potholes PH01 and PH02 were advanced via track-mounted backhoe within the historical release extent to a maximum depth of 20 feet bgs. Discrete soil samples were collected from each pothole at depths ranging from 7 feet bgs to 20 feet bgs based on field screening results with the goal

Federal FC Com #2H Battery

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of identifying the terminal extent of impacted soil. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated PID and Hach[®] chloride QuanTab[®] test strips, respectively. Field screening results and lithologic observations are included in Appendix C. The delineation soil samples were handled and analyzed as described above. The delineation soil sample locations are depicted on Figure 2.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples indicated chloride was not detected at concentrations exceeding 600 mg/kg. No benzene was detected in any soil sample and BTEX was only detected in the sample from PH02 collected at 18 feet bgs at a minimal concentration of 0.870 mg/kg. Soil samples collected from near surface and 1-foot bgs in BH01 did not contain detectable concentrations of TPH or chloride. Concentrations of TPH exceeding 100 mg/kg were identified in soil samples collected from near ground surface in BH02 and BH03. Subsurface samples collected from potholes indicated the elevated TPH concentrations in soil extended 14 feet bgs in PH01 and 18 feet bgs in PH02. Delineation potholes PH01 and PH02 each contained terminal samples in compliance with the Closure Criteria providing vertical delineation of the hydrocarbon impacts. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix D.

PROPOSED REMEDIATION WORK PLAN

Ensolum, on behalf of EOG, proposes to continue excavating TPH-impacted soil to below the established Site Closure Criteria of 100 mg/kg. Based on the delineation soil sample analytical results and the area of the release extent, an estimated 4,000 cubic yards of impacted soil will be excavated from the well pad and transported for disposal at a permitted landfarm. Depth of the excavation is expected to range from 14 feet to 18 feet bgs. Once field screening results indicate impacted soil has been removed, confirmation samples will be collected at least every 200 square feet from the floor and sidewalls of the excavation. The samples will be analyzed for TPH only since delineation soil sample results document concentrations of TPH less than 100 mg/kg, a closure report will be submitted to NMOCD requesting site closure. The excavation will be backfilled with locally procured material and recontoured to match Site conditions.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, Ensolum, LLC

Mouissey

Tacoma Morrissey Senior Geologist

cc: Chase Settle, EOG Amber Griffin, EOG Bureau of Land Management

Ashley L. ager

Ashley Ager Program Director, M.S., P.G.

Federal FC Com #2H Battery

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Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	NMOCD Notifications
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Notifications
Appendix F	Form C-141

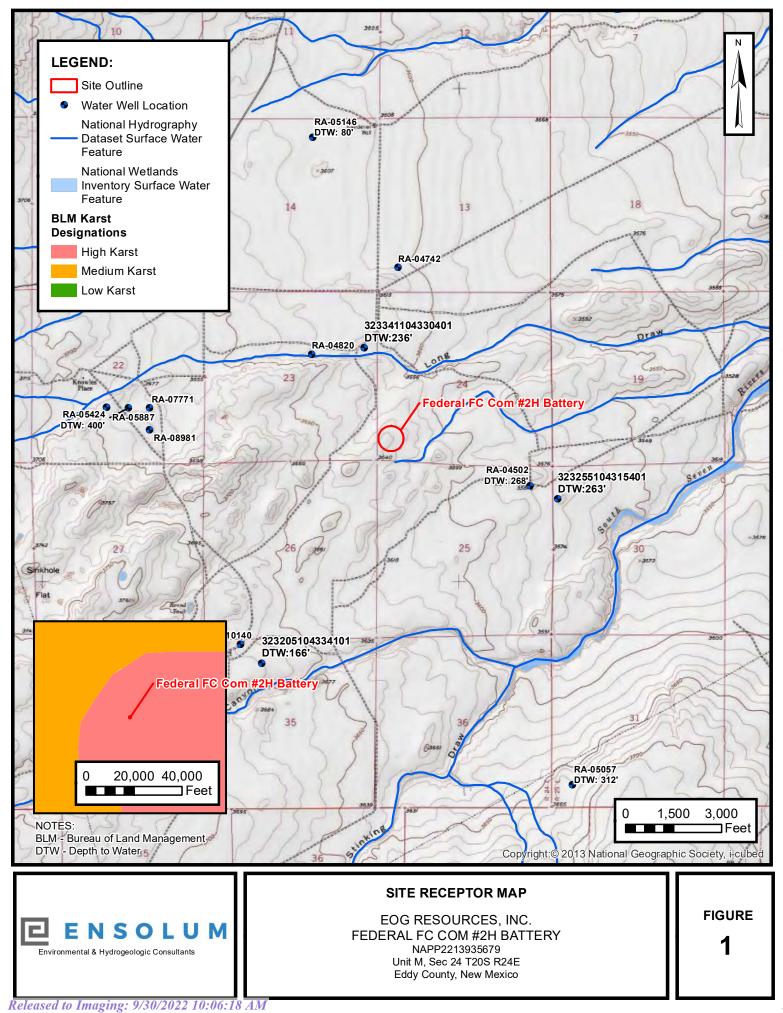
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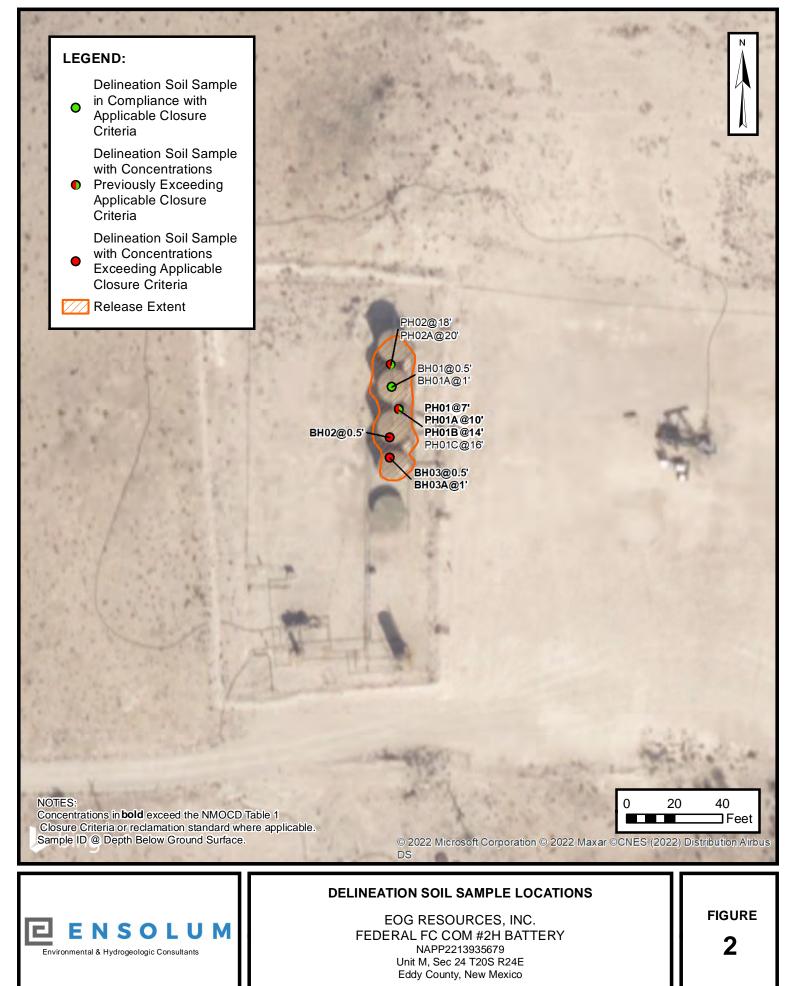


FIGURES

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TABLES

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	TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Federal FC Com #2H Battery EOG Resources, Inc. Eddy County, New Mexico												
Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)			
NMOCD Table	1 Closure Crit 19.15.29)	eria (NMAC	10	50	NE	NE	NE	NE	100	600			
				Delin	eation Soil Sa	mples							
BH01	05/16/2022	0.5	<0.0240	<0.100	<4.80	<9.70	<48.0	<9.70	<48.0	<60.0			
BH01A	05/16/2022	1	<0.0250	<0.100	<5.00	<9.60	<48.0	<9.60	<48.0	<60.0			
BH02	05/16/2022	0.5	<0.120	<0.500	<25.0	8,300	9,700	8,300	18,000	190			
BH03	05/16/2022	0.5	<0.0240	<0.100	<4.80	1,700	2,300	1,700	4,000	<60.0			
BH03A	05/16/2022	1	<0.0250	<0.100	<5.00	480	1,100	480	1,600	<60.0			
PH01	06/22/2022	7	<0.120	<0.490	31.0	3,000	1,400	3,100	4,500	<60.0			
PH01A	06/22/2022	10	<0.120	<0.470	<24.0	2,500	1,100	2,500	3,600	<60.0			
PH01B	06/22/2022	14	<0.0240	<0.0900	<4.70	66.0	50.0	66.0	120	<60.0			
PH01C	06/22/2022	16	<0.0240	<0.0900	<4.70	<15.0	<49.0	<15.0	<49.0	<60.0			
PH02	07/19/2022	18	<0.120	0.870	<24.0	1,400	750	1,400	2,200	<60.0			
PH02A	07/19/2022	20	<0.0230	<0.0900	<4.60	40.0	<48.0	40.0	40.0	<60.0			

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram NMOCD: New Mexico Oil Conservation Division BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable. GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon Text indicates soil was excavated



APPENDIX A

Referenced Well Records



USGS Water Resources

USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

Data Category:	Geographic Area:		
Groundwater 🗸	United States	~	GO

Click to hideNews Bulletins

- Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

• 323341104330401

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 323341104330401 20S.24E.23.21444

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°33'41", Longitude 104°33'04" NAD27

Land-surface elevation 3,617 feet above NAVD88

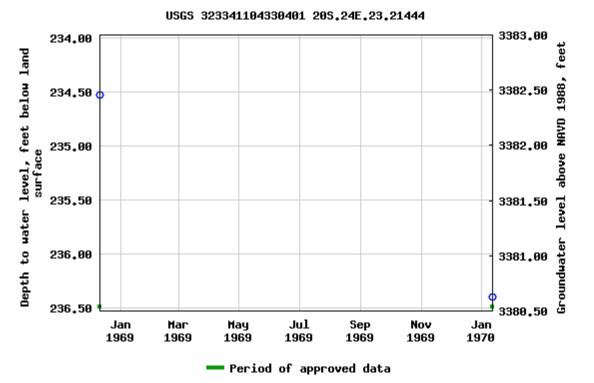
The depth of the well is 272 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-05-16 11:00:33 EDT 0.58 0.51 nadww01



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 04820	3 2 23 208 24E	541596 3602701*
The second secon	ense:	Driller Company:	
Driller Nai	me:		
Drill Start	Date:	Drill Finish Date:	Plug Date:
Log File D	ate:	PCW Rcv Date:	Source:
Pump Type	e:	Pipe Discharge Size:	Estimated Yield:
Casing Size	e:	Depth Well:	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.

5/16/22 9:09 AM

POINT OF DIVERSION SUMMARY



APPENDIX B

Photographic Log





APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: BH01	Date: 5/16/22
10					•			Site Name: Federal FC Com #2H	Date: 5/10/22
111			N	S	OL			Incident Number: nAPP22139356	579
								Job Number: 03C2000006	
			061		SAMPLING	106		Logged By: Gilbert Moreno	Method: Hand Auger
Coor	dinates:	32.5538, -		-		100		Hole Diameter: 4"	Total Depth: 1'
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respec	
								factors included.	
Moisture	Chloride Chl					-	USCS/Rock Symbol	Lithologic De	scriptions
	<168 <168	1.5 1.5	N N	BH01 BH01A	0.5' 1'	L 0.5' 1'		SW with gravel, brown, fine CCHE, tan, silty, fine-course	e-course
						- - -			
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								Sample Name: BH02	Date: 5/16/22
								Site Name: Federal FC Com #2H	Dute: 3/ 10/22
				5	OL			Incident Number: nAPP22139356	79
								Job Number: 03C2000006	, ,
		LITHO	OGI		SAMPLING	LOG		Logged By: Gilbert Moreno	Method: Hand Auger
Coord	dinates: 3							Hole Diameter: 4"	Total Depth: 0.5'
					ith HACH Ch	loride Test S	Strips and	PID for chloride and vapor, respect	
								factors included.	
Moisture	Chloride (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (ppm) (tp					-	USCS/Rock Symbol	Lithologic De	scriptions
	201.6	43.7	Y	BH02	0.5'	L 0.5' 1'		SW with gravel, L. brown, fi	ne-course
					-	-			
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									Sample Name: BH03	Date: 5/16/22		
					C				Site Name: Federal FC Com #2H			
111	h				5	OL	. U		Incident Number: nAPP22139356	79		
									Job Number: 03C2000006			
			LITHOL	OGI	c / soil s	AMPLING	LOG		Logged By: Gilbert Moreno	Method: Hand Auger		
Соо	ordii	nates: 32	2.5538, -1	L04.54	482				Hole Diameter: 4"	Total Depth: 1'		
									PID for chloride and vapor, respect factors included.	ively. Chloride test		
pen		neu witi	1 1.4 unu			i to distilled	water. No co					
Moisture	Content	Chloride (ppm)	Opuil Vapor Vapor Vapor Vapor					USCS/Rock Symbol	Lithologic Des	scriptions		
		<168 <168	0.7 10.7	Y Y	BH03 BH03A	0.5' 1'	0.5' 1'		SW with gravel, L. brown, fine-course SW with gravel, L. brown, fine-course			
						+ + + +	- - - -					
						ء بـ بـ	• • •					
						+	- - -					
						+ + + +	-					
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						- - -	-					
						+	- - -					
						+ +	_					

0.0								Sample Name: PH01	Date: 6/22/22	
LE.								Site Name: Federal FC Com #2H		
н.				3	OL			Incident Number: nAPP22139356	79	
								Job Number: 03C2000006		
		LITHOL	OGI		SAMPLING	LOG		Logged By: Kase Parker	Method: Excavator	
Соо	rdinates: 3	2.5538, -:	L04.5	482				Hole Diameter: ~4'	Total Depth: 16'	
			-					PID for chloride and vapor, respect	ively. Chloride test	
per	formed wit	h 1:4 dilu	tion f	actor of soi	l to distilled	water. No c	orrection	factors included.		
Moisture	Chloride Chloride (ppm) Vapor Vapor Vapor Vapor Vapor Vapor (ppm) Debty (t pås) Debty USCS/Rock				•	USCS/Rock Symbol	Lithologic Descriptions			
	ND ND ND ND ND	206 53 204 498 251 114 5.7	YNYY Y Y	PH01 PH01A PH01B PH01C	1 7' 9' 10' 12' 14' 16' 16'			Silty, well graded sand Well graded sand Well graded sand Well graded sand Well graded sand Silty, well graded sand		

									Sample Name: PH02	Date: 6/22/22
١ľ			_		C				Site Name: Federal FC Com #2H	
ш			-		Э	OL	. U		Incident Number: nAPP22139356	79
									Job Number: 03C2000006	
			LITHOL	OGI		SAMPLING	LOG		Logged By: Kase Parker	Method: Excavator
Co	ordi		2.5538, -1						Hole Diameter: ~4'	Total Depth: 22'
				-					PID for chloride and vapor, respect	ively. Chloride test
per	rfor	med with	n 1:4 dilut	tion f	actor of soi	l to distilled	water. No co	orrection	factors included.	
Moisture	Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
		ND	>5,000	Y			L 16'		Well graded sand	
		ND	2,436		PH02	18'	18'		Silty, brown, fine sand	
		ND	364	Ν	PH02A	20'	20'		Silty, brown, fine sand	
		ND	16.8	Ν		22'	22'		Silty, brown, fine sand	
						-	-			
						-	-			
						-	-			
						-	-			
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APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



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

May 27, 2022

Tacoma Morrissey EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX:

RE: Federal FC Com 2H Tank Battery

OrderNo.: 2205808

Dear Tacoma Morrissey:

Hall Environmental Analysis Laboratory received 5 sample(s) on 5/18/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Analytical Report Lab Order 2205808

Hall Environmental Analysis Laboratory, Inc.

Federal FC Com 2H Tank Battery

Date Reported: 5/27/2022

Client Sample ID: BH01 0.5' Collection Date: 5/16/2022 9:30:00 AM Received Date: 5/18/2022 8:27:00 AM

Lab ID: 2205808-001	Matrix: SC	DIL	Received Da	te: 5/	18/2022 8:27:00 AM	
Analyses	Resu	lt RI	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: AI	NIONS				Analyst	: NAI
Chloride	Ν	ID 6	0 mg/Kg	20	5/20/2022 4:50:27 PM	67596
EPA METHOD 8015M/D	: DIESEL RANGE ORGANICS				Analyst	: SB
Diesel Range Organics (DF	RO) N	ID 9.	7 mg/Kg	1	5/23/2022 2:45:53 PM	67548
Motor Oil Range Organics ((MRO) N	ID 4	8 mg/Kg	1	5/23/2022 2:45:53 PM	67548
Surr: DNOP	10	51.1-14	1 %Rec	1	5/23/2022 2:45:53 PM	67548
EPA METHOD 8015D: G	ASOLINE RANGE				Analyst	BRM
Gasoline Range Organics (GRO) N	ID 4.	8 mg/Kg	1	5/20/2022 3:21:00 AM	67545
Surr: BFB	89	.1 37.7-21	2 %Rec	1	5/20/2022 3:21:00 AM	67545
EPA METHOD 8021B: V	OLATILES				Analyst	: BRM
Benzene	Ν	ID 0.02	4 mg/Kg	1	5/20/2022 3:21:00 AM	67545
Toluene	Ν	ID 0.04	8 mg/Kg	1	5/20/2022 3:21:00 AM	67545
Ethylbenzene	Ν	ID 0.04	8 mg/Kg	1	5/20/2022 3:21:00 AM	67545
Xylenes, Total	Ν	ID 0.09	6 mg/Kg	1	5/20/2022 3:21:00 AM	67545
Surr: 4-Bromofluorobenz	ene 90	0.2 70-13	0 %Rec	1	5/20/2022 3:21:00 AM	67545

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 9

Analytical Report Lab Order 2205808

Hall Environmental Analysis Laboratory, Inc.

Project: Federal FC Com 2H Tank Battery

Date Reported: 5/27/2022 Client Sample ID: BH01 1' Collection Date: 5/16/2022 9:35:00 AM

Lab ID: 2205808-002	Matrix: SOIL	R	Received Date: 5/18/2022 8:27:00 AM						
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: CAS			
Chloride	ND	60	mg/Kg	20	5/23/2022 1:56:50 PM	67621			
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	: SB			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	5/23/2022 2:56:44 PM	67548			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/23/2022 2:56:44 PM	67548			
Surr: DNOP	98.6	51.1-141	%Rec	1	5/23/2022 2:56:44 PM	67548			
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	BRM			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/20/2022 3:41:00 AM	67545			
Surr: BFB	90.6	37.7-212	%Rec	1	5/20/2022 3:41:00 AM	67545			
EPA METHOD 8021B: VOLATILES					Analyst	: BRM			
Benzene	ND	0.025	mg/Kg	1	5/20/2022 3:41:00 AM	67545			
Toluene	ND	0.050	mg/Kg	1	5/20/2022 3:41:00 AM	67545			
Ethylbenzene	ND	0.050	mg/Kg	1	5/20/2022 3:41:00 AM	67545			
Xylenes, Total	ND	0.099	mg/Kg	1	5/20/2022 3:41:00 AM	67545			
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	5/20/2022 3:41:00 AM	67545			

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 9

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Project: Federal FC Com 2H Tank Battery

Lab Order 2205808

Date Reported: 5/27/2022

Client Sample ID: BH02 0.5' Collection Date: 5/16/2022 9:40:00 AM Received Date: 5/18/2022 8:27:00 AM

Lab ID: 2205808-003	Matrix: SOIL		Received Date: 5/18/2022 8:27:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS						Analys	t: CAS			
Chloride	190	60		mg/Kg	20	5/23/2022 2:09:15 PM	67621			
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS					Analys	t: SB			
Diesel Range Organics (DRO)	8300	500		mg/Kg	50	5/23/2022 4:33:35 PM	67548			
Motor Oil Range Organics (MRO)	9700	2500		mg/Kg	50	5/23/2022 4:33:35 PM	67548			
Surr: DNOP	0	51.1-141	S	%Rec	50	5/23/2022 4:33:35 PM	67548			
EPA METHOD 8015D: GASOLINE RA	NGE					Analys	t: BRM			
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/20/2022 4:00:00 AM	67545			
Surr: BFB	95.8	37.7-212		%Rec	5	5/20/2022 4:00:00 AM	67545			
EPA METHOD 8021B: VOLATILES						Analys	t: BRM			
Benzene	ND	0.12		mg/Kg	5	5/20/2022 4:00:00 AM	67545			
Toluene	ND	0.25		mg/Kg	5	5/20/2022 4:00:00 AM	67545			
Ethylbenzene	ND	0.25		mg/Kg	5	5/20/2022 4:00:00 AM	67545			
Xylenes, Total	ND	0.50		mg/Kg	5	5/20/2022 4:00:00 AM	67545			
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	5	5/20/2022 4:00:00 AM	67545			

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 9

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Federal FC Com 2H Tank Battery

Lab Order 2205808

Date Reported: 5/27/2022

Client Sample ID: BH03 0.5' Collection Date: 5/16/2022 9:45:00 AM Received Date: 5/18/2022 8:27:00 AM

Lab ID: 2205808-004	Matrix: SOIL	Received Date: 5/18/2022 8:27:00 AM							
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analys	t: CAS		
Chloride	ND	60		mg/Kg	20	5/23/2022 2:21:39 PM	67621		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	t: SB		
Diesel Range Organics (DRO)	1700	440		mg/Kg	50	5/25/2022 2:22:29 PM	67548		
Motor Oil Range Organics (MRO)	2300	2200		mg/Kg	50	5/25/2022 2:22:29 PM	67548		
Surr: DNOP	0	51.1-141	S	%Rec	50	5/25/2022 2:22:29 PM	67548		
EPA METHOD 8015D: GASOLINE RAI	NGE					Analys	t: BRM		
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/20/2022 4:20:00 AM	67545		
Surr: BFB	85.8	37.7-212		%Rec	1	5/20/2022 4:20:00 AM	67545		
EPA METHOD 8021B: VOLATILES						Analys	t: BRM		
Benzene	ND	0.024		mg/Kg	1	5/20/2022 4:20:00 AM	67545		
Toluene	ND	0.048		mg/Kg	1	5/20/2022 4:20:00 AM	67545		
Ethylbenzene	ND	0.048		mg/Kg	1	5/20/2022 4:20:00 AM	67545		
Xylenes, Total	ND	0.095		mg/Kg	1	5/20/2022 4:20:00 AM	67545		
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	5/20/2022 4:20:00 AM	67545		

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 9

Analytical Report Lab Order 2205808

5/20/2022 4:40:00 AM

Hall Environmental Analysis Laboratory, Inc.

Project: Federal FC Com 2H Tank Battery

Surr: 4-Bromofluorobenzene

Date Reported: 5/27/2022

Client Sample ID: BH03 1' Collection Date: 5/16/2022 9:50:00 AM Pageived Date: 5/18/2022 8:27:00 AM

Lab ID: 2205808-005	5808-005 Matrix: SOIL Received Date: 5/18/2022 8:27:00 A					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	ND	60	mg/Kg	20	5/23/2022 2:34:04 PM	67621
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analys	t: SB
Diesel Range Organics (DRO)	480	100	mg/Kg	10	5/25/2022 2:50:00 PM	67548
Motor Oil Range Organics (MRO)	1100	500	mg/Kg	10	5/25/2022 2:50:00 PM	67548
Surr: DNOP	0	51.1-141	S %Rec	10	5/25/2022 2:50:00 PM	67548
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/20/2022 4:40:00 AM	67545
Surr: BFB	87.5	37.7-212	%Rec	1	5/20/2022 4:40:00 AM	67545
EPA METHOD 8021B: VOLATILES					Analys	t: BRM
Benzene	ND	0.025	mg/Kg	1	5/20/2022 4:40:00 AM	67545
Toluene	ND	0.050	mg/Kg	1	5/20/2022 4:40:00 AM	67545
Ethylbenzene	ND	0.050	mg/Kg	1	5/20/2022 4:40:00 AM	67545
Xylenes, Total	ND	0.099	mg/Kg	1	5/20/2022 4:40:00 AM	67545

88.2

70-130

%Rec

1

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 9

67545

QC SUMMARY REPORT Hall

· ·		tal Analysis Laboratory	y, Inc.	WO#:	2205808 27-May-22
Client: Project:	EOG Feder	al FC Com 2H Tank Battery			
Sample ID:	IB-67596	SampType: mblk	TestCode: EPA Method 300.0: Anions		
Client ID: P	BS	Batch ID: 67596	RunNo: 88190		
Prep Date:	5/20/2022	Analysis Date: 5/20/2022	SeqNo: 3126542 Units: mg/Kg		

Analyte	Result PQL SPK value SPK Ref ND 1.5	Val %REC LowLimit HighLimit %RPD RPDLimit Qual
	SampType: Ics	TestCode: EPA Method 300.0: Anions
Sample ID: LCS-67596		
Client ID: LCSS	Batch ID: 67596	RunNo: 88190
Prep Date: 5/20/2022	Analysis Date: 5/20/2022	SeqNo: 3126543 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref	
Chloride	14 1.5 15.00	0 90.7 90 110
Sample ID: MB-67621	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 67621	RunNo: 88218
Prep Date: 5/23/2022	Analysis Date: 5/23/2022	SeqNo: 3127932 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref	Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5	
Sample ID: LCS-67621	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 67621	RunNo: 88218
Prep Date: 5/23/2022	Analysis Date: 5/23/2022	SeqNo: 3127933 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref	Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00	0 94.6 90 110
Sample ID: MB-67621	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 67621	RunNo: 88201
Prep Date: 5/23/2022	Analysis Date: 5/23/2022	SeqNo: 3128092 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref	Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5	
Sample ID: LCS-67621	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 67621	RunNo: 88201
Prep Date: 5/23/2022	Analysis Date: 5/23/2022	SeqNo: 3128093 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref	Val %REC LowLimit HighLimit %RPD RPDLimit Qual
· · ·	14 1.5 15.00	0 94.9 90 110

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 9

QC SUMMARY REPORT Hall Enviro

Page	30	of	67
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	WO#:	2205808	
conmental Analysis Laboratory, Inc.		27-May-22	

Client: EC	G					
Project: Fee	leral FC Com 2H Tank Battery					
	Comp Trace 1 00					
Sample ID: LCS-67548	SampType: LCS		8015M/D: Diesel Range Organics			
Client ID: LCSS	Batch ID: 67548	RunNo: 88170	11-11- 11			
Prep Date: 5/19/2022	Analysis Date: 5/20/2022	SeqNo: 3126893	Units: mg/Kg			
Analyte		SPK Ref Val %REC LowLimit	•	Qual		
Diesel Range Organics (DRO)			127			
Surr: DNOP	5.0 5.000	101 51.1	141			
Sample ID: MB-67548	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: PBS	Batch ID: 67548	RunNo: 88170				
Prep Date: 5/19/2022	Analysis Date: 5/20/2022	SeqNo: 3126897	Units: mg/Kg			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	Qual		
Diesel Range Organics (DRO)			0			
Motor Oil Range Organics (MF	RO) ND 50					
Surr: DNOP	11 10.00	112 51.1	141			
Sample ID: LCS-67607	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: LCSS	Batch ID: 67607	RunNo: 88200				
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127567	Units: %Rec			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	Qual		
Surr: DNOP	6.4 5.000		141			
Sample ID: MB-67607	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: PBS	Batch ID: 67607	RunNo: 88200				
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127570	Units: %Rec			
	-					
Analyte Surr: DNOP	Result PQL SPK value 13 10.00	SPK Ref Val %REC LowLimit 132 51.1	HighLimit %RPD RPDLimit Q 141	Qual		
	10 10.00	152 51.1	171			
Sample ID: MB-67666	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: PBS	Batch ID: 67666	RunNo: 88263				
Prep Date: 5/24/2022	Analysis Date: 5/26/2022	SeqNo: 3131422	Units: %Rec			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Q	Qual		
Surr: DNOP	10 10.00	101 51.1	141			
Sample ID: LCS-67666	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics			
Client ID: LCSS	Batch ID: 67666	RunNo: 88263	······································			
Prep Date: 5/24/2022	Analysis Date: 5/26/2022	SeqNo: 3131423	Units: %Rec			
Analyte		SPK Ref Val %REC LowLimit		Qual		
				JUH		

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 7 of 9

Released to Imaging: 9/30/2022 10:06:18 AM

OC SUMMARY REPORT Ha _

	WO#:	2205808
Hall Environmental Analysis Laboratory, Inc.		27-May-22

Client: EOG Project: Federal	FC Com 2H Tank Ba	ottory							
	TC COIII 211 Tank Da	attery							
Sample ID: Ics-67545	SampType: LCS		Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	1	
Client ID: LCSS	Batch ID: 6754	5	F	RunNo: 88	3144				
Prep Date: 5/18/2022	Analysis Date: 5/19	/2022	S	SeqNo: 31	24750	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25 5.0	25.00	0	100	72.3	137			
Surr: BFB	1900	1000		191	37.7	212			
Sample ID: mb-67545	SampType: MBL	к	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: PBS	Batch ID: 6754	5	F	RunNo: 88	3144				
Prep Date: 5/18/2022	Analysis Date: 5/19	/2022	S	SeqNo: 31	24752	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	910	1000		90.6	37.7	212			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 8 of 9

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Released to Imaging: 9/30/2022 10:06:18 AM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	
	22

MOU 2205808 27-May-22

Client:

EOG **Project:** Federal FC Com 2H Tank Battery Sample ID: Jos-67545

Sample ID: Ics-67545	SampType: LCS TestCode: EPA Method 8021B: Volatile					les				
Client ID: LCSS	Batc	h ID: 675	545	F	RunNo: 88	3144				
Prep Date: 5/18/2022	Analysis [Analysis Date: 5/19/2022		5	SeqNo: 31	24827	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	0.97	0.050	1.000	0	96.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	70	130			
Sample ID: mb-67545	Samp	Гуре: МВ	LK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 675	545	RunNo: 88144						
Prep Date: 5/18/2022	Analysis [Date: 5/1	19/2022	S	SeqNo: 31	24828	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene										
	ND	0.025								
Toluene	ND ND	0.025 0.050								
Ethylbenzene	ND	0.050								
Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND	0.050 0.050	1.000		89.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 9

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HALL HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com			Page Sample Log-In Check List			
Client Name: EOG	Work Order Number: 2205808			RcptNo: 1			
Received By: Joseph Alderette 5	18/2022 8:27:00 AM		jût				
Completed By: Desiree Dominguez 5	18/2022 10:03:54 AM		TD				
Reviewed By: CMC 5	118/22						
Chain of Custody							
1. Is Chain of Custody complete?	,	Yes 🗸	No 🗌	Not Present 🗌			
2. How was the sample delivered?	<u>(</u>	Courier					
Log In 3. Was an attempt made to cool the samples?	١	∕es ✔	No 🗌				
4. Were all samples received at a temperature of a	>0° C to 6.0°C ∖	∕es ✔	No 🗌				
5. Sample(s) in proper container(s)?	٢	′es 🔽	No 🗌				
6. Sufficient sample volume for indicated test(s)?	Y	es 🗹	No 🗌				
7. Are samples (except VOA and ONG) properly pr	eserved? Y	es 🗸	No 🗌				
8. Was preservative added to bottles?	Y	es 🗌	No 🔽	NA 🗌			
9. Received at least 1 vial with headspace <1/4" for	AQ VOA? Y	es 🗌	No 🗌	NA 🔽	70		
10. Were any sample containers received broken?	Ŷ	′es 🗌	No 🔽	# of preserved	-10/22		
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 	Y	es 🔽	No 🗌	bottles checked for pH: (<2 or >	$\frac{5}{12}$ unless noted)		
2. Are matrices correctly identified on Chain of Cus	tody? Y	es 🗸	No 🗌	Adjusted?			
3. Is it clear what analyses were requested?	Y	es 🔽	No 🗌				
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Y	es 🗸	No 🗌	Checked by:			
Special Handling (if applicable)							
15. Was client notified of all discrepancies with this	order? Y	′es 🗌	No 🗌	NA 🗹			
Person Notified:	Date:						
By Whom:	Via:	eMail 🗌 P	hone 🗌 Fax	In Person			
Regarding: Client Instructions:							
16. Additional remarks:							
17. <u>Cooler Information</u> Cooler No Temp ºC Condition Seal In	ntact Seal No Sea	I Date	Signed By				
1 5.5 Good							

Page 1 of 1

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Turn-Around T Standard Project Name: Tank Battery Project #: INC: NAB1821	Project Manager: Tacoma Morrissey Sampler: Gilbert Mo On Ice: Gilbert Mo On Ice: Gilbert Mo Cooler Temp(metuding CF): 5.5 Container Type Preservat and # e Type	, 2 oz, , 2 oz,	2 oz,			Received by:	UNULIAN Received by: bcontracted to o
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Chain-of-Custody Record Chase Settle, Amber Griffin 3 Address: 105 S. 4th St. Artesia, NM 8821 #: Amber.griffin@eogresources.com		2 N N	9:40 S 9:45 S	<u>о</u>		Reli	Rel ary, se
ain	Time	9:30 9:35	9:40 9:45	9:50		Time:	67:00 If necessi
	VQC Packs VQC Packs Standard ccreditation NELAC EDD (Typ						
Client: Chase Settle, Amber Griffin Mailing Address: 105 S. 4th St. Artesia, M	email or Fax#: QA/QC Package: Candard Accreditation: Candard Accreditation: Candard Accreditation: Candard Accreditation: Candard Accreditation: Candard Accreditation: Candard Accreditation: Candard Accreditation: Candard Accreditation: Candard Candard Accreditation: Candard	5.16.22 5.16.22	5.16.22 5.16.22	5.16.22	400 0 00 	۰ ان	5-17-22 Date: 10/22
0 ≦ 1±		5.1	5.1	5.		Date:	S.

t



July 27, 2022

Tacoma Morrissey EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2207A15

RE: Federal FC Com 2H

Dear Tacoma Morrissey:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/21/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2207A15

Date Reported: 7/27/2022

CLIENT	ENT: EOG Client Sample ID: PH02 @ 18'							
Project:	Federal FC Com 2H	Collection Date: 7/19/2022 10:15:00 AM						
Lab ID:	2207A15-001	Matrix: SOIL Received Date: 7/21/2022 6:55:00 AM						
Analyses	3	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	: JMT
Chloride	•	ND	60		mg/Kg	20	7/25/2022 9:33:55 PM	69047
EPA ME	THOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst	JME
Diesel R	ange Organics (DRO)	1400	150		mg/Kg	10	7/22/2022 6:47:40 PM	68975
Motor O	il Range Organics (MRO)	750	480		mg/Kg	10	7/22/2022 6:47:40 PM	68975
Surr:	DNOP	0	21-129	S	%Rec	10	7/22/2022 6:47:40 PM	68975
EPA METHOD 8015D: GASOLINE RANGE		GE					Analyst	: NSB
Gasoline	e Range Organics (GRO)	ND	24		mg/Kg	5	7/22/2022 6:03:42 PM	68966
Surr:	BFB	123	37.7-212		%Rec	5	7/22/2022 6:03:42 PM	68966
EPA METHOD 8021B: VOLATILES							Analyst	: NSB
Benzene	e	ND	0.12		mg/Kg	5	7/22/2022 6:03:42 PM	68966
Toluene		ND	0.24		mg/Kg	5	7/22/2022 6:03:42 PM	68966
Ethylber	nzene	0.27	0.24		mg/Kg	5	7/22/2022 6:03:42 PM	68966
Xylenes	, Total	0.60	0.48		mg/Kg	5	7/22/2022 6:03:42 PM	68966
Surr:	4-Bromofluorobenzene	109	70-130		%Rec	5	7/22/2022 6:03:42 PM	68966

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 6

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2207A15

Date Reported: 7/27/2022

CLIENT: EOG		Cli	ient Sample II	D: PH	H02A @ 20'	
Project: Federal FC Com 2H		(Collection Dat	e: 7/1	9/2022 10:20:00 AM	
Lab ID: 2207A15-002	Matrix: SOIL	21/2022 6:55:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	7/25/2022 9:46:19 PM	69047
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: JME
Diesel Range Organics (DRO)	40	14	mg/Kg	1	7/22/2022 1:32:26 PM	68975
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/22/2022 1:32:26 PM	68975
Surr: DNOP	86.3	21-129	%Rec	1	7/22/2022 1:32:26 PM	68975
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/22/2022 7:15:36 PM	68966
Surr: BFB	93.5	37.7-212	%Rec	1	7/22/2022 7:15:36 PM	68966
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.023	mg/Kg	1	7/22/2022 7:15:36 PM	68966
Toluene	ND	0.046	mg/Kg	1	7/22/2022 7:15:36 PM	68966
Ethylbenzene	ND	0.046	mg/Kg	1	7/22/2022 7:15:36 PM	68966
Xylenes, Total	ND	0.092	mg/Kg	1	7/22/2022 7:15:36 PM	68966
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	7/22/2022 7:15:36 PM	68966

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Client: Project:	EOG Federal I	FC Com 2H									
Sample ID:	MB-69047	SampType	: mblk		Tes	tCode: EF					
Client ID:	PBS	Batch ID:	69047		F	RunNo: 8 9	9782				
Prep Date:	7/25/2022	Analysis Date:	7/25/202	2	S	SeqNo: 31	197101	Units: mg/K	g		
Analyte		Result P	QL SPK	value SPK	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-69047	SampType	: Ics		Tes	tCode: EF	PA Method	300.0: Anion	S		
Client ID:	LCSS	Batch ID	69047		F	RunNo: 8 9	9782				
Prep Date:	7/25/2022	Analysis Date:	7/25/202	2	S	SeqNo: 31	197102	Units: mg/K	g		
Analyte		Result P	QL SPK	value SPK	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 1	5.00	0	91.5	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2207A15

27-Jul-22

WO#:

Page	39	of 67	
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C	Hall Environmental Analysis Laboratory, Inc.												
	OG ederal FC Com 2H												
Sample ID: MB-6897	SampType: MBLK TestCode: EPA M	ethod 8015M/D: Diesel Range Organics											
Client ID: PBS	Batch ID: 68975 RunNo: 89747												
Prep Date: 7/21/202	2 Analysis Date: 7/22/2022 SeqNo: 319578	80 Units: mg/Kg											
Analyte	Result PQL SPK value SPK Ref Val %REC Low	vLimit HighLimit %RPD RPDLimit Qual											
Diesel Range Organics (DR	D) ND 15												

Motor Oil Range Organics (MRO) Surr: DNOP	ND 8.3	50	10.00		82.6	21	129			
Sample ID: LCS-68975	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics				
Client ID: LCSS	Batcl	n ID: 68	975	F	RunNo: 8	9747				
Prep Date: 7/21/2022	Analysis D	ate: 7/	22/2022	S	SeqNo: 3195781		Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51 15 50.00		0	0 102 64.4		64.4 127				
Surr: DNOP	5.4		5.000		108	21	129			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

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EOG

Client:

	WO#:	2207A15
Hall Environmental Analysis Laboratory, Inc.		27-Jul-22

Project: Federal	FC Com 2H	I									
Sample ID: mb-68966	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e		
Client ID: PBS	Batch	n ID: 68	966	F	RunNo: 8	9719					
Prep Date: 7/21/2022	Analysis Date: 7/22/2022 SeqNo: 3194996 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	940		1000		93.9	37.7	212				
Sample ID: Ics-68966	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e		
Client ID: LCSS	Batch	n ID: 68	966	F	RunNo: 8	9719					
Prep Date: 7/21/2022	Analysis D	Date: 7/	22/2022	5	SeqNo: 3	194997	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.5	72.3	137				
Surr: BFB	1800		1000		175	37.7	212				

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 9/30/2022 10:06:18 AM

QC SUMMARY REPORT Η

L.	Hall Environmental Analysis Laboratory, Inc.									
Hall Env	fronmental Analysis Laboratory, Inc.		27-Jul-22							
Client:	EOG									

Project: Federal	l FC Com 2F	ł								
Sample ID: mb-68966	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batcl	n ID: 689	966	F	RunNo: 8	9719				
Prep Date: 7/21/2022	Analysis D	Date: 7/2	22/2022	S	SeqNo: 3	195069	Units: mg/K	٢g		
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								
	1.1 1.000 107 70 130									
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			
Surr: 4-Bromofluorobenzene Sample ID: LCS-68966		ype: LC		Tes	-		130 8021B: Volat	tiles		
	SampT	-ype: LC n ID: 68 9	s		-	PA Method		tiles		
Sample ID: LCS-68966	SampT	n ID: 689	S 966	F	tCode: El	PA Method 9719				
Sample ID: LCS-68966 Client ID: LCSS	SampT Batcl	n ID: 689	S 966 22/2022	F	tCode: El	PA Method 9719	8021B: Volat		RPDLimit	Qual
Sample ID: LCS-68966 Client ID: LCSS Prep Date: 7/21/2022 Analyte	SampT Batcl Analysis D	n ID: 689 Date: 7/2	S 966 22/2022	F	tCode: El RunNo: 89 SeqNo: 3	PA Method 9719 195070	8021B: Volat	ζg	RPDLimit	Qual
Sample ID: LCS-68966 Client ID: LCSS Prep Date: 7/21/2022 Analyte Benzene	SampT Batcl Analysis E Result	n ID: 689 Date: 7/2 PQL	S 966 22/2022 SPK value	F S SPK Ref Val	tCode: El RunNo: 89 SeqNo: 3 %REC	PA Method 9719 195070 LowLimit	8021B: Volat Units: mg/K HighLimit	ζg	RPDLimit	Qual
Sample ID: LCS-68966 Client ID: LCSS Prep Date: 7/21/2022 Analyte Benzene Toluene	SampT Batcl Analysis D Result 0.95	n ID: 689 Date: 7/2 PQL 0.025	S 966 22/2022 SPK value 1.000	F S SPK Ref Val 0	tCode: El RunNo: 8 SeqNo: 3 %REC 95.2	PA Method 9719 195070 LowLimit 80	8021B: Volat Units: mg/K HighLimit 120	ζg	RPDLimit	Qual
Sample ID: LCS-68966 Client ID: LCSS Prep Date: 7/21/2022	SampT Batcl Analysis E Result 0.95 1.0	Date: 7/2 PQL 0.025 0.050	S 966 22/2022 SPK value 1.000 1.000	F S SPK Ref Val 0 0	tCode: El RunNo: 89 SeqNo: 3 %REC 95.2 99.8	PA Method 9719 195070 LowLimit 80 80	8021B: Volat Units: mg/K HighLimit 120 120	ζg	RPDLimit	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

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Received by	OCD:	8/15/2022	3:31:51 PM
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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	4901 Hawki uquerque, NM FAX: 505-345	ins NE 87109 Sam 5-4107	ample Log-In Check List						
Client Name: EOG	Work Order Number:	2207A15	RcptNo:	1						
Received By: Juan Rojas	7/21/2022 6:55:00 AM		(lead							
Completed By: Cheyenne Cason	7/21/2022 7:22:04 AM		Chent							
NUG FAI	60									
Chain of Custody										
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present						
2. How was the sample delivered?		<u>Courier</u>								
Log In			_	14 July 14 Jul						
3. Was an attempt made to cool the samples?		Yes 🗹	Νο	NA 🗌						
4. Were all samples received at a temperature of	of ≥0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌						
5. Sample(s) in proper container(s)?		Yes 🗸	No 🗌							
6. Sufficient sample volume for indicated test(s)	?	Yes 🔽	No 🗌							
7. Are samples (except VOA and ONG) properly	preserved?	Yes 🗹	No 🗌							
8. Was preservative added to bottles?		Yes 🗌	No 🔽	NA 🗌						
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes 🗌	No 🗌	NA 🗹						
10. Were any sample containers received broken	?	Yes	No 🗹	# of preserved						
11.Does paperwork match bottle labels?				bottles checked						
(Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH: (<2 or >	12 unless noted)					
12. Are matrices correctly identified on Chain of C	ustody?	Yes 🖌	No 🗌	Adjusted?						
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 🗌	Checked by:	n7/21/22					
				×						
<u>Special Handling (if applicable)</u>		_		_						
15. Was client notified of all discrepancies with the	is order?	Yes 🗋	No 🗌	NA 🗹						
Person Notified:	Date:		and being constanting							
By Whom:	Via:] eMail 🗌	Phone 🗌 Fax	In Person						
Regarding:										
Client Instructions:										
16. Additional remarks:										
	al Intact Seal No So Present	eal Date	Signed By							
L		L								

Page 1 of 1

Rece	eived l	by O	CD:	8/15	5/20.	223	8:31:5	<u>1 P</u>	<u>M</u>							 	 	 		 			Page 4
	AALL ENVIRONMENTAL	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Analysis	os	s '≉Od SMIS	02 ^{5'}	04.7 01.8 7 10 7 10 7 10 7 10 7	-VO 103 103 103	etho y 83 hr, 1 (AO	8081 Pe EDB (M RCRA E 8260 (V 8270 (S Total Cc	×	×	×						Remarks: Amber_Griffin@eogresources.com		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.
			4901	Tel.			The second second			1.12.0249	455.04	08:H9T	×	×	×			 	_		arks: /		llity. Any
						(12	208) s	NB,	۱L /	BE	ΤM	V XƏT8		×	×						Rem)	s possib
Turn-Around Time:	🗹 Standard 🙀 Rush 🕤 NNM	: Federal FC Co		Job#: 03C2000006	Incident #: nAPP2213935679	Project Manager:	Tacoma Morrissey	y lae	Sampler: Kase Parker On Ice: Dives I No	olers: /	Cooler Temp(including CF): 0-8-fo-(Container Preservative HEAL No. Type and # Type	2oz jars	2oz jars	2oz jars						1 0	A POLICY PLAND DATE TIME	cted to other accredited laboratories. This serves as notice of this
Chain-of-Custody Record		Pro	105 S. 4th St. Artesia, NM 88210			Chase_Settle@eogresources.com Prc	41.001	4 (ruii validation)	□ Az Compilance Sar □ Other			Matrix Sample Name Typ	PH02 @ 18'	PH02A @ 20'	S PH02B @ 22' (hold)					0	Jon Sun		samples submitted to Hall Environmental may be subcontract
Chain-	Client: Chase S		Mailing Address:		Phone #:	email or Fax#: Chi	QA/QC Package:			EDD (Type)		Date Time	7/19/2022 10:15 S	7/19/2022 10:20 S	7/19/2022 10:25			 			The I'll and	100/72 1900	If necessary,



July 07, 2022

Tacoma Morrissey EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2206D66

RE: Federal FC Com 2H

Dear Tacoma Morrissey:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/24/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc	Hall	Environmental	Analysis	Laboratory,	Inc.
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Lab Order 2206D66

Date Reported: 7/7/2022

CLIENT:	EOG		Cli	ient Sa	ample II	D: PH	I01 @ 7'	
Project:	Federal FC Com 2H		(Collect	tion Dat	e: 6/2	22/2022 9:05:00 AM	
Lab ID:	2206D66-001	Matrix: SOIL		Recei	ved Dat	e: 6/2	24/2022 8:16:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analys	t: JMT
Chloride		ND	60		mg/Kg	20	6/30/2022 12:58:09 PM	68460
EPA ME	THOD 8015M/D: DIESEL RAN	IGE ORGANICS					Analys	t: TOM
Diesel R	ange Organics (DRO)	3000	150		mg/Kg	10	7/1/2022 2:03:58 AM	68418
Motor Oi	I Range Organics (MRO)	1400	480		mg/Kg	10	7/1/2022 2:03:58 AM	68418
Surr: [DNOP	0	51.1-141	S	%Rec	10	7/1/2022 2:03:58 AM	68418
EPA ME	THOD 8015D: GASOLINE RA	NGE					Analys	t: BRM
Gasoline	Range Organics (GRO)	31	25		mg/Kg	5	6/28/2022 7:49:00 PM	68388
Surr: E	3FB	168	37.7-212		%Rec	5	6/28/2022 7:49:00 PM	68388
EPA ME	THOD 8021B: VOLATILES						Analys	t: BRM
Benzene		ND	0.12		mg/Kg	5	6/28/2022 7:49:00 PM	68388
Toluene		ND	0.25		mg/Kg	5	6/28/2022 7:49:00 PM	68388
Ethylben	zene	ND	0.25		mg/Kg	5	6/28/2022 7:49:00 PM	68388
Xylenes,	Total	ND	0.49		mg/Kg	5	6/28/2022 7:49:00 PM	68388
Surr: 4	1-Bromofluorobenzene	103	70-130		%Rec	5	6/28/2022 7:49:00 PM	68388

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

CLIENT: EOG

Federal FC Com 2H

2206D66-002

Project:

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Ir	alvsis Laboratory, Inc.	A	Environmental	Hall
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Lab Order 2206D66

Date Reported: 7/7/2022

Client Sample ID: PH01A @ 10' Collection Date: 6/22/2022 9:20:00 AM Received Date: 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: JMT
Chloride	ND	60		mg/Kg	20	6/30/2022 1:10:33 PM	68460
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS					Analys	t: TOM
Diesel Range Organics (DRO)	2500	150		mg/Kg	10	7/1/2022 2:17:55 AM	68418
Motor Oil Range Organics (MRO)	1100	490		mg/Kg	10	7/1/2022 2:17:55 AM	68418
Surr: DNOP	0	51.1-141	S	%Rec	10	7/1/2022 2:17:55 AM	68418
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	6/28/2022 8:09:00 PM	68388
Surr: BFB	145	37.7-212		%Rec	5	6/28/2022 8:09:00 PM	68388
EPA METHOD 8021B: VOLATILES						Analys	t: BRM
Benzene	ND	0.12		mg/Kg	5	6/28/2022 8:09:00 PM	68388
Toluene	ND	0.24		mg/Kg	5	6/28/2022 8:09:00 PM	68388
Ethylbenzene	ND	0.24		mg/Kg	5	6/28/2022 8:09:00 PM	68388
Xylenes, Total	ND	0.47		mg/Kg	5	6/28/2022 8:09:00 PM	68388
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	6/28/2022 8:09:00 PM	68388

Matrix: SOIL

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 8

CLIENT: EOG

Federal FC Com 2H

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206D66

Date Reported: 7/7/2022

Client Sample ID: PH01B @ 14' Collection Date: 6/22/2022 9:30:00 AM Received Date: 6/24/2022 8:16:00 AM

Lab ID: 2206D66-003	Matrix: SOIL		Received Dat	e: 6/2	24/2022 8:16:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	6/30/2022 1:22:58 PM	68460
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	66	14	mg/Kg	1	7/1/2022 2:31:53 AM	68418
Motor Oil Range Organics (MRO)	50	46	mg/Kg	1	7/1/2022 2:31:53 AM	68418
Surr: DNOP	90.5	51.1-141	%Rec	1	7/1/2022 2:31:53 AM	68418
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/28/2022 8:29:00 PM	68388
Surr: BFB	89.4	37.7-212	%Rec	1	6/28/2022 8:29:00 PM	68388
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/28/2022 8:29:00 PM	68388
Toluene	ND	0.047	mg/Kg	1	6/28/2022 8:29:00 PM	68388
Ethylbenzene	ND	0.047	mg/Kg	1	6/28/2022 8:29:00 PM	68388
Xylenes, Total	ND	0.095	mg/Kg	1	6/28/2022 8:29:00 PM	68388
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	6/28/2022 8:29:00 PM	68388

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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CLIENT: EOG

Federal FC Com 2H

Project:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206D66

Date Reported: 7/7/2022

Client Sample ID: PH01C @ 16' Collection Date: 6/22/2022 9:35:00 AM Received Date: 6/24/2022 8:16:00 AM

Lab ID: 2206D66-004	Matrix: SOIL]	Received Dat	e: 6/2	24/2022 8:16:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	6/30/2022 1:35:23 PM	68460
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Analyst	: TOM
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/1/2022 2:45:54 AM	68418
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/1/2022 2:45:54 AM	68418
Surr: DNOP	96.4	51.1-141	%Rec	1	7/1/2022 2:45:54 AM	68418
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/28/2022 8:48:00 PM	68388
Surr: BFB	88.2	37.7-212	%Rec	1	6/28/2022 8:48:00 PM	68388
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.024	mg/Kg	1	6/28/2022 8:48:00 PM	68388
Toluene	ND	0.047	mg/Kg	1	6/28/2022 8:48:00 PM	68388
Ethylbenzene	ND	0.047	mg/Kg	1	6/28/2022 8:48:00 PM	68388
Xylenes, Total	ND	0.095	mg/Kg	1	6/28/2022 8:48:00 PM	68388
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	6/28/2022 8:48:00 PM	68388

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Client ID: LCSS

6/29/2022

Prep Date:

Analyte

Chloride

Batch ID: 68460

Analysis Date: 6/30/2022

1.5

15.00

Result 14 2206D66

WO#:

RPDLimit

Qual

%RPD

Hall Er	nvironment	tal Analysis La	ooratory, Inc	•				07-Ju
Client:	EOG	EC Com 211						
Project:	Federal	FC Com 2H						
Sample ID:	MB-68460	SampType: mblk		TestCode: EPA Metho	d 300.0: Anions	6		
Client ID:	PBS	Batch ID: 6846	I	RunNo: 89182				
Prep Date:	6/29/2022	Analysis Date: 6/30	2022	SeqNo: 3170091	Units: mg/K	g		
Analyte		Result PQL	PK value SPK Ref \	/al %REC LowLimi	t HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5						
Sample ID:	LCS-68460	SampType: Ics		TestCode: EPA Metho	d 300.0: Anions	3		

PQL SPK value SPK Ref Val %REC LowLimit

0

RunNo: 89182

91.8

SeqNo: 3170092

Units: mg/Kg

110

HighLimit

90

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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

EOG

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

в	Analy	te de	tecte	20

J

Р Sample pH Not In Range

RL Reporting Limit

ed in the associated Method Blank

Е Estimated value Analyte detected below quantitation limits

Page 6 of 8

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Sample Diluted Due to Matrix
Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

Qualifiers:

*

D

Н

% Recovery outside of range due to dilution or matrix interference S

Page 50 of 67

Project: Federal	FC Com 2H								
Sample ID: MB-68418	SampType: ME	BLK	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics	
Client ID: PBS	Batch ID: 684	418	F	RunNo: 89	9166				
Prep Date: 6/28/2022	Analysis Date: 7/	1/2022	S	SeqNo: 31	69229	Units: mg/Kg	I		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 15								
Notor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	9.4	10.00		94.3	51.1	141			
Sample ID: MB-68456	SampType: ME	BLK	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics	
Client ID: PBS	Batch ID: 684	456	F	RunNo: 89	9166				
Prep Date: 6/29/2022	Analysis Date: 6/	30/2022	S	SeqNo: 31	69231	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4	10.00		93.6	51.1	141			
Sample ID: LCS-68418	SampType: LC	S	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics	
Client ID: LCSS	Batch ID: 684	418	F	RunNo: 89	9166				
Prep Date: 6/28/2022	Analysis Date: 7/	1/2022	S	SeqNo: 31	69232	Units: mg/Kg	I		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40 15	50.00	0	79.9	64.4	127			
Surr: DNOP	4.9	5.000		97.3	51.1	141			
Sample ID: LCS-68456	SampType: LC	S	Tes	tCode: EF	A Method	8015M/D: Dies	el Range	Organics	
Client ID: LCSS	Batch ID: 684	456	F	RunNo: 89	9166				
Prep Date: 6/29/2022	Analysis Date: 6/	30/2022	5	SeqNo: 31	69234	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7	5.000		94.7	51.1	141			

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2206D66
	07-Jul-22

Client: Project:	EOG Federal	FC Com 2H							
Sample ID:	lcs-68381	SampType	LCS	Test	Code: EPA Metho	d 8015D: Gasol	ine Range		
Client ID:	LCSS	Batch ID:	68381	R	unNo: 89080				
Prep Date:	6/27/2022	Analysis Date:	6/28/2022	S	eqNo: 3164760	Units: %Rec	:		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLim	t HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		2000	1000		196 37.	212			
Sample ID:	mb-68381	SampType	BLK	Test	Code: EPA Metho	d 8015D: Gasol	ine Range		
Client ID:	PBS	Batch ID:	68381	R	unNo: 89080				
Prep Date:	6/27/2022	Analysis Date:	6/28/2022	S	eqNo: 3164761	Units: %Rec	:		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC LowLim	t HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		870	1000		87.5 37.	7 212			
Sample ID:	lcs-68388	SampType	LCS	Test	Code: EPA Metho	d 8015D: Gasol	ine Range		
Sample ID:	Ics-68388 LCSS	SampType Batch ID:			Code: EPA Metho unNo: 89080	d 8015D: Gasol	ine Range		
Sample ID:			68388	R		d 8015D: Gasol Units: mg/K	-		
Sample ID: Client ID:	LCSS	Batch ID: Analysis Date:	68388 6/28/2022	R	unNo: 89080	Units: mg/K	-	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte	LCSS	Batch ID: Analysis Date:	68388 6/28/2022	Ri Si	unNo: 89080 eqNo: 3165078	Units: mg/K t HighLimit	g		Qual
Sample ID: Client ID: Prep Date: Analyte	LCSS 6/27/2022	Batch ID: Analysis Date: Result P	: 68388 : 6/28/2022 QL SPK value	Ri Si SPK Ref Val	unNo: 89080 eqNo: 3165078 %REC LowLim	Units: mg/K t HighLimit 3 137	g		Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 6/27/2022	Batch ID: Analysis Date: Result Pr 24	: 68388 : 6/28/2022 QL SPK value 5.0 25.00 1000	Ri Sr SPK Ref Val 0	unNo: 89080 eqNo: 3165078 <u>%REC LowLim</u> 97.2 72.	Units: mg/K t HighLimit 3 137 7 212	g %RPD	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 6/27/2022 ge Organics (GRO)	Batch ID: Analysis Date: Result Pr 24 2000	: 68388 : 6/28/2022 QL SPK value 5.0 25.00 1000 : MBLK	Ri SPK Ref Val 0 Test	unNo: 89080 eqNo: 3165078 <u>%REC LowLim</u> 97.2 72. 195 37.	Units: mg/K t HighLimit 3 137 7 212	g %RPD	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	LCSS 6/27/2022 ge Organics (GRO) MB-68388	Batch ID: Analysis Date: Result Pr 24 2000 SampType	: 68388 : 6/28/2022 QL SPK value 5.0 25.00 1000 :: 68388	Ri SPK Ref Val 0 Testi Ri	unNo: 89080 eqNo: 3165078 <u>%REC LowLim</u> 97.2 72. 195 37. Code: EPA Metho	Units: mg/K t HighLimit 3 137 7 212	g %RPD ine Range	RPDLimit	Qual
Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	LCSS 6/27/2022 Je Organics (GRO) MB-68388 PBS	Batch ID: Analysis Date: Result P 24 2000 SampType Batch ID: Analysis Date:	: 68388 : 6/28/2022 QL SPK value 5.0 25.00 1000 : MBLK : 68388 : 6/28/2022	Ri SPK Ref Val 0 Testi Ri	unNo: 89080 eqNo: 3165078 <u>%REC LowLim</u> 97.2 72. 195 37. Code: EPA Metho unNo: 89080	Units: mg/K t HighLimit 3 137 7 212 d 8015D: Gasol Units: mg/K	g %RPD ine Range	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2206D66

Client:	EOG										
Project:	Federal	FC Com 2H									
Sample ID:	lcs-68381	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch	ID: 683	381	F	RunNo: 8 9	9080				
Prep Date:	6/27/2022	Analysis D	ate: 6/2	28/2022	S	SeqNo: 3	164770	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bron	nofluorobenzene	0.86		1.000		85.6	70	130			
Sample ID:	mb-68381	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID:	PBS	Batch	ID: 68	381	F	RunNo: 8 9	9080				
Prep Date:	6/27/2022	Analysis D	ate: 6/2	28/2022	S	SeqNo: 3	164771	Units: %Red	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bron	nofluorobenzene	0.85		1.000		85.2	70	130			
Sample ID:	LCS-68388	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batch	ID: 68	388	F	RunNo: 8 9	9080				
Prep Date:	6/27/2022	Analysis D	ate: 6/	28/2022	S	SeqNo: 3	165120	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.91	0.025	1.000	0	90.6	80	120			
Toluene		0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene		0.91	0.050	1.000	0	91.4	80	120			
Xylenes, Total		2.7	0.10	3.000	0	90.2	80	120			
Surr: 4-Bron	nofluorobenzene	0.87		1.000		86.9	70	130			
Sample ID:	MB-68388	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID:	PBS	Batch	ID: 68:	388	F	RunNo: 8	9080				
Prep Date:	6/27/2022	Analysis D	ate: 6/	28/2022	S	SeqNo: 3	165152	Units: mg/K	g		
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-Bron	nofluorobenzene	0.84		1.000		84.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

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Page	53	of	67

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Received by OCD: 8/15/2022 3:31:51 PM	
HALL	Hall Environmental Analysis Laboratory
ENVIRONMENTAL	4901 Hawkins NE

ANALYSIS

4901 Hawkins NE Albuquerque, NM 87109 Sample Log-In Check List

LABOR	RATORY				975 FAX: 505-34 hallenvironmen	45-4107		
Client Name:	EOG		Work	Order Numb	er: 2206D66		RcptNo:	1
Received By: Completed By:	Kasandra Sean Livi			22 8:16:00 A		47- S-L	· ,	
		124/22	0/2 1/20	22 0.10.107		Dr-L.	-Joh-	
Chain of Cust	tody							
1. Is Chain of Cu	istody comp	lete?			Yes 🖌	No 🗌	Not Present	
2. How was the	sample deliv	vered?			<u>Courier</u>			
Log In 3. Was an attem	nt made to (cool the same	ec?		Yes 🔽	No 🗌		
		soon the samp	C3 !		ies 💌			
4. Were all samp	les received	l at a tempera	ure of >0° C	to 6.0°C	Yes 🔽	No 🗌	NA 🗆	
5. Sample(s) in p	oroper conta	iner(s)?			Yes 🗹	No 🗌		
6. Sufficient samp					Yes 🗹	No 🗌		
7. Are samples (e			perly preserve	ed?	Yes 🗹	No 🗌		
8. Was preservat	ive added to	bottles?			Yes 🗌	No 🔽	NA 🗌	
9. Received at lea	ast 1 vial wit	h headspace	<1/4" for AQ V	/OA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sam	ple containe	ers received b	oken?		Yes 🗌	No 🔽	# of preserved	
11. Does paperwoi (Note discrepa					Yes 🗹	No 🗌	bottles checked for pH:	>12 unless noted)
12. Are matrices co		• •			Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what	analyses we	ere requested	?		Yes 🔽	No 🗌		
14. Were all holdin (If no, notify cu					Yes 🗹	No 🗌	Checked by	m Col24/m
Special Handli	ng (if app	olicable)						
15. Was client not	ified of all di	screpancies v	vith this order?	2	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	<u> </u>		Date:		and the second secon		
By Whor	n:			Via:	eMail	Phone 🗌 Fax	In Person	
Regardir	ng:							
Client In	structions:							
16. Additional rem	narks:							
17. <u>Cooler Inform</u>	1	1	4756					
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By	none of the second s	
2	0.8 2.0	Good Good						
4	2.0	3000					Processor of the second s	

Page 1 of 1

FC Com #2H er PC Com #2H PC	OCD:		15/20		3:3	31:5	51 P	M			5	۲ <u>۲</u>		,	Ø	6	0		1	-1	- Î	, ,	>		Ð	0	1-11	I	2	Pa	ge 54 oj
MB8210 Project Name: Federal FC Com #2H www.hallenvironme M88210 Project Name: Federal FC Com #2H www.hallenvironme M88210 Project Name: Federal FC Com #2H www.hallenvironme M88210 Project Manager: AnaLYSIS Project Manager: Tacoma Morrissey Tacoma Morrissey Tacoma Morrissey Project Manager: Cooleft Tempusuance 2.77.2.0.4 Tel. 505-345-3975 Fax 65 On Ice: El Yes IN 5.4. c(truler Tel. 505-345-3975 Fax 65 On Ice: El Yes IN 5.4. c(truler Tel. 505-345-3975 Fax 65 On Ice: El Yes IN 5.4. c(truler Analysis R Analysis R On Ice: El Yes In 6.5. c(truler Analysis R Analysis R Image: Cooleft Tempusuance Image: Analysis R Analysis R Image: Cooleft Tempusuance Image: Analysis R Analysis R Image: Image: Image: Image: Analysis R Image: Image: Image: Analysis R	man	ate;											1	125/2022	124/2022	128/2022	122/2022				EDD		porodit.	□ Stanc	AVQC P	mail or	hone #		/ailing /		Client:
MB8210 Project Name: Federal FC Com #2H www.hallenvironme M88210 Project Name: Federal FC Com #2H www.hallenvironme M88210 Project Manager: Anapysis Project Manager: Tacoma Morrissey Tacoma Morrissey Project Manager: Tacoma Morrissey Tacoma Morrissey On Ice: E/Yes Imourissey Gooler Tempiesaweren: Imourissey Tacoma Morrissey On Ice: E/Yes Imourissey Cooler Tempiesaweren: Imourissey Anapysis R Op Ice: E/Yes Imourissey Cooler Tempiesaweren: Imourissey Anapysis R Imourissey Imourissey Imourissey Cooler Tempiesaweren: Imourissey Anapysis R Imourissey Imourissey Imourissey Imo	6100	Time:	2	Time:									Y	9:35	9:30	9:20	9:05	Time		(-) Joc/ -	(Tyne)	C auon.	otion.	lard	ackage:	Fax#: S			Address		Chase
ANALYSIS ANALYSIS Project Name: Federal FC Com #2H www.hallenvironme M88210 Project Name: Federal FC Com #2H www.hallenvironme M88210 Project Manager: norissey Project Manager: Tacoma Morrissey Tacoma Morrissey Project Manager: Cooler Tempiesawers: 0.00 st. c(tx)(tr. Analysis R On Ice: D'Yes D'N S. c(tx)(tr. Analysis R On Ice: D'Yes D'N S. c(tx)(tr. Analysis R On Ice: D'Yes D'N S. Cooler Tempiesawers: Analysis R On Ice: D'Yes D'N S. Cooler Tempiesawers: Cooler Tempiesawer	WW	Relinquis	11	Relinquis								/		s	s	s	s	Matrix								ettle@e			105 S.		Settle, A
MALL ENVIRONMENTAL Project Name: Federal FC Com #2H Waster Name: Federal FC Com #2H Project Name: Federal FC Com #2H www.halewromental.com www.halewromental.com www.halewromental.com Project Manager: Incornsev Sampler: Kage Parker No st. cladre (Langer) No st. cladre (Langer) Project Manager: Incornsev Sampler: Kage Parker No st. cladre (Langer) No st. cladre (Langer) No st. cladre (Langer) Sampler: Cooler: Incornsev Cooler Temporative Type and # Type and # Type and # Sampler: Kage Parker No st. cladre (Langer) No st. cladre (Langer) No st. cladre (Langer) No st. cladre (Langer) Cooler Temporative Type and # Type and # Sampler: Xage Parker Q 2 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	MM	hed by:	huf real	hjeđ/by:						/				PH01C @ 16'	PH01B @ 14 ¹	PH01A @10'	PH01 @ 7'					er	implication of the second seco	Level 4 (Full Validation)		ogresources.com			4th St. Artesia, NM 88210		mber Griffin
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ANALYSIS LABORATORY WWW.hallenvironmental.com 4901 Hawkins NE - Abuquerque, NM 87109 Tel. 505-345-3975 Tel. 505-345-4107 Analysis Request 0 0 2		Via:		Via:						0								Туре	Preservative	Vinduding CEV. 1		Nase Parker	K	ensolum.com	rissey	ager:	APP22139356	3C2000006			d ∯ Rush
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Released to Imaging: 9/30/2022 10:06:18 AM



APPENDIX E

NMOCD Notifications

Released to Imaging: 9/30/2022 10:06:18 AM

From:	Chase Settle
То:	Tacoma Morrissey
Cc:	Amber Griffin
Subject:	FW: Federal FC Com #2H (NAPP2213936364 & NAPP2213935679) Sampling Notification
Date:	Thursday, July 7, 2022 4:07:09 PM

EXTERNAL EMAIL]

From: Miriam Morales < Miriam_Morales@eogresources.com>

Sent: Thursday, July 7, 2022 2:47 PM

To: blm_nm_cfo_spill@blm.gov; Robert.Hamlet@state.nm.us; mike.bratcher@state.nm.us; jocelyn.harimon@state.nm.us; Jennifer.Nobui@state.nm.us

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory <Artesia_Regulatory@eogresources.com>

Subject: Federal FC Com #2H (NAPP2213936364 & NAPP2213935679) Sampling Notification

Good afternoon,

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

Federal FC Com #2H M-24-20S-24, Eddy Co, NM NAPP2213936364 & NAPP2213935679

Sampling will begin at 8:30 a.m. Tuesday, July 12, 2022 and continue through Friday, July 15, 2022.

Thank you,

Miriam Morales

From:Amber GriffinTo:Tacoma Morrissey; Ashley AgerCc:Chase SettleSubject:FW: Federal FC Com #2H- Sampling NotificationDate:Wednesday, May 11, 2022 3:55:31 PM

[**EXTERNAL EMAIL**]

Thank you, Amber Griffin

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Wednesday, May 11, 2022 2:53 PM
To: Robert.Hamlet@state.nm.us; blm_nm_cfo_spill@blm.gov
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Artesia S&E Spill Remediation
<Artesia_S&E_Spill_Remediation@eogresources.com>
Subject: Federal FC Com #2H- Sampling Notification

Good afternoon,

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

Federal FC Com #2H M-24-20S-24, Eddy Co, NM

Sampling will begin at 8:30 a.m. on Monday, May 16, 2022 and will be continuous through Tuesday, May 17, 2022.

Thank you,

Miriam Morales

From:	Amber Griffin
То:	Tacoma Morrissey
Subject:	FW: Federal FC Com 2H (nAPP2213935679) Sampling Notification
Date:	Wednesday, July 27, 2022 3:20:34 PM
Attachments:	image001.png

[**EXTERNAL EMAIL**]

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, July 27, 2022 2:18 PM
To: blm_nm_cfo_spill@blm.gov; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon
<Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet
<Robert.Hamlet@state.nm.us>
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia
Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Federal FC Com 2H (nAPP2213935679) Sampling Notification

Good Afternoon,

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

Federal FC Com 2H M-24-20S-24E Eddy County, NM nAPP2213935679

Sampling will begin at 8:30 a.m. on Monday, August 1, 2022 and continue through Thursday, August 4, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: <u>tina_huerta@eogresources.com</u>



Artesia Division

From:Amber GriffinTo:Tacoma Morrissey; Ashley AgerCc:Chase SettleSubject:FW: Federal FC Com 2H Sampling NotificationDate:Thursday, May 19, 2022 10:52:12 AMAttachments:image001.png

[**EXTERNAL EMAIL**]

Thank you,

Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, May 19, 2022 9:45 AM
To: Robert.Hamlet@state.nm.us; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>;
Jennifer.Nobui@state.nm.us; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>;
blm_nm_cfo_spill@blm.gov
Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia
Regulatory <Artesia_Regulatory@eogresources.com>
Subject: Federal FC Com 2H Sampling Notification

Good Morning,

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

Federal FC Com 2H M-24-20S-24E; Eddy County, NM

Sampling will begin at 8:30 a.m. on Wednesday, May 25, 2022 and will be continuous through Friday, May 27, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: <u>tina_huerta@eogresources.com</u>





APPENDIX F

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 Page 62 bf 67

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

)

Incident ID	nAPP2213935679
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Amber Griffin	Contact Telephone 575-748-1471
Contact email amber_griffin@eogresources.com	Incident # <i>nAPP2213935679</i>
Contact mailing address 104 S. 4th Street, Artesia, NM 88	3210

Location of Release Source

Latitude 32.5538864

Longitude -104.5482407

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal FC Com # 2H	Site Type Battery
Date Release Discovered 5/18/2022	API# (if applicable) 30-015-26907

ſ	Unit Letter	Section	Township	Range	County
	М	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) Unknown	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls)
	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)
envir	npacted area footprint, that the release more	e the area determined on 5/18/2022, based on

Page 2

Oil Conservation Division

Incident ID	NAPP2213935679
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 📈 No	
If YES, was immediate no	otice 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

 \checkmark The source of the release has been stopped.

I 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 not 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	Amber	Griffin

Signature: Amber Griffin

email: amber_griffin@eogresources.com

Title:	Rep	Safety	&	Environmental	Sr
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Date: 5/19/2022

Telephone: 575-748-1471

OCD Only

Received by: Jocelyn Harimon

Date: 05/19/2022

Received by OCD: 8/15/2022 3:31:51 PM Form C-141 State of New Mexico

Oil Conservation Division

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🗴 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X 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 X 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 X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	X Yes 🗌 No
Are the lateral extents of the release within a 100-year floodplain?	Yes X 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.

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

Received by OCD: 8/15/202	22 3:31:51 PM State of New Mexico			Page 65 65 67
F01111 C-141			Incident ID	NAPP2213935679
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: <u>Amber G</u> Signature: <u>Amber d</u> email: <u>amber_griffin@ecc</u>	r Griffin	ifications and perform co DCD does not relieve the eat to groundwater, surfa	prrective actions for rele operator of liability sho ce water, human health iance with any other feo c Environmental Sr.	ases which may endanger ould their operations have or the environment. In
OCD Only Received by: Jocely	n Harimon	Date: <u>08/</u>	15/2022	

Received by OCD: 8/15/2022 3:31:51 PM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	NAPP2213935679
District RP	
Facility ID	
Application ID	

Remediation Plan

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

X Detailed description of proposed remediation technique

X Scaled sitemap with GPS coordinates showing delineation points

x Estimated volume of material to be remediated

X Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

X 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 prodeconstruction.	oduction equipment where remediation could cause a major facility		
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 complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of		
Printed Name: Amber Griffin Title: Rep Safety & Environmental Sr.			
Signature: Amber Griffin	Date: 8/15/2022		
Signature: <u>Amber Griffin</u> email: amber_griffin@eogresources.com	Telephone: _575-748-1741		
OCD Only			
Received by: Jocelyn Harimon	Date:08/15/2022		
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved		
Signature: <u>Jennifer Nobui</u>	Date: 09/30/2022		

Page 5

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

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	134235
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Release has not been laterally delineated. Sidewall samples should be delineated to 100 mg/kg for TPH to define the edge of the release.	9/30/2022

Page 67 of 67