Form C-141 Page 6

State of New Mexico Oil Conservation Division

Incident ID	nAPP2225953832
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following it	tems must be included in the closure report.								
A scaled site and sampling diagram as described in 19.15.29.11 NMAC									
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)									
☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)									
✓ Description of remediation activities									
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in								
email: addisong@forl.com	Telephone: 432-687-1777								
OCD Only									
Received by: Robert Hamlet	Date: <u>9/11/2023</u>								
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.								
Closure Approved by: Robert Hamlet	Date: 9/11/2023								
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced								



SITE INFORMATION

Closure Report El Paso Federal No.3 Eddy County, New Mexico Unit A Sec 01 T21S R26E 32.517615°, -104.239504°

Condensate Release

Point of Release: Frozen 2" Valve on Storage Tank

Release Date: 03/03/2002

Volume Released: 90 barrels of Condensate Volume Recovered: 0 barrels of Condensate

CARMONA RESOURCES

Prepared for: Fasken Oil and Ranch, Ltd 6101 Holiday Hill Road, Midland, Texas 79707

Prepared by: Carmona Resources, LLC 310 West Wall Street Suite 500 Midland, Texas 79701



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FIGURE 3 SAMPLE LOCATION

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APPENDIX B INITIAL AND FINAL C-141

APPENDIX C SITE CHARACTERIZATION AND GROUNDWATER

APPENDIX D LABORATORY REPORTS

April 24, 2023

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Report

El Paso Federal No.3 Fasken Oil and Ranch, Ltd

Site Location: Unit A, S01, T21S, R26E (Lat 32.517615°, Long -104.239504°) Eddy County, New Mexico

Mr. Bratcher:

On behalf of Fasken Oil and Ranch, Ltd (Fasken), Carmona Resources, LLC has prepared this letter to document site activities for El Paso Federal No.3. The site is located at 32.517615°, -104.239504° within Unit A, S01, T21S, R26E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 3, 2002, due to a frozen 2" valve on the condensate storage tank. It resulted in the release of approximately ninety (90) barrels of condensate, and zero (0) barrels of condensate were recovered. See Figure 3 for the area of concern located on the pad. The initial C-141 form is attached in Appendix B.

2.0 Site Characterization and Groundwater

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water source is located within a 0.50-mile radius of the location. The closest well is approximately 0.73 miles Southwest of the site in S01, T21S, R26E and was drilled in 2000. The well has a reported depth to groundwater of 89.0' feet below the ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix C.

3.0 Site Characterization and Groundwater

Per the NMOCD regulatory criteria established 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600mg/kg.

4.0 Site Assessment Activities

On September 6, 2022, Fasken performed site assessment activities to evaluate soil impacts stemming from the release. A total of one (1) sample point (S-1) and four (4) horizontal sample points (North, South, East, and West) were installed to depths ranging from the surface -0.5' bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-

310 West Wall Street, Suite 500 Midland TX, 79701 432.813.1992



provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D. Refer to Table 1.

On March 3, 2023, Fasken performed additional site assessment activities as requested by the NMOCD. A total of ten (10) sample points (S-1 through S-10) and four (4) horizontal sample points (North, South, East, and West) were installed to depths ranging from the surface – 0.5' bgs inside and surrounding the release area to reevaluate the vertical and horizontal extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix D. Refer to Table 1.

All initial samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1

5.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Fasken formally requests the closure of the spill. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

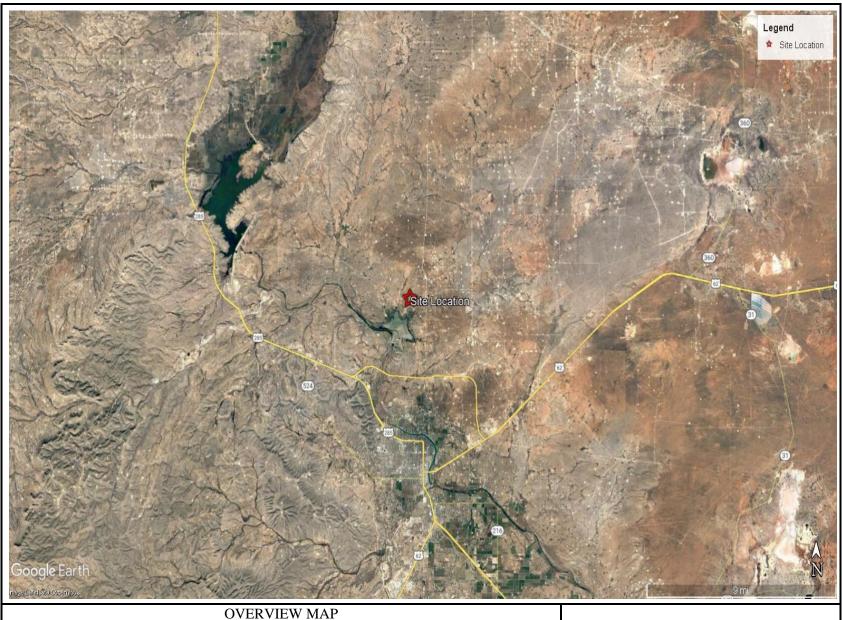
Mike Carmona

Environmental Manager

Clinton Merritt Sr Project Manager

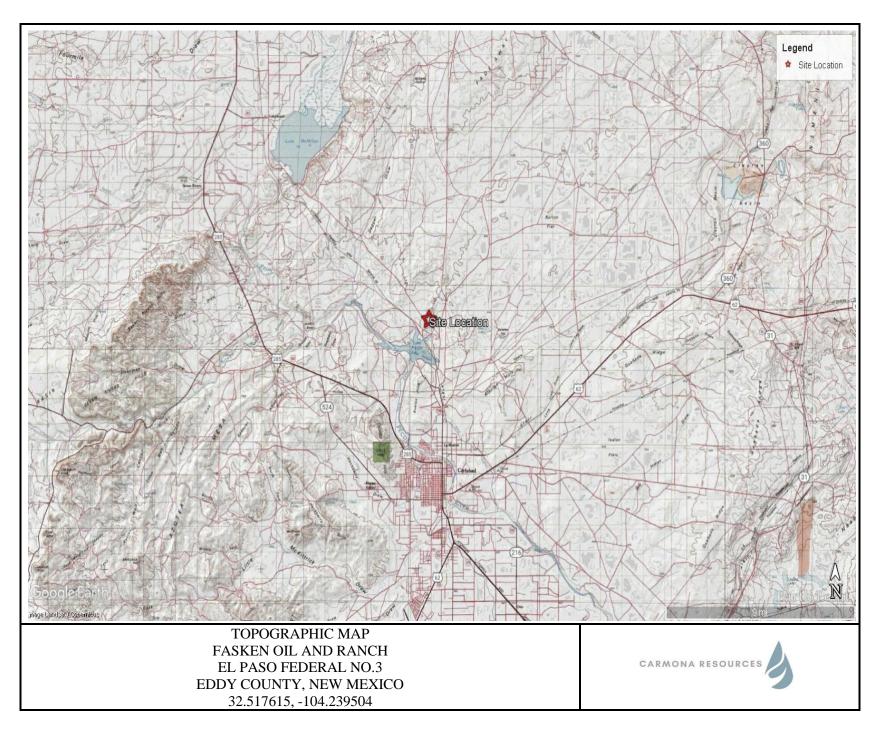
FIGURES

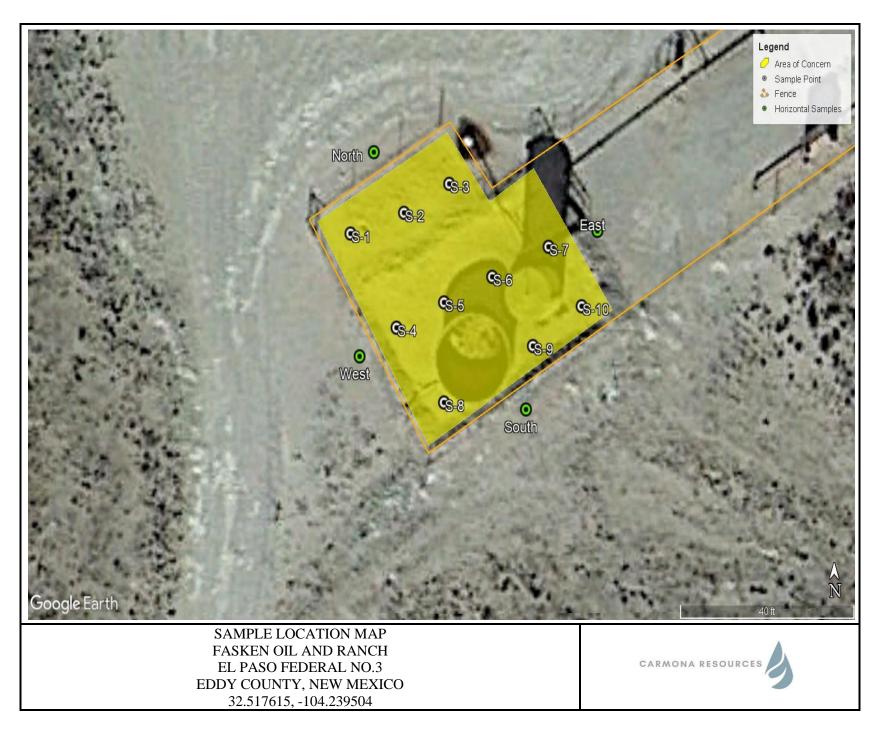
CARMONA RESOURCES



OVERVIEW MAP
FASKEN OIL AND RANCH
EL PASO FEDERAL NO.3
EDDY COUNTY, NEW MEXICO
32.517615, -104.239504







APPENDIX A

CARMONA RESOURCES

Table 1
Fasken Oil and Ranch
El Paso Federal No.3
Eddy County, New Mexico

Sample ID Date		Donth (ft)		TPH	l (mg/kg)		Benzene	Toluene	Ethlybenzene	Xylene	Total BTEX	Chloride
Sample ID	Date	Depth (ft)	GRO	DRO	MRO	Total	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
S-1	9/6/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	138
0-1	3/13/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	12.7
S-2	3/13/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	17.9
S-3	3/13/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	98.6
S-4	3/13/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5.51
S-5	3/13/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	18.1
S-6	3/13/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	289
S-7	3/13/2023	0-0.5	<50.0	52.7	<50.0	52.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	36.8
S-8	3/13/2023	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	47.2
S-9	3/13/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.2
S-10	3/13/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	6.23
North	9/6/2022	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	19.7
North	3/13/2023	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<4.99
East	9/6/2022	0-0.5	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.6
Luot	3/13/2023	0-0.5	<49.9	87.1	<49.9	87.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	56.4
South	9/6/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	10.4
	3/13/2023	0-0.5	<49.9	56.4	<49.9	56.4	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	12.6
West	9/6/2022	0-0.5	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	16.0
	3/13/2023	0-0.5	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	6.20
	ry Criteria A					100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed

A – Table 1 - 19.15.29 NMAC mg/kg - milligram per kilogram TPH- Total Petroleum Hydrocarbons ft-feet

(S) Sample Point

APPENDIX B

CARMONA RESOURCES

SIGN-IN HELP

Searches

Operator Data

Hearing Fee Application

OCD Permitting

Incidents

Incident Details

NMCS0207251045 2002 MAJOR A OS @ 30-015-21307

General Incident Information

Well: Facility: [30-015-21307] EL PASO FEDERAL #003

Operator:

[151416] FASKEN OIL & RANCH LTD

Status:

Closure Not Approved

District:

Oil Release

Artesia

Lat/Long: Directions: A-01-21S-26E Lol: 24 1664 FNL 660 FWL 32.5179825.-104.2525024 NAD83

Source of Referral:

Industry Rep

Resulted In Fire: Endangered Public Health:

Fresh Water Contamination:

County:

Surface Owner:

Major Federal

Eddy (15)

Action / Escalation:

Will or Has Reached Watercourse:

Property Or Environmental Damage:

Contact Details

Contact Name:

Event Dates

Date of Discovery:

03/03/2002 11/15/2018

Initial C-141 Received:

Characterization Report Received: Remediation Plan Received:

Closure Report Received:

OCD Notified of Release:

Cancelled Date:

Characterization Report Approved: Remediation Plan Approved:

Remediation Due:

Closure Report Approved:

Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incidents Materials

Cause :			Volume									
	Source	Material	Unk.	Released	Recovered	Lost	Units					
Freeze	Valve	Condensate	-1	90	0	90	BBL					

Incident Events

Date

A 2" VALVE ON THE CONDENSATE STORAGE TANK FROZE AND CRACKED. THE VALVE WAS REPLACED. THE SPILL WAS CONTAINED WITHIN 22'X40' DIKED AREA WITH THE EXCEPTION OF A SMALL AREA ON PAD 2'X8'

Quick Links

- General Incident Information
- Materials
- Events

Associated Images

- Incident Files (0)
- Well Files (47)

New Searches

- New Facility Search
- New Incident Search ♥
- New Operator Search %
- New Pit Search %
- New Spill Search &
- New Tank Search
- · New Well Search &

Received by OCD: 4/24/2023 1:56:21 PM Form C-141 State of New Mexico
Page 3 Oil Conservation Division

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Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody	ls.

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.

Form C-141

Page 4

State of New Mexico Oil Conservation Division

Incident ID	nAPP2225953832
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release noti public health or the environment. The acceptance of a C-141 report by the Cailed to adequately investigate and remediate contamination that pose a thre addition, OCD acceptance of a C-141 report does not relieve the operator of	fications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In
and/or regulations.	responsionly for compliance with any other reactar, state, or room taws
Printed Name: Addison Guelker	Title: Environmental Analyst
Signature: AAC 6A	Date: 04/24/23
email: addisong@forl.com	Telephone: 432-687-1777
OCD Only	
Received by:	Date:

Form C-141 Page 6

State of New Mexico Oil Conservation Division

Incident ID	nAPP2225953832
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.							
✓ A scaled site and sampling diagram as described in 19.15.29	1.11 NMAC							
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)								
☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)								
✓ Description of remediation activities								
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in							
OCD Only								
Received by:	_ Date:							
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.							
Closure Approved by:	Date:							
Printed Name:								
	,							



OCDOnline@state.nm.us < OCDOnline@state.nm.us > 3/7/2023 3:55 PM

To: Addison Guelker

To whom it may concern (c/o Addison Long for FASKEN OIL & RANCH LTD),

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2225953832, for the following reasons:

• The Remediation Plan is denied: Please collect confirmation samples, representing no more than 200 ft2. The closure report includes an inadequate number of floor samples. Site map dimensions are roughly 40 ft wide 50 ft, which gives a rough estimate of 2,000 ft2. Roughly 10 floor confirmation samples (200 ft2) would be required for the release area. The work will need to occur in 90 days after the work plan has been approved.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 144412.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Robert Hamlet 575-748-1283 Robert.Hamlet@emnrd.nm.gov

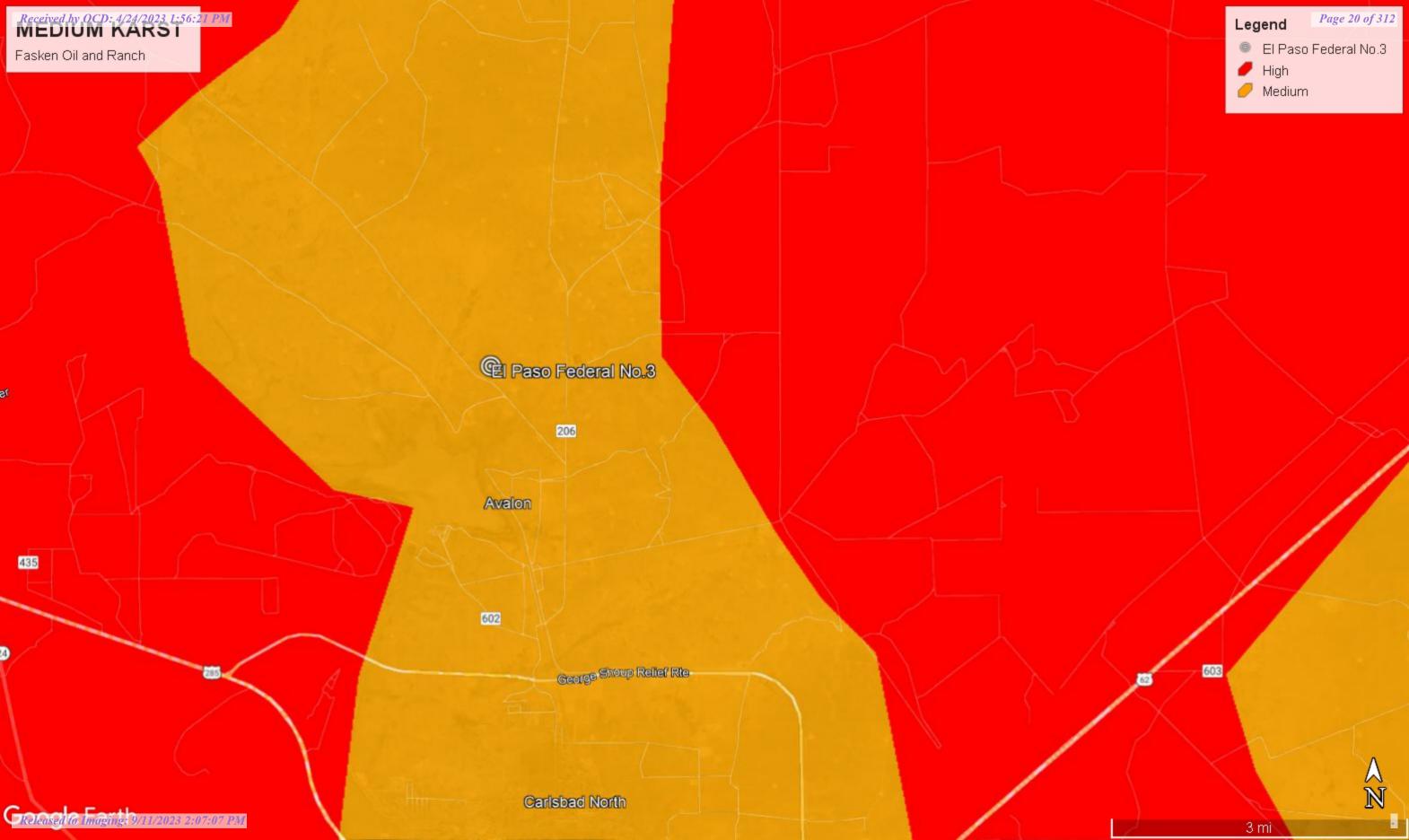
New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

APPENDIX C

CARMONA RESOURCES







New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in meters)

		POD Sub-		Q	Q	Q						Depth	Depth	Water
POD Number	Code		County	64	16	4				X	Y		Water	Column
<u>C 00051</u>		С	ED				36	21S	26E	570880	3589008*	184		
<u>C 00060</u>		С	ED	4	4	4	25	21S	26E	571575	3589922* 🌑	200		
C 00076 S-12		CUB	ED	3	1	3	28	21S	26E	565310	3590334* 🌕	210	190	20
<u>C 00120</u>		CUB	ED	3	3	1	23	21S	26E	568530	3592380*	440	45	395
<u>C 00121</u>		С	ED				36	21S	26E	570880	3589008* 🌍	74	55	19
<u>C 00159</u>		С	ED		1	4	35	21S	26E	569473	3588814* 🌍	120		
C 00161 POD2		CUB	ED	3	1	3	25	21S	26E	570208	3590377 🌍	150	30	120
C 00165		CUB	ED	3	2	4	24	21S	26E	571361	3591952* 🌍	320		
<u>C 00166</u>		CUB	ED	1	4	4	24	21S	26E	571364	3591748* 🌍	214		
C 00200 POD1		С	ED	2	4	2	31	21S	26E	563470	3589298 🌑	618		
C 00203		С	ED				36	21S	26E	570880	3589008*	350	30	320
<u>C 00217</u>	R	С	ED	4	2	2	36	21S	26E	571577	3589520*	140		
C 00217 POD2		С	ED	4	2	2	36	21S	26E	571559	3589506 🌕	45	19	26
C 00248 CLW195309	0		ED	4	4	4	36	21S	26E	571582	3588307* 🌑	24	18	6
C 00250		С	ED				36	21S	26E	570880	3589008*	148	25	123
C 00266		С	ED	1	1	4	35	21S	26E	569372	3588913* 🌕	100		
C 00275		С	ED	3	4	4	25	21S	26E	571375	3589922* 🌑	211	15	196
C 00345		С	ED	4	3	4	25	21S	26E	571177	3589934* 🌕	50		
C 00359		С	ED	4	3	1	35	21S	26E	568762	3589123* 🎒	155	135	20
C 00427		С	ED	2	1	2	36	21S	26E	571178	3589728* 🌑	32	21	11
C 00458		С	ED	2	1	2	36	21S	26E	571178	3589728*	50		
<u>C 00470</u>		С	ED		4	2	24	21S	26E	571459	3592458*	3205		
<u>C 00471</u>		С	ED	1	2	2	36	21S	26E	571377	3589720*	44	14	30
<u>C 00483</u>		С	ED	4	4	2	36	21S	26E	571578	3589117* 🌍	100	40	60
C 00524		С	ED	1	4	4	80	21S	26E	564833	3594964* 🌕	175		
<u>C 00536</u>	С	CUB	ED		2	2	24	21S	26E	571457	3592861*	2664		

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a

water right file.)

(R=POD has been replaced, O=orphaned,

O=orphaned, C=the file is (qua

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

closed) (quarters are smallest to largest) (NAD83 UTM in meters)

	_	POD Sub-		-	Q	-						-	-	Water
POD Number C 00543	Code	basin (County ED	64	16			Tws 21S	_	X 570880	Y 3589008*	Well 150	Water	Column
C 00603		С	ED					218		569254	3588988*	72	57	15
C 00604		С	ED				35	21S	26E	569254	3588988*	90	69	21
C 00610	С	CUB	ED	4	3	2	13	21S	26E	571143	3593989*			
C 00615		С	ED	1	1	3	23	21S	26E	568533	3592175* 🎒	53	36	17
C 00617		С	ED	1	3	2	35	21S	26E	569372	3589327*	103	85	18
C 00622	С	CUB	ED		4	2	13	21S	26E	571448	3594073*	318		
<u>C 00646</u>		С	ED	2	3	2	35	21S	26E	569572	3589327*	84	60	24
C 00656	С	CUB	ED		4	2	24	21S	26E	571459	3592458* 🎒			
C 00670		С	ED	1	4	2	35	21S	26E	569775	3589329*	100	65	35
<u>C 00674</u>	С	CUB	ED		2	4	24	21S	26E	571462	3592053*	2709		
C 00689		С	ED	3	4	2	22	21S	26E	568123	3592375*	93	55	38
<u>C 00705</u>		С	ED	1	4	2	35	21S	26E	569775	3589329*	78	62	16
<u>C 00713</u>		С	ED	4	4	2	24	21S	26E	571558	3592357* 🌍	180	43	137
C 00769		С	ED				35	21S	26E	569254	3588988* 🌍	65	51	14
<u>C 00786</u>		С	ED	4	4	2	25	21S	26E	571569	3590735* 🌍	58	41	17
<u>C 00787</u>		С	ED		3	4	35	21S	26E	569473	3588399* 🌍	84	24	60
C 00794		С	ED		3	2	35	21S	26E	569473	3589228* 🎒	105	70	35
<u>C 00801</u>		С	ED				35	21S	26E	569254	3588988*	130	90	40
C 00842		CUB	ED	4	2	4	25	21S	26E	571572	3590329*	120		
C 00858 A		CUB	ED	4	4	3	25	21S	26E	570779	3589946* 🎒	140		
C 00858 B		CUB	ED	3	4	3	25	21S	26E	570579	3589946* 🎒	100	26	74
C 00858 C		CUB	ED	4	4	3	25	21S	26E	570779	3589946*	106	24	82
C 00882		С	ED			1	36	21S	26E	570480	3589433*	90	45	45
C 00886		CUB	ED	2	1	2	35	21S	26E	569572	3589756*	100		
C 00895		С	ED		1	1	26	21S	26E	568645	3591270*	121	40	81
C 00915		CUB	ED				25	21S	26E	570885	3590662*	124	77	47
C 00930		С	ED	2	4	2	25	21S	26E	571569	3590935* 🌍	300		
C 00939		С	ED	3	4	2	35	21S	26E	569775	3589129* 🌍	110	50	60

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closed) (quarters are smallest to largest) (NAD83 UTM in meters)

water right many	Cicco	POD Sub-			Q					, ,	,	-	-	Water
POD Number C 00951	Code	basin (County ED	64				21S		X 569473	Y 3588814*	Well 68	Water 56	Column 12
C 00952		С	ED					218		569473	3588814*	89	68	21
C 00955		С	ED	4	2	3	35	21S	26E	569164	3588708*	100	68	32
C 00970		С	ED	2	2	1	35	21S	26E	569170	3589749*	90	70	20
C 00995		С	ED	2	4	2	25	21S	26E	571569	3590935*	240		
C 01014		С	ED	4	4	4	35	21S	26E	569974	3588301*	110	49	61
C 01020		С	ED		4	2	25	21S	26E	571470	3590836*	230		
C 01023		С	ED		2	1	03	21S	26E	567363	3597716* 🎒	175		
<u>C 01034</u>		С	ED	4	3	4	25	21S	26E	571177	3589934* 🎒	70		
<u>C 01042</u>		С	ED		4	2	25	21S	26E	571470	3590836*	240		
C 01043		С	ED		4	2	25	21S	26E	571470	3590836*	240		
C 01081		С	ED			2	35	21S	26E	569674	3589429*	160	60	100
<u>C 01094</u>		С	ED		4	2	25	21S	26E	571470	3590836* 🎒	235		
C 01095		С	ED		4	2	25	21S	26E	571470	3590836* 🎒	240		
<u>C 01177</u>		С	ED		4	2	25	21S	26E	571470	3590836* 🎒	144	32	112
C 01191	R	С	ED	3	1	4	17	21S	26E	564440	3593549* 🎒	190	175	15
C 01201		С	ED		3	2	35	21S	26E	569473	3589228* 🎒	105	65	40
C 01220		С	ED	1	4	2	25	21S	26E	571369	3590935* 🎒	165	16	149
C 01233		С	ED		1	2	35	21S	26E	569473	3589657* 🎒	58		
C 01234		С	ED		1	2	35	21S	26E	569473	3589657* 🌍	57		
C 01284		С	ED		4	2	25	21S	26E	571470	3590836* 🌍	165		
C 01295		С	ED		4	2	35	21S	26E	569876	3589230* 🌍	120		
C 01308		С	ED	2	4	2	25	21S	26E	571569	3590935* 🌍	180		
C 01380		С	ED	1	1	3	33	21S	26E	565280	3588902* 🌍	230		
C 01382		С	ED		4	4	24	21S	26E	571465	3591649* 🌕	180		
C 01422		CUB	ED		4	1	25	21S	26E	570674	3590864*	464	49	415
<u>C 01434</u>		С	ED	4	4	1	35	21S	26E	569167	3589125*	102	75	27
<u>C 01440</u>		С	ED	1	4	2	35	21S	26E	569775	3589329*	68	51	17
<u>C 01481</u>		С	ED		3	3	29	21S	26E	563797	3590008*	655	220	435

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DOD Namely	POD Sub-	01	Q	-	-	_	D.			-	-	Water
POD Number C 01482	Code basin C	ED ED				21S		X 569572	Y 3589327*	95	75	Column 20
C 01496	С	ED	2 3	3 2	35	21S	26E	569572	3589327*	70	52	18
<u>C 01500</u>	С	ED	2 2	2 4	25	21S	26E	571572	3590529* 🎒	40	15	25
<u>C 01501</u>	С	ED	2	2 3	03	21S	26E	567355	3596917* 🎒	270	140	130
C 01529	С	ED	2 4	1 2	21	21S	26E	566689	3592556* 🌑	130	70	60
C 01543	С	ED	4 4	1 1	09	21S	26E	565837	3595576* 🌍	225	150	75
C 01549	С	ED	3 ′	I 3	28	21S	26E	565310	3590334* 🎒	210	190	20
C 01567	С	ED	3 3	3 2	35	21S	26E	569372	3589127* 🌍	106	106	0
C 01579	С	ED	2 ′	l 1	33	21S	26E	565506	3589720* 🌑	292		
C 01584	С	ED	•	1 2	35	21S	26E	569473	3589657* 🌍		20	
C 01594	С	ED	2 ′	l 1	33	21S	26E	565506	3589720* 🌑	308	97	211
C 01596	С	ED	2	2 3	13	21S	26E	570647	3593702* 🎒	325	170	155
C 01601	С	ED	2 3	3 2	35	21S	26E	569572	3589327* 🌍	94	57	37
C 01622	С	ED	2 3	3 2	35	21S	26E	569572	3589327* 🌑	95	58	37
C 01629	С	ED	2 3	3 2	35	21S	26E	569572	3589327* 🌍	75	50	25
C 01643	С	ED	2 3	3 2	17	21S	26E	564637	3594153* 🎒	330	310	20
C 01645	С	ED	4	1 2	25	21S	26E	571470	3590836* 🌍	103	30	73
C 01680	С	ED		2	32	21S	26E	564808	3589394* 🌑	209	209	0
<u>C 01726</u>	С	ED		2	17	21S	26E	564739	3594255* 🌑	211	180	31
C 01734	С	ED	2 3	3 2	17	21S	26E	564637	3594153* 🎒	216	182	34
C 01736	С	ED	4 2	2 3	17	21S	26E	564237	3593547* 🎒	212	178	34
C 01807	С	ED	1 3	3 2	17	21S	26E	564437	3594153* 🎒	300	180	120
<u>C 01817</u>	С	ED	4	1 2	17	21S	26E	564942	3594056* 🌍	215	195	20
C 01821	С	ED	2	2 2	17	21S	26E	564938	3594460* 🌍	207		
C 01821 POD2	С	ED	2	2 2	17	21S	26E	564938	3594460* 🌍	305	190	115
<u>C 01840</u>	С	ED	1 4	1 2	17	21S	26E	564841	3594155* 🌍	360	201	159
<u>C 01845</u>	С	ED	2	2 1	17	21S	26E	564131	3594455* 🌍	219	180	39
<u>C 01858</u>	С	ED	3 3	3	18	21S	26E	562029	3593099* 🌑	360	240	120
C 01859	С	ED	3	3 4	08	21S	26E	564531	3594862* 🌑	201	165	36

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(quarters are smallest to largest) (NAD83 UTM in meters) closed)

(In feet)

mator right mory	0.000	POD Sub-		-	-	Q				·	·	-	_	Water
POD Number C 01878	Code	basin (County ED	64	16	4		21S		X 564327	Y 3595459*	Well 245	Water 165	Column 80
C 01925		С	ED		1	1		218		565407	3589621*	184	164	20
C 01927		С	ED	3	4	3	08	21S	26E	564026	3594758*	270	165	105
C 01935		С	ED			2	22	21S	26E	568017	3592672*	98	76	22
C 01935 POD2		С	ED			2	22	21S	26E	568017	3592672*	101	76	25
C 01937		С	ED			4	80	21S	26E	564732	3595063*	256	190	66
C 01940		С	ED		4	2	17	21S	26E	564942	3594056*	212	182	30
C 01955		С	ED		2	2	30	21S	26E	563375	3591206*	465	348	117
<u>C 01958</u>		С	ED		4	4	80	21S	26E	564934	3594865* 🎒	180	155	25
C 01972		С	ED		2	1	32	21S	26E	564205	3589598* 🎒	220	190	30
C 01978		С	ED	3	1	2	17	21S	26E	564433	3594357* 🌑	215	150	65
<u>C 01991</u>		С	ED	2	2	3	80	21S	26E	564226	3595362* 🌑	235	160	75
<u>C 01995</u>		С	ED			1	17	21S	26E	563931	3594250* 🌕	280	250	30
<u>C 02046</u>		С	ED			4	80	21S	26E	564732	3595063* 🌑	220	160	60
<u>C 02051</u>		С	ED				35	21S	26E	569254	3588988* 🌍	86	65	21
C 02077		С	ED	3	4	3	80	21S	26E	564026	3594758* 🌍	227	185	42
<u>C 02093</u>		С	ED	1	2	1	17	21S	26E	564030	3594554* 🌍	210	179	31
<u>C 02130</u>		С	ED	2	2	1	17	21S	26E	564230	3594554* 🌑	245	225	20
C 02137		С	ED		4	2	17	21S	26E	564942	3594056* 🌑	217	178	39
<u>C 02140</u>		С	ED	2	2	1	17	21S	26E	564230	3594554* 🌍	235	203	32
<u>C 02144</u>	R	С	ED		2	3	12	21S	26E	570625	3595317* 🌍	170		
C 02157		С	ED			4	80	21S	26E	564732	3595063* 🌍	218	150	68
C 02159		CUB	ED	2	2	1	17	21S	26E	564230	3594554* 🌍	205	168	37
C 02162		С	ED		4	4	80	21S	26E	564934	3594865* 🌍	202	150	52
C 02172		С	ED		4	4	80	21S	26E	564934	3594865* 🌑	200	150	50
C 02188		С	ED			3	80	21S	26E	563925	3595057* 🎒	182	155	27
C 02211		CUB	ED	4	4	3	25	21S	26E	570779	3589946* 🎒		25	
C 02214		С	ED	2	1	2	36	21S	26E	571178	3589728* 🎒	75	27	48
C 02228		С	ED			3	80	21S	26E	563925	3595057* 🌑	250	168	82

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closed) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

water right file.	POD	(-1					9,	(, , , , , ,	o riw iir metera)		(1111001	,
POD Number	Sub- Code basin (County	Q (-	-	Tws	Rng	х	Y	-	-	Water Column
C 02237	С	ED				21S		564732	3595063* 🎒	232		
<u>C 02301</u>	С	ED	1	3	80	21S	26E	563724	3595260* 🌕	240	160	80
<u>C 02304</u>	С	ED	4 1	2	22	21S	26E	567908	3592774* 🎒	105	80	25
<u>C 02340</u>	С	ED	3 4	3	22	21S	26E	567326	3591560* 🌕	397	250	147
C 02361	С	ED	2 4	- 3	80	21S	26E	564226	3594958* 🌑	250	150	100
C 02396	С	ED	1 3	4	80	21S	26E	564430	3594961* 🌑	207	80	127
<u>C 02404</u>	С	ED	4	- 2	25	21S	26E	571470	3590836* 🌑	176	25	151
C 02427	С	ED	2 2	4	80	21S	26E	565031	3595367* 🌑	250	200	50
C 02427 POD2	С	ED	2 2	4	80	21S	26E	565031	3595367* 🌑	252	225	27
C 02427 POD3	С	ED	2 2	4	80	21S	26E	565031	3595367* 🌑	200	160	40
<u>C 02437</u>	С	ED	4	. 1	33	21S	26E	565802	3589214* 🎒	220	163	57
<u>C 02443</u>	С	ED	1 4	- 3	80	21S	26E	564026	3594958* 🌑	278	178	100
<u>C 02468</u>	С	ED	3	3	24	21S	26E	570270	3591698* 🌑	160	125	35
<u>C 02490</u>	С	ED	3 1	4	80	21S	26E	564430	3595164* 🎒	235	160	75
<u>C 02498</u>	С	ED			80	21S	26E	564327	3595459* 🌍	274	184	90
C 02562	С	ED	4 2	3	15	21S	26E	567485	3593575* 🎒	160	65	95
C 02577	С	ED	3 2	4	80	21S	26E	564831	3595167* 🌑	196	160	36
C 02595	С	ED		2	26	21S	26E	569664	3591075* 🎒	55	26	29
C 02601	С	ED		1	17	21S	26E	563931	3594250* 🌑	340	210	130
<u>C 02611</u>	С	ED	2 2	3	80	21S	26E	564226	3595362*	250	215	35
C 02615	С	ED	2	3	10	21S	26E	567367	3595290* 🌑	404	115	289
<u>C 02616</u>	С	ED	4	- 3	80	21S	26E	564127	3594859* 🌑	250	180	70
<u>C 02620</u>	С	ED	4 3	2	80	21S	26E	564630	3595567*	203	152	51
<u>C 02621</u>	С	ED			30	21S	26E	562761	3590536*	404	115	289
C 02626	С	ED	2	2	32	21S	26E	565009	3589613* 🌑	202	164	38
<u>C 02632</u>	С	ED	1	3	07	21S	26E	562113	3595242* 🌑	247	66	181
C 02634	С	ED	4	2	25	21S	26E	571470	3590836* 🌑	130	40	90
C 02650	С	ED	4 3	4	80	21S	26E	564630	3594761* 🎒	260	190	70
C 02659	С	ED	1 2	4	80	21S	26E	564831	3595367* 🌍	250	170	80

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	POD Sub-	•	QG			_				_	-	Water
POD Number C 02681	Code basin (County ED				21S		X 564531	Y 3595668*	Well 200	Water 160	Column 40
C 02692	C	ED				218		566682	3588307*	200	85	115
C 02699	С	ED	1 1	4	01	21S	26E	570918	3597016*	320	89	231
C 02730	С	ED	1 4	1	33	21S	26E	565782	3589232 🎒	265	52	213
C 02889	CUB	ED	2 1	4	35	21S	26E	569572	3588913* 🎒	76		
C 02893	С	ED	3 3	1	80	21S	26E	563623	3595563*	225	175	50
C 02906	С	ED	2 4	4	33	21S	26E	566682	3588507*	300		
C 02933	С	ED	4 2	2	32	21S	26E	565108	3589512*	212	144	68
<u>C 02994</u>	С	ED	4 1	3	23	21S	26E	568733	3591975* 🎒	337	34	303
C 03042	С	ED	1 2	4	80	21S	26E	564831	3595367*	215	170	45
C 03069	С	ED	3 4	2	09	21S	26E	566452	3595583*	250	165	85
<u>C 03077</u>	С	ED			80	21S	26E	564327	3595459*	300	100	200
<u>C 03134</u>	С	ED	4 3	2	33	21S	26E	566308	3589117* 🌍	317	120	197
C 03229	С	ED	1	2	80	21S	26E	564531	3596074*	200	180	20
C 03317	С	ED	2 2	4	80	21S	26E	563973	3595048 🎒	216	149	67
C 03329	С	ED	1 1	4	80	21S	26E	563570	3594641 🎒	277	196	81
C 03342	С	ED	4 2	3	80	21S	26E	564197	3595295 🌍	211	161	50
C 03343	С	ED	4 3	3	80	21S	26E	564412	3594797 🌍	219	171	48
C 03357	С	ED	1 3	2	80	21S	26E	564456	3595703 🌍	204	161	43
C 03393 POD1	С	ED	2 2	1	17	21S	26E	564259	3594655 🌍	198	178	20
C 03407 POD1	С	ED	4 4	3	80	21S	26E	564274	3594682 🎒	198	179	19
C 03408 POD1	С	ED	4 3	4	08	21S	26E	564684	3594765 🎒	253	242	11
C 03421 POD1	С	ED	2 2	2	32	21S	26E	565156	3589654 🎒	199	156	43
C 03430 POD1	С	ED	1 1	4	35	21S	26E	569445	3588996 🎒	120	82	38
C 03438 POD1	С	ED	4 2	3	80	21S	26E	564184	3595132 🌍	250	178	72
C 03465 POD1	С	ED	4 1	1	80	21S	26E	563912	3595898 🎒	158	125	33
C 03538 POD1	С	ED	1 4	3	08	21S	26E	564025	3594884 🎒	300		
C 03584 POD1	С	ED	4 4	2	22	21S	26E	568417	3592320 🎒	154	50	104
C 03663 POD1	С	ED	3 1	1	17	21S	26E	563527	3594400 🎒	280	162	118

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DOD Neverles	POD Sub-	01	QQ	-		-	D.		,	-	-	Water
POD Number C 03739 POD1	Code basin	ED ED				21S	_	X 564644	Y 3594836	300	110	Column 190
C 03745 POD1	С	ED	1 4	3	08	21S	26E	564023	3594875 🎒	280	162	118
C 03752 POD1	С	ED	2 2	1	17	21S	26E	564176	3594485 🎒	300	242	58
C 03931 POD1	С	ED	2 3	3	23	21S	26E	568741	3591857 🎒	56	25	31
C 03973 POD1	С	ED	3 4	4	33	21S	26E	566540	3588320 🎒	250	26	224
C 04120 POD1	С	ED	2 4	1	17	21S	26E	564255	3594181 🎒	340	323	17
C 04186 POD1	С	ED	1 3	1	17	21S	26E	563669	3594244 🎒	250	180	70
C 04238 POD1	С	ED	2 1	1	17	21S	26E	563867	3594590 🌕	240	230	10
C 04261 POD1	С	ED	1 2	1	80	21S	26E	563936	3596108 🌕	200	78	122
C 04274 POD1	CUB	ED	4 3	1	07	21S	26E	562828	3595013 🎒	65	50	15
C 04280 POD1	С	ED	3 2	1	80	21S	26E	563943	3595881 🎒	158	130	28
C 04305 POD1	С	ED	4 1	4	80	21S	26E	564606	3595092 🌕	220	180	40
C 04319 POD1	С	ED	4 2	1	80	21S	26E	564292	3596062 🌕	217	210	7
C 04323 POD1	CUB	ED	3 4	3	36	21S	26E	570589	3588222 🌍	50	38	12
C 04323 POD2	CUB	ED	3 4	3	36	21S	26E	570586	3588248 🌍	49	39	10
C 04323 POD3	CUB	ED	3 4	3	36	21S	26E	570533	3588226 🌍	49	39	10
C 04334 POD1	С	ED	2 2	4	33	21S	26E	566160	3588886 🌍	295	290	5
C 04342 POD1	С	ED	4 1	1	80	21S	26E	563896	3595887 🌍	160	120	40
C 04343 POD1	С	ED	3 3	2	80	21S	26E	564423	3595505 🌕	220	125	95
C 04347 POD1	С	ED	4 1	1	80	21S	26E	563888	3595915 🌍	160	120	40
C 04359 POD1	С	ED	4 2	4	17	21S	26E	565057	3593597 🌍	256	230	26
C 04370 POD1	С	ED	1 2	2	32	21S	26E	564781	3589786 🌍	210	80	130
C 04409 POD1	С	ED	4 2	3	17	21S	26E	564229	3594371 🌍	415	50	365
C 04424 POD1	С	ED	3 4	4	33	21S	26E	566532	3588301 🌍	336	300	36
C 04439 POD1	CUB	ED	4 3	4	07	21S	26E	563108	3594653 🌕	250	121	129
C 04439 POD2	CUB	ED	1 3	4	07	21S	26E	562890	3594858 🌍	250	120	130
C 04440 POD1	CUB	ED	4 2	3	17	21S	26E	564318	3593589 🌍	250	200	50
C 04450 POD1	С	ED	3 4	4	33	21S	26E	566514	3588286 🌍	360	280	80
C 04482 POD1	С	ED	2 2	4	80	21S	26E	565032	3595454 🌕	200	40	160

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a

(R=POD has been replaced, O=orphaned,

& no longer serves a water right file.)

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in meters)

	POD Sub-		O.	Q C)					Denth	Denth	Water
POD Number	Code basin	County			-	Tws	Rng	х	Y	_	_	Column
C 04488 POD1	С	ED	2 4	4 1	33	21S	26E	565916	3589321 🌑	255	90	165
C 04535 POD1	С	ED	2 2	2 4	17	21S	26E	565042	3593853 🌑	300	260	40
C 04543 POD1	CUB	ED	2 4	4 2	35	21S	26E	570005	3589326 🌕	75	68	7
C 04543 POD2	CUB	ED	2 4	4 2	35	21S	26E	570016	3589309 🌑	74	68	6
C 04543 POD3	CUB	ED	2 4	4 2	35	21S	26E	570026	3589325 🎒	74	68	6
C 04543 POD4	CUB	ED	2 4	4 2	35	21S	26E	570037	3589305 🌍	74	68	6
C 04543 POD5	CUB	ED	2 4	4 2	35	21S	26E	570052	3589322 🌑	74	68	6

Average Depth to Water: 121 feet

Minimum Depth: 14 feet

Maximum Depth: 348 feet

Record Count: 236

PLSS Search:

Township: 21S Range: 26E



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

C 02699

01 21S 26E

570918 3597016*

Driller License: 421 **Driller Company:**

Driller Name: GLENN, CORKY .

Drill Finish Date:

05/19/2000 Plug Date:

Drill Start Date: Log File Date:

05/19/2000

PCW Rcv Date:

Source:

GLENN'S WATER WELL SERVICE

Shallow

Pump Type:

05/31/2000

Pipe Discharge Size:

Estimated Yield:

200 GPM

Casing Size:

Depth Well: 6.63

320 feet

Depth Water:

89 feet

Water Bearing Stratifications:

Top Bottom Description

270

295 Shallow Alluvium/Basin Fill

Casing Perforations:

Bottom Top

244 320

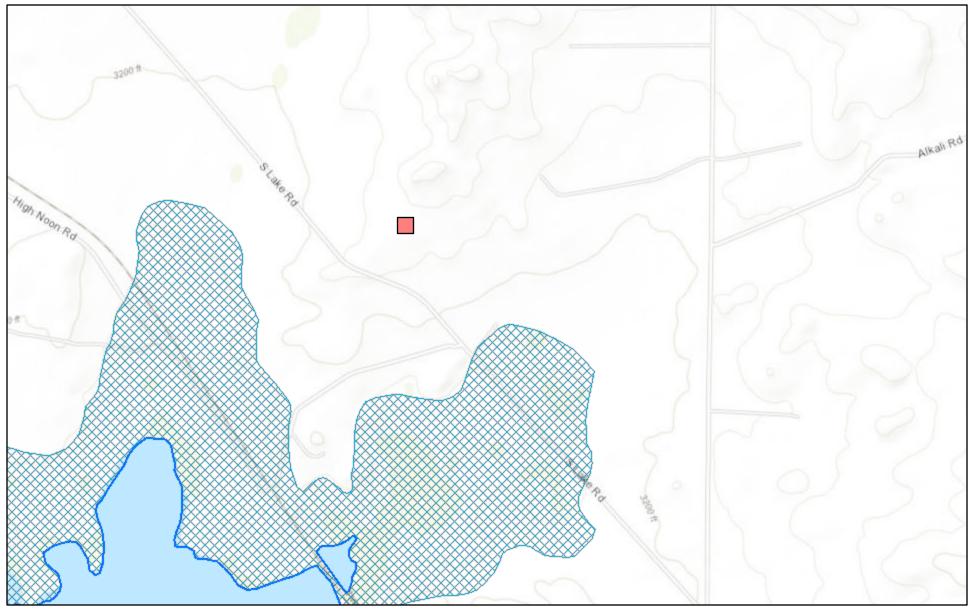
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

9/14/22 9:03 AM

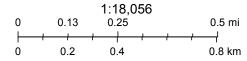
POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help

New Mexico NFHL Data



September 14, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

APPENDIX D

CARMONA RESOURCES

Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-18878-1

Laboratory Sample Delivery Group: Eddy Co. NM

Client Project/Site: El Paso Fed #3

For:

Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Attn: Grant Huckabay

CRAMER

Authorized for release by: 9/12/2022 12:43:17 PM

Jessica Kramer, Project Manager

Jessica.Kramer@et.eurofinsus.com

(432)704-5440

Have a Question?

EOL

------ LINKS ------

Review your project results through

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 9/11/2023 2:07:07 PM Results relate only to the items tested and the sample(s) as received by the laboratory.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3

Laboratory Job ID: 880-18878-1 SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-18878-1 Project/Site: El Paso Fed #3 SDG: Eddy Co. NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
GC Somi V	04

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present **PQL** Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3

Job ID: 880-18878-1
SDG: Eddy Co. NM

Job ID: 880-18878-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-18878-1

Receipt

The samples were received on 9/7/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-33944 and analytical batch 880-33982 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SI (880-18878-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: West (880-18878-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-33979/2-A) and (LCSD 880-33979/3-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-33932 and analytical batch 880-34092 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3 Job ID: 880-18878-1

Matrix: Solid

SDG: Eddy Co. NM

Lab Sample ID: 880-18878-1

Client Sample ID: SI

Date Collected: 09/06/22 10:30 Date Received: 09/07/22 08:00

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 09:40	
Toluene	< 0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 09:40	
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 09:40	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/07/22 16:02	09/09/22 09:40	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 09:40	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/07/22 16:02	09/09/22 09:40	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	75		70 - 130				09/07/22 16:02	09/09/22 09:40	
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130				09/07/22 16:02	09/09/22 09:40	
Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			09/09/22 14:38	
Method: 8015 NM - Diesel Range Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			09/09/22 10:04	
								00/00/22 10:01	
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)						00/00/22 10.01	
	• •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
Analyte Gasoline Range Organics	• •	Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared 09/08/22 08:45		Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U		MDL		<u>D</u>	<u>·</u>	Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result < 50.0	Qualifier U	50.0	MDL	mg/Kg	<u> </u>	09/08/22 08:45	Analyzed 09/08/22 10:46	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	Result <50.0 <50.0	Qualifier U U	50.0	MDL	mg/Kg	<u>D</u>	09/08/22 08:45 09/08/22 08:45	Analyzed 09/08/22 10:46 09/08/22 10:46	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/08/22 08:45 09/08/22 08:45 09/08/22 08:45	Analyzed 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	50.0 50.0 50.0 50.0	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 09/08/22 08:45	Analyzed 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 Prepared	Analyzed 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46 Analyzed	Dil Fa
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 Prepared 09/08/22 08:45	Analyzed 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46 Analyzed 09/08/22 10:46	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 Prepared 09/08/22 08:45	Analyzed 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46 09/08/22 10:46 Analyzed 09/08/22 10:46	Dil Fa

Client Sample ID: North

Date Collected: 09/06/22 10:35 Date Received: 09/07/22 08:00

Sample Depth: 0-6"

L	_ab	Samp	le ID:	880-1	8878-2	

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 10:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 10:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 10:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		09/07/22 16:02	09/09/22 10:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 10:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		09/07/22 16:02	09/09/22 10:06	1

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1

SDG: Eddy Co. NM

Matrix: Solid

Lab Sample ID: 880-18878-2

Lab Sample ID: 880-18878-3

Matrix: Solid

Client Sample ID: North

Date Collected: 09/06/22 10:35 Date Received: 09/07/22 08:00

Sample Depth: 0-6"

Surrogate	%Recovery Qualifi	er Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125	70 - 130	09/07/22 16:02	09/09/22 10:06	1
1,4-Difluorobenzene (Surr)	114	70 - 130	09/07/22 16:02	09/09/22 10:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			09/09/22 14:38	1

Method: 8015 NM - Diesel Range Organics (DRO) (

Analyte	Result Qual	lifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			09/09/22 10:04	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		09/08/22 08:45	09/08/22 11:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		09/08/22 08:45	09/08/22 11:50	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		09/08/22 08:45	09/08/22 11:50	1
Total TPH	<49.9	U	49.9		mg/Kg		09/08/22 08:45	09/08/22 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	09/08/22 08:45	09/08/22 11:50	1
o-Terphenyl	94		70 - 130	09/08/22 08:45	09/08/22 11:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Chloride	19.7		5.02		mg/Kg				09/11/22 02:33	1

Client Sample ID: East

Date Collected: 09/06/22 10:40

Date Received: 09/07/22 08:00

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:32	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:32	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/07/22 16:02	09/09/22 10:32	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:32	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/07/22 16:02	09/09/22 10:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				09/07/22 16:02	09/09/22 10:32	1
1,4-Difluorobenzene (Surr)	99		70 - 130				09/07/22 16:02	09/09/22 10:32	1

Method: 1	Γotal Β	TEX - '	Total E	BTEX (Calculation

Method. Total DTEX - Total DTEX (Jaiculation							
Analyte	Result (Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	ma/Ka			09/09/22 14:38	1

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1

SDG: Eddy Co. NM

Client Sample ID: East

Date Collected: 09/06/22 10:40 Date Received: 09/07/22 08:00

Sample Depth: 0-6"

Lab Sample ID: 880-18878-3

Matrix: Solid

Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0		mg/Kg			09/09/22 10:04	
- Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		09/08/22 08:45	09/08/22 12:12	
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/08/22 08:45	09/08/22 12:12	
C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/08/22 08:45	09/08/22 12:12	
Total TPH	<50.0	U	50.0		mg/Kg		09/08/22 08:45	09/08/22 12:12	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	93		70 - 130				09/08/22 08:45	09/08/22 12:12	
o-Terphenyl	92		70 - 130				09/08/22 08:45	09/08/22 12:12	
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	10.6		5.03		mg/Kg			09/11/22 02:39	1

Client Sample ID: South Lab Sample ID: 880-18878-4 Matrix: Solid

Date Collected: 09/06/22 10:45 Date Received: 09/07/22 08:00

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:58	1
Toluene	< 0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:58	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		09/07/22 16:02	09/09/22 10:58	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		09/07/22 16:02	09/09/22 10:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		09/07/22 16:02	09/09/22 10:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				09/07/22 16:02	09/09/22 10:58	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/07/22 16:02	09/09/22 10:58	1
Method: Total BTEX - Total BTEX Analyte Total BTEX		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 09/09/22 14:38	
Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range	Result <0.00398 Organics (DR	U (GC)	0.00398		mg/Kg			09/09/22 14:38	1
Method: Total BTEX - Total BTEX Analyte Total BTEX	Result <0.00398 Organics (DR	O) (GC) Qualifier		MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac Dil Fac
Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte	Result <0.00398 Organics (DR) Result <49.8	O) (GC) Qualifier U RO) (GC) Qualifier	0.00398		mg/Kg Unit mg/Kg			09/09/22 14:38 Analyzed	1 Dil Fac
Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10	Result <0.00398 Organics (DR) Result <49.8 ge Organics (DI) Result <49.8	Qualifier U RO) (GC) Qualifier U Qualifier U	0.00398 RL 49.8 RL 49.8	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 09/08/22 08:45	09/09/22 14:38 Analyzed 09/09/22 10:04 Analyzed 09/08/22 12:33	Dil Fac
Method: Total BTEX - Total BTEX Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Result <0.00398 Organics (DR) Result <49.8 ge Organics (DI) Result	Qualifier U RO) (GC) Qualifier U Qualifier U	0.00398 RL 49.8	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	09/09/22 14:38 Analyzed 09/09/22 10:04 Analyzed	Dil Fac

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1

SDG: Eddy Co. NM

Client Sample ID: South

Lab Sample ID: 880-18878-4

Date Collected: 09/06/22 10:45 Date Received: 09/07/22 08:00 Matrix: Solid

Sample Depth: 0-6"

Method: 8015B NM - Die	sei Range Organics (Di	RO) (GC) (C	ontinuea)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg		09/08/22 08:45	09/08/22 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				09/08/22 08:45	09/08/22 12:33	1
o-Terphenyl	88		70 - 130				09/08/22 08:45	09/08/22 12:33	1
Method: 300.0 - Anions,	Ion Chromatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.4		5.00		mg/Kg			09/11/22 02:44	

Client Sample ID: West Lab Sample ID: 880-18878-5

Date Collected: 09/06/22 10:50 Matrix: Solid

Date Received: 09/07/22 08:00

Sample Depth: 0-6"

	D 14	O II.C	D1	MDI	1114		Danie and d	A I	D:: F
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201		mg/Kg		09/07/22 16:02	09/09/22 11:24	1
Toluene	<0.00201		0.00201		mg/Kg		09/07/22 16:02	09/09/22 11:24	1
Ethylbenzene	<0.00201		0.00201		mg/Kg		09/07/22 16:02	09/09/22 11:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		09/07/22 16:02	09/09/22 11:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		09/07/22 16:02	09/09/22 11:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		09/07/22 16:02	09/09/22 11:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				09/07/22 16:02	09/09/22 11:24	1
1,4-Difluorobenzene (Surr)	105		70 - 130				09/07/22 16:02	09/09/22 11:24	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			09/09/22 14:38	1
Method: 8015 NM - Diesel Range									
Analyte Total TPH	•	Qualifier	RL 49.8	MDL		<u>D</u>	Prepared	Analyzed 09/09/22 10:04	Dil Fac
Analyte Total TPH	Result <49.8	Qualifier U		MDL	Unit mg/Kg	<u>D</u>	Prepared		
Analyte Total TPH : Method: 8015B NM - Diesel Rang	Result <49.8	Qualifier U	49.8		mg/Kg		<u> </u>	09/09/22 10:04	1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	Result <49.8 ge Organics (D Result	Qualifier U RO) (GC) Qualifier	49.8 RL	MDL	mg/Kg	<u>D</u>	Prepared	09/09/22 10:04 Analyzed	1 Dil Fac
Analyte Total TPH : Method: 8015B NM - Diesel Rang	Result <49.8	Qualifier U RO) (GC) Qualifier	49.8		mg/Kg		<u> </u>	09/09/22 10:04	1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <49.8 ge Organics (D Result	Qualifier U RO) (GC) Qualifier U	49.8 RL		mg/Kg		Prepared	09/09/22 10:04 Analyzed	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U RO) (GC) Qualifier U	49.8 RL 49.8 49.8		mg/Kg Unit mg/Kg		Prepared 09/08/22 08:45	09/09/22 10:04 Analyzed 09/08/22 12:55 09/08/22 12:55	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 ge Organics (D Result <49.8	Qualifier U RO) (GC) Qualifier U	49.8 RL 49.8		mg/Kg Unit mg/Kg		Prepared 09/08/22 08:45	09/09/22 10:04 Analyzed 09/08/22 12:55	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U RO) (GC) Qualifier U U	49.8 RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 09/08/22 08:45	09/09/22 10:04 Analyzed 09/08/22 12:55 09/08/22 12:55	1 Dil Fac 1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U RO) (GC) Qualifier U U U	49.8 RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/08/22 08:45 09/08/22 08:45	09/09/22 10:04 Analyzed 09/08/22 12:55 09/08/22 12:55	1 Dil Fac 1 1 1 1 1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result	Qualifier U RO) (GC) Qualifier U U U	49.8 49.8 49.8 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 09/08/22 08:45 09/08/22 08:45 09/08/22 08:45 09/08/22 08:45	Analyzed 09/08/22 12:55 09/08/22 12:55 09/08/22 12:55 09/08/22 12:55	1 Dil Fac 1 1 1

Client: Fasken Oil and Ranch Job ID: 880-18878-1 Project/Site: El Paso Fed #3 SDG: Eddy Co. NM

Lab Sample ID: 880-18878-5

Client Sample ID: West Date Collected: 09/06/22 10:50 Matrix: Solid

Sample Depth: 0-6"

Date Received: 09/07/22 08:00

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.0		4.99		mg/Kg			09/11/22 02:48	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3

SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-18878-1	SI	75	132 S1+	
880-18878-2	North	125	114	
880-18878-3	East	118	99	
880-18878-4	South	119	117	
880-18878-5	West	132 S1+	105	
890-2858-A-1-F MS	Matrix Spike	89	115	
890-2858-A-1-G MSD	Matrix Spike Duplicate	127	83	
LCS 880-33944/1-A	Lab Control Sample	91	78	
LCSD 880-33944/2-A	Lab Control Sample Dup	111	76	
MB 880-33944/5-A	Method Blank	80	74	
MB 880-33982/8	Method Blank	70	81	
Surrogate Legend				

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percer
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-18878-1	SI	108	107	
880-18878-1 MS	SI	104	89	
880-18878-1 MSD	SI	99	86	
880-18878-2	North	96	94	
880-18878-3	East	93	92	
880-18878-4	South	90	88	
880-18878-5	West	90	89	
LCS 880-33979/2-A	Lab Control Sample	162 S1+	156 S1+	
LCSD 880-33979/3-A	Lab Control Sample Dup	140 S1+	137 S1+	
MB 880-33979/1-A	Method Blank	101	100	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-33944/5-A

Lab Sample ID: LCS 880-33944/1-A

Matrix: Solid Analysis Batch: 33982 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33944

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 01:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 01:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 01:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		09/07/22 16:02	09/09/22 01:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		09/07/22 16:02	09/09/22 01:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		09/07/22 16:02	09/09/22 01:49	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	09/07/22 16:02	09/09/22 01:49	1
1,4-Difluorobenzene (Surr)	74		70 - 130	09/07/22 16:02	09/09/22 01:49	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 33982 Prep Batch: 33944 LCS LCS Spike Added Result Qualifier Unit %Rec Limits

Analyte Benzene 0.100 0.08825 mg/Kg 88 70 - 130 Toluene 0.100 0.1024 mg/Kg 102 70 - 130 0.100 0.1040 104 Ethylbenzene mg/Kg 70 - 130 0.200 0.2047 102 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.09568 70 - 130 o-Xylene mg/Kg 96

LCS LCS

Surrogate	%Recovery (Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
1,4-Difluorobenzene (Surr)	78		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 33982

Lab Sample ID: LCSD 880-33944/2-A

Prep Type: Total/NA Prep Batch: 33944

	Spike	LCSD I	LCSD				%Rec		RPD
Analyte	Added	Result (Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	17	35
Toluene	0.100	0.1068		mg/Kg		107	70 - 130	4	35
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2095		mg/Kg		105	70 - 130	2	35
o-Xylene	0.100	0.1027		mg/Kg		103	70 - 130	7	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1,4-Difluorobenzene (Surr)	76	70 - 130

Lab Sample ID: 890-2858-A-1-F MS

Matrix: Solid

Analysis Batch: 33982

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 33944

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F2 F1	0.0998	0.03455	F1	mg/Kg	_	35	70 - 130	
Toluene	< 0.00200	U F2 F1	0.0998	0.03528	F1	mg/Kg		35	70 - 130	

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Released to Imaging: 9/11/2023 2:07:07 PM

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2858-A-1-F MS

Matrix: Solid

Analysis Batch: 33982

Sample Sample

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.03343	F1	mg/Kg		33	70 - 130	
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.07001	F1	mg/Kg		35	70 - 130	
o-Xylene	<0.00200	U F2 F1	0.0998	0.03721	F1	mg/Kg		37	70 - 130	
	MS	MS								

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 890-2858-A-1-G MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid
Analysis Batch: 33982

Prep Batch: 33944

Prep Batch: 33944

Prep Batch: 33944

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.100	0.09876	F2	mg/Kg		99	70 - 130	96	35
Toluene	<0.00200	U F2 F1	0.100	0.1023	F2	mg/Kg		102	70 - 130	97	35
Ethylbenzene	<0.00200	U F2 F1	0.100	0.09731	F2	mg/Kg		97	70 - 130	98	35
m-Xylene & p-Xylene	<0.00399	U F2 F1	0.200	0.1927	F2	mg/Kg		96	70 - 130	93	35
o-Xylene	<0.00200	U F2 F1	0.100	0.09421	F2	mg/Kg		94	70 - 130	87	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: MB 880-33982/8

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 33982

MB MB Result Qualifier Analyte MDL Unit Prepared Analyzed Dil Fac RL D Benzene <0.00200 U 0.00200 mg/Kg 09/08/22 11:40 Toluene <0.00200 U 0.00200 mg/Kg 09/08/22 11:40 Ethylbenzene <0.00200 U 0.00200 mg/Kg 09/08/22 11:40 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 09/08/22 11:40 <0.00200 U 0.00200 09/08/22 11:40 o-Xylene mg/Kg <0.00400 U 0.00400 09/08/22 11:40 Xylenes, Total mg/Kg

	MB I	МВ				
Surrogate	%Recovery (Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130		09/08/22 11:40	1
1,4-Difluorobenzene (Surr)	81		70 - 130		09/08/22 11:40	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-33979/1-A

Matrix: Solid

Analysis Batch: 33970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 33979

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Far

 Gasoline Range Organics
 <50.0</td>
 U
 50.0
 mg/Kg
 09/08/22 08:45
 09/08/22 09:42
 09/08/22 09:42

(GRO)-C6-C10

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1

SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-33979/1-A

Matrix: Solid

Analysis Batch: 33970

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 33979

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		09/08/22 08:45	09/08/22 09:42	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		09/08/22 08:45	09/08/22 09:42	1
Total TPH	<50.0	U	50.0		mg/Kg		09/08/22 08:45	09/08/22 09:42	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	09/08/22 08:45	09/08/22 09:42	1
o-Terphenyl	100		70 - 130	09/08/22 08:45	09/08/22 09:42	1

Lab Sample ID: LCS 880-33979/2-A

Matrix: Solid

Analysis Batch: 33970

Client Sa	ample ID:	Lab	Control	Sample
		_	_	

Prep Type: Total/NA Prep Batch: 33979

LCS LCS Spike %Rec Analyte Added Result Qualifier Limits Unit %Rec Gasoline Range Organics 1000 907.0 mg/Kg 91 70 - 130 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1076 mg/Kg 108 70 - 130

C10-C28)

	LUS	LUS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	162	S1+	70 - 130
o-Terphenyl	156	S1+	70 - 130

Lab Sample ID: LCSD 880-33979/3-A

Matrix: Solid

Analysis Batch: 33970

Client Sample	ID: I ah	Control	Sample	Dun

Prep Type: Total/NA Prep Batch: 33979

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	869.4		mg/Kg		87	70 - 130	4	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	989.2		mg/Kg		99	70 - 130	8	20
C10-C28)									

	LUSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	137	S1+	70 - 130

%Recovery Qualifier

104

Lab Sample ID: 880-18878-1 MS

Matrix: Solid

Surrogate

1-Chlorooctane

Analysis Batch: 33970

Client	Sample	ID: SI

Prep Type: Total/NA Prep Batch: 33979

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	778.4		mg/Kg		75	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	1112		mg/Kg		109	70 - 130	
	MS	MS								

Limits

70 - 130

Job ID: 880-18878-1

SDG: Eddy Co. NM

Project/Site: El Paso Fed #3

Lab Sample ID: 880-18878-1 MS

Client: Fasken Oil and Ranch

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Analysis Batch: 33970

Client Sample ID: SI Prep Type: Total/NA Prep Batch: 33979

MS MS

Surrogate %Recovery Qualifier Limits o-Terphenyl 89 70 - 130

Lab Sample ID: 880-18878-1 MSD

Matrix: Solid

Analysis Batch: 33970

Client Sample ID: SI Prep Type: Total/NA

Prep Batch: 33979

Spike MSD MSD Sample Sample %Rec Result Qualifier Analyte Result Qualifier Added Unit %Rec Limits RPD Limit Gasoline Range Organics <50.0 U 996 739.8 mg/Kg 72 70 - 130 5 20 (GRO)-C6-C10 996 Diesel Range Organics (Over <50.0 U 1068 mg/Kg 105 70 - 130

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	86		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-33932/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 34092

мв мв

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 09/11/22 02:04 mg/Kg

Lab Sample ID: LCS 880-33932/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 34092

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier Un	it D	%Rec	Limits	
Chloride	250	261.6	mg	J/Kg	105	90 - 110	

Lab Sample ID: LCSD 880-33932/3-A

Matrix: Solid

Analysis Batch: 34092

Spi	re LCSD	LCSD				%Rec		RPD
Analyte Add	ed Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	50 262 6		ma/Ka	_	105	90 - 110		20

Lab Sample ID: 880-18878-1 MS

Matrix: Solid

Analysis Batch: 34092

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	138	F1	250	427.3	F1	mg/Kg		116	90 - 110	

Eurofins Midland

Prep Type: Soluble

Client Sample ID: SI

Prep Type: Soluble

Client Sample ID: Lab Control Sample Dup

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-18878-1 MSD

Matrix: Solid

Client Sample ID: SI
Prep Type: Soluble

Analysis Batch: 34092

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	138	F1	250	427.8	F1	mg/Kg		116	90 - 110	0	20

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3

SDG: Eddy Co. NM

GC VOA

Prep Batch: 33944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-1	SI	Total/NA	Solid	5035	
880-18878-2	North	Total/NA	Solid	5035	
880-18878-3	East	Total/NA	Solid	5035	
880-18878-4	South	Total/NA	Solid	5035	
880-18878-5	West	Total/NA	Solid	5035	
MB 880-33944/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-33944/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-33944/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2858-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-2858-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 33982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-1	SI	Total/NA	Solid	8021B	33944
880-18878-2	North	Total/NA	Solid	8021B	33944
880-18878-3	East	Total/NA	Solid	8021B	33944
880-18878-4	South	Total/NA	Solid	8021B	33944
880-18878-5	West	Total/NA	Solid	8021B	33944
MB 880-33944/5-A	Method Blank	Total/NA	Solid	8021B	33944
MB 880-33982/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-33944/1-A	Lab Control Sample	Total/NA	Solid	8021B	33944
LCSD 880-33944/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	33944
890-2858-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	33944
890-2858-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	33944

Analysis Batch: 34119

Lab Sample ID 880-18878-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method Total BTEX	Prep Batch
880-18878-2	North	Total/NA	Solid	Total BTEX	
880-18878-3	East	Total/NA	Solid	Total BTEX	
880-18878-4	South	Total/NA	Solid	Total BTEX	
880-18878-5	West	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 33970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-1	SI	Total/NA	Solid	8015B NM	33979
880-18878-2	North	Total/NA	Solid	8015B NM	33979
880-18878-3	East	Total/NA	Solid	8015B NM	33979
880-18878-4	South	Total/NA	Solid	8015B NM	33979
880-18878-5	West	Total/NA	Solid	8015B NM	33979
MB 880-33979/1-A	Method Blank	Total/NA	Solid	8015B NM	33979
LCS 880-33979/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	33979
LCSD 880-33979/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	33979
880-18878-1 MS	SI	Total/NA	Solid	8015B NM	33979
880-18878-1 MSD	SI	Total/NA	Solid	8015B NM	33979

Prep Batch: 33979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-1	SI	Total/NA	Solid	8015NM Prep	

Eurofins Midland

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3
Job ID: 880-18878-1
SDG: Eddy Co. NM

GC Semi VOA (Continued)

Prep Batch: 33979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-2	North	Total/NA	Solid	8015NM Prep	
880-18878-3	East	Total/NA	Solid	8015NM Prep	
880-18878-4	South	Total/NA	Solid	8015NM Prep	
880-18878-5	West	Total/NA	Solid	8015NM Prep	
MB 880-33979/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-33979/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-33979/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-18878-1 MS	SI	Total/NA	Solid	8015NM Prep	
880-18878-1 MSD	SI	Total/NA	Solid	8015NM Prep	

Analysis Batch: 34070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-1	SI	Total/NA	Solid	8015 NM	
880-18878-2	North	Total/NA	Solid	8015 NM	
880-18878-3	East	Total/NA	Solid	8015 NM	
880-18878-4	South	Total/NA	Solid	8015 NM	
880-18878-5	West	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 33932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-1	SI	Soluble	Solid	DI Leach	_
880-18878-2	North	Soluble	Solid	DI Leach	
880-18878-3	East	Soluble	Solid	DI Leach	
880-18878-4	South	Soluble	Solid	DI Leach	
880-18878-5	West	Soluble	Solid	DI Leach	
MB 880-33932/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-33932/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-33932/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-18878-1 MS	SI	Soluble	Solid	DI Leach	
880-18878-1 MSD	SI	Soluble	Solid	DI Leach	

Analysis Batch: 34092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-18878-1	SI	Soluble	Solid	300.0	33932
880-18878-2	North	Soluble	Solid	300.0	33932
880-18878-3	East	Soluble	Solid	300.0	33932
880-18878-4	South	Soluble	Solid	300.0	33932
880-18878-5	West	Soluble	Solid	300.0	33932
MB 880-33932/1-A	Method Blank	Soluble	Solid	300.0	33932
LCS 880-33932/2-A	Lab Control Sample	Soluble	Solid	300.0	33932
LCSD 880-33932/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	33932
880-18878-1 MS	SI	Soluble	Solid	300.0	33932
880-18878-1 MSD	SI	Soluble	Solid	300.0	33932

Eurofins Midland

Released to Imaging: 9/11/2023 2:07:07 PM

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Lab Chronicle

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1 SDG: Eddy Co. NM

Lab Sample ID: 880-18878-1

Matrix: Solid

Client Sample ID: SI

Date Collected: 09/06/22 10:30 Date Received: 09/07/22 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33944	09/07/22 16:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33982	09/09/22 09:40	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34119	09/09/22 14:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			34070	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	33979	09/08/22 08:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 10:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33932	09/07/22 13:21	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34092	09/11/22 02:19	CH	EET MID

Client Sample ID: North

Date Collected: 09/06/22 10:35

Lab Sample ID: 880-18878-2

Matrix: Solid

Date Received: 09/07/22 08:00

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 33944 Total/NA 5.01 g 5 mL 09/07/22 16:02 MR EET MID Total/NA 8021B 5 mL 33982 09/09/22 10:06 **EET MID** Analysis 1 5 mL MR Total/NA Total BTEX 34119 09/09/22 14:38 Analysis SM **EET MID** 1 Total/NA Analysis 8015 NM 34070 09/09/22 10:04 SM **EET MID** Total/NA 33979 Prep 8015NM Prep 10.03 g 10 mL 09/08/22 08:45 DM EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 33970 09/08/22 11:50 SM **EET MID** Soluble 09/07/22 13:21 Leach DI Leach 4.98 g 50 mL 33932 SMC **EET MID** Soluble Analysis 300.0 50 mL 50 mL 34092 09/11/22 02:33 СН **EET MID**

Client Sample ID: East

Date Collected: 09/06/22 10:40

Date Received: 09/07/22 08:00

Lab Sample ID: 880-18878-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	33944	09/07/22 16:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33982	09/09/22 10:32	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34119	09/09/22 14:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			34070	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	33979	09/08/22 08:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 12:12	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	33932	09/07/22 13:21	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34092	09/11/22 02:39	CH	EET MID

Client Sample ID: South

Lab Sample ID: 880-18878-4 Date Collected: 09/06/22 10:45 Date Received: 09/07/22 08:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	33944	09/07/22 16:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33982	09/09/22 10:58	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34119	09/09/22 14:38	SM	EET MID

Eurofins Midland

Matrix: Solid

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1

SDG: Eddy Co. NM

Lab Sample ID: 880-18878-4

Matrix: Solid

Client Sample ID: South Date Collected: 09/06/22 10:45 Date Received: 09/07/22 08:00

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 8015 NM 34070 Analysis 09/09/22 10:04 SM EET MID Total/NA Prep 8015NM Prep 10.04 g 10 mL 33979 09/08/22 08:45 DM **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 33970 09/08/22 12:33 SM EET MID 50 mL 33932 09/07/22 13:21 SMC EET MID Soluble Leach DI Leach 5 g 300.0 34092 09/11/22 02:44 Soluble Analysis 1 50 mL 50 mL СН EET MID

Lab Sample ID: 880-18878-5

Matrix: Solid

Date Collected: 09/06/22 10:50 Date Received: 09/07/22 08:00

Client Sample ID: West

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	33944	09/07/22 16:02	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	33982	09/09/22 11:24	MR	EET MID
Total/NA	Analysis	Total BTEX		1			34119	09/09/22 14:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			34070	09/09/22 10:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	33979	09/08/22 08:45	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	33970	09/08/22 12:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	33932	09/07/22 13:21	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	34092	09/11/22 02:48	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso Fed #3

Job ID: 880-18878-1
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-24	06-30-23
The following analytes the agency does not of	• •	ut the laboratory is not certif	ed by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	TILITOU	
OU IO INIVI		Solid	Total TPH	
8015B NM	8015NM Prep	Solid	Total TPH	

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3 Job ID: 880-18878-1 SDG: Eddy Co. NM

SDG: Eddy Co. NM	

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso Fed #3

Job ID: 880-18878-1

SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-18878-1	SI	Solid	09/06/22 10:30	09/07/22 08:00	0-6"
880-18878-2	North	Solid	09/06/22 10:35	09/07/22 08:00	0-6"
880-18878-3	East	Solid	09/06/22 10:40	09/07/22 08:00	0-6"
880-18878-4	South	Solid	09/06/22 10:45	09/07/22 08:00	0-6"
880-18878-5	West	Solid	09/06/22 10:50	09/07/22 08:00	0-6"

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs NM (575) 392 7550 Carlsbad NM (575) 998-3199

Xerco

Work Order No:

				***************************************			***************************************				
Project Manager Gr	Grant Huckabay			Bill to (if different)	(- The second		Work Order Comments	Comments	
Company Name Fa	Fasken Oil and Ranch			Company Name	4.			Program	UST/PST PRP Brow	Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐	
Address. 61	6101 Holiday Hill Road			Address.				State of Project	Project		
City, State ZIP MI	Midland TX 79707			City, State ZIP				Reporting	Reporting Level II Clevel III PST/UST	T/UST ☐ TRRP ☐ Level IV ☐	
Phone 43	432-687-1777		Email	granth@forl com / addisong@forl.com	om / addis	ong@forl.co	E	Deliverables	oles EDD	T Other	
Project Name:	EL PASO FED #3	3	Tur	Turn Around			ANALYSIS	ANALYSIS REQUEST		Preservative Codes	
Project Number			Routine	Rush	Pres. Code					None NO Di Water H ₂ O	ó
Project Location	EDDY 60 THM		Due Date	3 DAY						Cool Cool MeOH Me	
Sampler's Name	Addison Guelker	ker	TAT starts the	TAT starts the day received by							
PO#:			the lab if rec	eived by 4 30pm	SJ					H ₂ SO ₄ H ₂ NaOH Na	
SAMPLE RECEIPT	Temp Blank	Yes No	Wet Ice.	ON CO	etei					н.РО, НР	
Samples Received Intact:		Thermometer ID	٥	408	men					NaHSO ₂ NABIS	
Cooler Custody Seals.	Yes No (A)A	Correction Factor	ctor.	44	БЧ					Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals.	Yes No (Ny)	Temperature Reading	Reading	3.6						Zn Acetate+NaOH Zn	
Total Containers.	15	Corrected Temperature	nperature	2,8		WS	8120			NaOH+Ascorbic Acid SAPC	
Sample Identification	ication Matrix	Date Sampled	Time	Depth Grab/	C # O	.bH 804 :С	31EX 80			Sample Comments	
5	S	9/6/22	(0:30	9 9 0	-	3	×				
NOPTH	S	22/9/16	10:35	و د	× -	>	×			•	
EAST	S	22/9/6	ah, al	-	× -	×	. 🗴				
Sport	S	9/6/22	5h, 0!	Oe_	× -	×	×				Π
WEST	S	9/6/22	05 01	9 ,9-0	. ×	×	×				
	S		***************************************								
	S										Τ
	S								880-18878 Chain of Custody	f Custody	
	S									,	
	S										
Total 200.7 / 6010	0 200.8 / 6020:	8R	BRCRA 13PF	13PPM Texas 11		Al Sb As Ba Be B Cd	Cd Ca Cr Co Cu Fe Pb	Pb Mg Mn Mo Ni K	Se Ag	SiO ₂ Na Sr Ti Sn U V Zn	
Circle Method(s) and Metal(s) to be analyzed	d Metal(s) to be analy	zed	TCLP / SPI	PLP 6010 8RCRA		Sb As Ba Be	Cd Cr Co Cu Pb Mn Mo Ni			1631/245 1/7470 /7471	
Notice Signature of this do	cument and relinquishment	of samples consti	tutes a valid pur	chase order from c	lient compan	y to Eurofins Xen	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	tors. It assigns star	ndard terms and conditions		
of Eurofins Xenco. A minim	will be liable only for the colum charge of \$85.00 will be	st of samples and applied to each p	snall not assum	e any responsibility irge of \$5 for each	ror any loss sample subm	es or expenses in tted to Eurofins)	icurred by the client if such los (enco, but not analyzed. These	ses are due to circu terms will be enforc	or service. Euronns Aenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated		
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Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-18878-1

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 18878 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/20/2023 11:39:49 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25935-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/20/2023 11:39:49 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440 39:49 AM

Client: Fasken Oil and Ranch Laboratory Job ID: 880-25935-2 Project/Site: El Paso FED #3

SDG: Eddy Co. NM

Table of Contents

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25935-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Qualifiers

GC	VOA
Qua	lifier

*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Qualifier Description

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive

QC **Quality Control RER** Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25935-2
SDG: Eddy Co. NM

Job ID: 880-25935-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25935-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S1 (880-25935-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48726 and analytical batch 880-48707 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: S1 (880-25935-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S1 (880-25935-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S1 (880-25935-1), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25935-2 SDG: Eddy Co. NM

Lab Sample ID: 880-25935-1

Matrix: Solid

Date Received: 03/14/23 16:40 Sample Depth: 0-6"

Client Sample ID: S1

Date Collected: 03/13/23 09:40

Analyte	Result	ounds (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/16/23 09:45	03/17/23 06:26	
Toluene	<0.00198	U	0.00198		mg/Kg		03/16/23 09:45	03/17/23 06:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/16/23 09:45	03/17/23 06:26	1
m-Xylene & p-Xylene	<0.00396	U *+	0.00396		mg/Kg		03/16/23 09:45	03/17/23 06:26	1
o-Xylene	<0.00198	U *+	0.00198		mg/Kg		03/16/23 09:45	03/17/23 06:26	1
Xylenes, Total	<0.00396	U *+	0.00396		mg/Kg		03/16/23 09:45	03/17/23 06:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				03/16/23 09:45	03/17/23 06:26	1
1,4-Difluorobenzene (Surr)	68	S1-	70 - 130				03/16/23 09:45	03/17/23 06:26	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
- Method: SW846 8015 NM - Diese		, , ,	GC)						
Analyte	Deculé	OIIEI	•						
Allalyto	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		RL 49.9	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 03/16/23 14:26	
<u> </u>	<49.9	U	49.9	MDL		<u>D</u>	Prepared		
Total TPH Method: SW846 8015B NM - Dies	<49.9	U	49.9			<u>D</u> 	Prepared Prepared		Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte	<49.9	nics (DRO) Qualifier	49.9 (GC)		mg/Kg		· ·	03/16/23 14:26	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result	Unics (DRO) Qualifier	49.9 (GC)		mg/Kg		Prepared	03/16/23 14:26 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.9 sel Range Orga Result <49.9	Unics (DRO) Qualifier U	(GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:01	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	Unics (DRO) Qualifier U	(GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:01 03/16/23 00:01	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 sel Range Orga Result <49.9 <49.9	Unics (DRO) Qualifier U	49.9 (GC) RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:01 03/16/23 00:01	Dil Face 1 1 1 1 Dil Face
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 <49.9 **Recovery 117	Unics (DRO) Qualifier U	49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41 03/15/23 11:41 Prepared	03/16/23 14:26 Analyzed 03/16/23 00:01 03/16/23 00:01 03/16/23 00:01 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 sel Range Orga Result <49.9 <49.9 <49.9 *Recovery 117 137	U nics (DRO) Qualifier U U Qualifier S1+	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41 03/15/23 11:41 Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:01 03/16/23 00:01 Analyzed 03/16/23 00:01	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	49.9 sel Range Orga Result <49.9 <49.9 %Recovery 117 137 Chromatograp	U nics (DRO) Qualifier U U Qualifier S1+	49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41 03/15/23 11:41 Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:01 03/16/23 00:01 Analyzed 03/16/23 00:01	1

DFBZ = 1,4-Difluorobenzene (Surr)

OTPH = o-Terphenyl

Surrogate Summary

Client: Fasken Oil and Ranch Job ID: 880-25935-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec	covery (Acce
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
880-25935-1	S1	83	68 S1-		
890-4249-A-46-C MS	Matrix Spike	105	98		
890-4249-A-46-D MSD	Matrix Spike Duplicate	70	78		
LCS 880-48726/1-A	Lab Control Sample	117	112		
LCSD 880-48726/2-A	Lab Control Sample Dup	114	89		
MB 880-48712/5-A	Method Blank	70	89		
MB 880-48726/5-A	Method Blank	76	83		
Surrogate Legend					

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Prep Type: Total/NA **Matrix: Solid**

				Percent Surrogate Recovery (Acceptance Limits
		1001	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
30-25935-1	S1	117	137 S1+	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
80-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
CS 880-48660/2-A	Lab Control Sample	104	128	
CSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				

Client: Fasken Oil and Ranch Job ID: 880-25935-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48712/5-A

Matrix: Solid Analysis Batch: 48707 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48712

1

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:01	03/16/23 11:55	
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:01	03/16/23 11:55	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:01	03/16/23 11:55	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/23 09:01	03/16/23 11:55	
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:01	03/16/23 11:55	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/23 09:01	03/16/23 11:55	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	70	70 - 130	03/16/23 09:01	03/16/23 11:55	1
1,4-Difluorobenzene (Surr)	89	70 - 130	03/16/23 09:01	03/16/23 11:55	1

Lab Sample ID: MB 880-48726/5-A

Client Sample ID: Method Blank

Matrix: Solid				Prep Type:	Total/NA			
Analysis Batch: 48707							Prep Bato	:h: 48726
	MB	MB						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:45	03/16/23 22:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:45	03/16/23 22:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:45	03/16/23 22:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/23 09:45	03/16/23 22:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/23 09:45	03/16/23 22:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/23 09:45	03/16/23 22:54	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	03/16/23 09:4	03/16/23 22:54	1
1,4-Difluorobenzene (Surr)	83		70 - 130	03/16/23 09:4	03/16/23 22:54	1

Lab Sample ID: LCS 880-48726/1-A

Matrix: Solid

Analysis Batch: 48707

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 48726

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09778		mg/Kg		98	70 - 130	
Toluene	0.100	0.1049		mg/Kg		105	70 - 130	
Ethylbenzene	0.100	0.1164		mg/Kg		116	70 - 130	
m-Xylene & p-Xylene	0.200	0.2626	*+	mg/Kg		131	70 - 130	
o-Xylene	0.100	0.1308	*+	mg/Kg		131	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1.4-Difluorobenzene (Surr)	112	70 - 130

Lab Sample ID: LCSD 880-48726/2-A

Matrix: Solid

Analysis Batch: 48707

Client Sample ID: Lab	Control Sample Dup
	Dron Type, Total/NA

Prep Type: Total/NA

Prep Batch: 48726

	Spike	LCSD LCSD				70Rec		KFD
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1038	mg/Kg		104	70 - 130	6	35

LCCD LCCD

Cnika

QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25935-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48726/2-A **Matrix: Solid**

Analysis Batch: 48707

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 48726

Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.1066		mg/Kg		107	70 - 130	2	35
0.100	0.1119		mg/Kg		112	70 - 130	4	35
0.200	0.2490		mg/Kg		124	70 - 130	5	35
0.100	0.1238		mg/Kg		124	70 - 130	6	35
	Added 0.100 0.100 0.200	Added Result 0.100 0.1066 0.100 0.1119 0.200 0.2490	Added Result Qualifier 0.100 0.1066 0.100 0.1119 0.200 0.2490	Added Result Qualifier Unit 0.100 0.1066 mg/Kg 0.100 0.1119 mg/Kg 0.200 0.2490 mg/Kg	Added Result Qualifier Unit D 0.100 0.1066 mg/Kg 0.100 0.1119 mg/Kg 0.200 0.2490 mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.1066 mg/Kg 107 0.100 0.1119 mg/Kg 112 0.200 0.2490 mg/Kg 124	Added Result Qualifier Unit D %Rec Limits 0.100 0.1066 mg/Kg 107 70 - 130 0.100 0.1119 mg/Kg 112 70 - 130 0.200 0.2490 mg/Kg 124 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.1066 mg/Kg 107 70 - 130 2 0.100 0.1119 mg/Kg 112 70 - 130 4 0.200 0.2490 mg/Kg 124 70 - 130 5

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: 890-4249-A-46-C MS

Matrix: Solid

Analysis Batch: 48707

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 48726

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1 F2	0.0996	0.06219	F1	mg/Kg		62	70 - 130	
Toluene	<0.00202	U F1 F2	0.0996	0.06361	F1	mg/Kg		64	70 - 130	
Ethylbenzene	<0.00202	U F1 F2	0.0996	0.06783	F1	mg/Kg		68	70 - 130	
m-Xylene & p-Xylene	<0.00403	U *+ F1 F2	0.199	0.1376	F1	mg/Kg		69	70 - 130	
o-Xylene	<0.00202	U *+ F1 F2	0.0996	0.06896	F1	mg/Kg		69	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1.4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-4249-A-46-D MSD

Matrix: Solid

Analysis Batch: 48707

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48726

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1 F2	0.0990	0.01740	F1 F2	mg/Kg		18	70 - 130	113	35
Toluene	<0.00202	U F1 F2	0.0990	0.02519	F1 F2	mg/Kg		25	70 - 130	87	35
Ethylbenzene	<0.00202	U F1 F2	0.0990	0.02310	F1 F2	mg/Kg		23	70 - 130	98	35
m-Xylene & p-Xylene	<0.00403	U *+ F1 F2	0.198	0.04442	F1 F2	mg/Kg		22	70 - 130	102	35
o-Xylene	<0.00202	U *+ F1 F2	0.0990	0.02433	F1 F2	mg/Kg		25	70 - 130	96	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	70	70 - 130
1,4-Difluorobenzene (Surr)	78	70 - 130

Job ID: 880-25935-2

03/15/23 11:41

SDG: Eddy Co. NM

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

MD MD

190 S1+

Lab Sample ID: MB 880-48660/1-A

Matrix: Solid Analysis Batch: 48633 Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 48660

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				03/15/23 11:41	03/15/23 19:59	

Lab Sample ID: LCS 880-48660/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

70 - 130

Analysis Batch: 48633

o-Terphenyl

Prep Type: Total/NA

03/15/23 19:59

Prep Batch: 48660

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	864.0		mg/Kg		86	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	936.4		mg/Kg		94	70 - 130	

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 104 70 - 130 o-Terphenyl 128 70 - 130

Lab Sample ID: LCSD 880-48660/3-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48660

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	939.1		mg/Kg		94	70 - 130	8	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	905.2		mg/Kg		91	70 - 130	3	20
C10-C28)									

LCSD LCSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 104 127 70 - 130 o-Terphenyl

Lab Sample ID: 880-25961-A-21-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA Prep Batch: 48660

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	998	1145		mg/Kg		110	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U F1	998	1327		mg/Kg		130	70 - 130	
C10-C28)										

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25935-2

SDG: Eddy Co. NM

Prep Batch: 48660

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25961-A-21-C MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 48633

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 48633 Prep Batch: 48660 RPD

Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <49.9 U 999 1219 117 70 - 1306 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 <49.9 U F1 1487 F1 mg/Kg 146 70 - 13011 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 138 S1+ 70 - 130 1-Chlorooctane 151 S1+ 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

MB MB

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			03/17/23 01:50	1

Lab Sample ID: LCS 880-48645/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Analysis Batch: 48689

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	272.8		mg/Kg		109	90 - 110	

Lab Sample ID: LCSD 880-48645/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 48689

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 273.5 109 90 - 110 20 mg/Kg

Lab Sample ID: 880-25935-1 MS **Client Sample ID: S1 Matrix: Solid**

Analysis Batch: 48689

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 12.7 F1 252 325.2 F1 mg/Kg 124 90 - 110

Eurofins Midland

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: Fasken Oil and Ranch

Project/Site: El Paso FED #3

Job ID: 880-25935-2

SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-25935-1 MSD

Matrix: Solid

Client Sample ID: S1

Prep Type: Soluble

Analysis Batch: 48689

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	12.7	F1	252	327.1	F1	mg/Kg		125	90 - 110	1	20

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25935-2
SDG: Eddy Co. NM

GC VOA

Analysis Batch: 48707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-1	S1	Total/NA	Solid	8021B	48726
MB 880-48712/5-A	Method Blank	Total/NA	Solid	8021B	48712
MB 880-48726/5-A	Method Blank	Total/NA	Solid	8021B	48726
LCS 880-48726/1-A	Lab Control Sample	Total/NA	Solid	8021B	48726
LCSD 880-48726/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48726
890-4249-A-46-C MS	Matrix Spike	Total/NA	Solid	8021B	48726
890-4249-A-46-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48726

Prep Batch: 48712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48712/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-1	S1	Total/NA	Solid	5035	
MB 880-48726/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48726/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48726/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4249-A-46-C MS	Matrix Spike	Total/NA	Solid	5035	
890-4249-A-46-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-1	S1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID 880-25935-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID 880-25935-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-1	S1	Total/NA	Solid	8015 NM	

Eurofins Midland

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25935-2
SDG: Eddy Co. NM

HPLC/IC

Leach Batch: 48645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-1	S1	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25935-1 MS	S1	Soluble	Solid	DI Leach	
880-25935-1 MSD	S1	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-1	S1	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-1 MS	S1	Soluble	Solid	300.0	48645
880-25935-1 MSD	S1	Soluble	Solid	300.0	48645

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Lab Chronicle

Client: Fasken Oil and Ranch Job ID: 880-25935-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S1 Lab Sample ID: 880-25935-1

Date Collected: 03/13/23 09:40 Matrix: Solid Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	48726	03/16/23 09:45	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48707	03/17/23 06:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			48998	03/20/23 12:23	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48769	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 00:01	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 02:04	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25935-2
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pi	ogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-22-25	06-30-23
The fellowing analytes	and the street and the Alata manager to		and the college of the contraction of the contracti	
the agency does not of	• •	ut the laboratory is not certific	ed by the governing authority. This list ma	ay include analytes for
0 ,	• •	ut the laboratory is not certilion Matrix	ed by the governing authority. This list ma	ay include analytes for
the agency does not of	fer certification.	•	, , ,	ay include analytes for

Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Method

8021B

Total BTEX

8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Job ID: 880-25935-2

SDG: Eddy Co. NM

Protocol	Laboratory
SW846	EET MID
TAL SOP	EET MID
SW846	EET MID
SW846	EET MID

EET MID

TAL SO SW846 SW846 EPA EET MID SW846 **EET MID** SW846 EET MID

ASTM

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

Method Description

Total BTEX Calculation

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25935-2 SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25935-1	S1	Solid	03/13/23 09:40	03/14/23 16:40	0-6"

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City, State ZIP

Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

City State ZIP

Company Name Project Manager

Bill to (if different)

Company Name

State of Project

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Address

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296 Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Houston TX (281) 240-4200 Dallas TX (214) 902-0300

Work Order Commonts	www xenco com Page of	Work Order No: 35935

Phone 4:	432-288-5529		Email g	Email granth@forl com, Addisong@forl com	n, Add	ısong@for	com			Delive	Deliverables EDD	DD	ADa	ADaPT Other	her
Project Name	EL PASO FED	· #3	Turn Around	round					ANALYSIS RE	EQUEST				Preser	Preservative Codes
Project Number			Routine	X Rush	Pres.			-						None NO	DI Water: H ₂ O
Project Location	(- 0) KO43	N N N	Due Date 2	24 HR										Cool Cool	MeOH Me
Sampler's Name.	Addison Guelker	Suelker	TAT starts the day received by	day received by			<u></u>							HCL HC	HNO, HN
PO#:			the lab if received by 4 30pm	ved by 4 30pm	'S									H ₂ S0, H ₂	NaOH Na
SAMPLE RECEIPT	T Temp Blank	Yes No	Wet Ice /	(Second	eter									H,PO, HP	
Samples Received Intact			ter ID	700	ram									NaHSO, NABIS	\BIS
Cooler Custody Seals	Yes No 🗷	Yes No (N) Gorrection Factor	Factor	, 1	Pa			• •						Na ₂ S ₂ O ₃ NaSO ₃	3SO ₃
Sample Custody Seals		N/A Remperature Reading	re Reading (カグ										Zn Acetate+NaOH Zn	NaOH Zn
Total Containers		Corrected	Corrected Temperature	\n'			DE							NaOH+Asco	NaOH+Ascorbic Acid SAPC
Sample Identification		Matrix Date Sampled	Time Sampled	Depth Grab/ # of Comp Cont	# of Cont	TPH 801 BTEX 80	CHLOR							Samp	Sample Comments
15	S	3/13/23	a.40 (06,6		X	X							-	,
							_				_	880-25	935 Cha	880-25935 Chain of Custody	
		1 1200001			<u> </u>										
Total 200.7 / 6010	0 200.8 / 6020		8RCRA 13PP	13PPM Texas 11	Al Sb	Al Sb As Ba Be	e B Cd	d Ca Cr	Co Cu Fe Pb		Mn Mo I	Vı K Se	Ag SiO	Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn	'n∪∨Zn
Circle Method(s) and Metal(s) to be analyzed	d Metal(s) to be a	ınalyzed	TCLP / SPI	TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	RA S	b As Ba	Be Cd	Cr Co	Cu Pb Mn N		NI Se Ag TI U		Hg 163	Hg 1631 / 245 1 / 7470 / 7471	70 / 7471
Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors it assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	cument and relinquish will be liable only for th num charge of \$85 00 w	ment of samples co he cost of samples a vill be applied to eac	nstitutes a valid pu and shall not assum th project and a cha	rchase order from ne any responsibili arge of \$5 for each	client coa y for any sample s	npany to Euro losses or exp lubmitted to E	fins Xenco enses inco urofins Xe	o, its affiliate urred by the nco, but no	s and subcontrac client if such loss analyzed These	tors It assignes are due t terms will be	gns standar to circumsta enforced u	s It assigns standard terms and conditions are due to circumstances beyond the control ms will be enforced unless previously negotia	conditions d the contr busly negot	s ol iated.	
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Page	19	of	20

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch Job Number: 880-25935-2 SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25935 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/20/2023 3:44:01 PM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25936-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/20/2023 3:44:01 PM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440 2

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25936-2
SDG: Eddy Co. NM

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Sample Summary	17
Chain of Custody	18
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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25936-2
SDG: Eddy Co. NM

2

Qualifiers

GC VOA

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

F1 MS and/or MSD recovery exceeds control limits.

S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

Listed under the "D" column to designate that the result is reported on a dry weight bas

%R Percent Recovery

CFL Contains Free Liquid

CFU Colony Forming Unit

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Practical Quantitation
PRES Presumptive

QC Quality Control
RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25936-2
SDG: Eddy Co. NM

Job ID: 880-25936-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25936-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S2 (880-25936-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25936-2

SDG: Eddy Co. NM

Lab Sample ID: 880-25936-1

Matrix: Solid

Client Sample ID: S2 Date Collected: 03/13/23 09:50

Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/20/23 08:52	03/20/23 14:36	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/20/23 08:52	03/20/23 14:36	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/20/23 08:52	03/20/23 14:36	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/20/23 08:52	03/20/23 14:36	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/20/23 08:52	03/20/23 14:36	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/20/23 08:52	03/20/23 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				03/20/23 08:52	03/20/23 14:36	1
1,4-Difluorobenzene (Surr)	73		70 - 130				03/20/23 08:52	03/20/23 14:36	1
- Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/20/23 16:30	1
Method: SW846 8015 NM - Diese	l Pango Organ	ice (DBO) (CC)						
Analyte		Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9		49.9	MIDL	mg/Kg		Frepareu	03/16/23 14:26	Dil Fac
-	\49.9	U	49.9		mg/rxg			03/10/23 14.20	'
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 00:22	1
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 00:22	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 00:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/15/23 11:41	03/16/23 00:22	1
o-Terphenyl	126		70 - 130				03/15/23 11:41	03/16/23 00:22	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	le						
	D14	O	D.	ME	1114	_	Danie and	A II	D:: F-
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25936-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Reco
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25738-A-3-F MS	Matrix Spike	109	94	
880-25738-A-3-G MSD	Matrix Spike Duplicate	115	82	
880-25936-1	S2	77	73	
LCS 880-48951/1-A	Lab Control Sample	85	91	
LCSD 880-48951/2-A	Lab Control Sample Dup	83	109	
MB 880-48951/5-A	Method Blank	72	86	
Surrogate Legend				
BFB = 4-Bromofluorobenzene	(Surr)			
DFBZ = 1,4-Difluorobenzene	(Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25936-1	S2	104	126	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Fasken Oil and Ranch Job ID: 880-25936-2 Project/Site: El Paso FED #3

SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48951/5-A

Lab Sample ID: LCS 880-48951/1-A

Matrix: Solid

Analysis Batch: 48949

Matrix: Solid

Analysis Batch: 48949

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48951

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/20/23 08:52	03/20/23 12:12	1

MB MB

MD MD

Surrogate	%Recovery Qualifier	Limits	Prepare	d Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72	70 - 130	03/20/23 08	3:52 03/20/23 12:12	1
1,4-Difluorobenzene (Surr)	86	70 - 130	03/20/23 08	8:52 03/20/23 12:12	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48951

Prep Type: Total/NA

6

35

35

35

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1036 mg/Kg 104 70 - 130 Toluene 0.100 0.1035 mg/Kg 103 70 - 130 0.09340 Ethylbenzene 0.100 mg/Kg 93 70 - 130 0.200 0.1942 97 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 70 - 130 o-Xylene 0.09432 mg/Kg

LCS LCS

Surrogate	%Recovery Qu	ıalifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

70 - 130

70 - 130

88

91

Matrix: Solid

Lab Sample ID: LCSD 880-48951/2-A

Analysis Batch: 48949

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Prep Batch: 48951 LCSD LCSD RPD Spike %Rec Added Result Qualifier Unit %Rec Limits RPD Limit 0.100 0.1160 mg/Kg 116 70 - 130 11 35 0.100 0.09918 mg/Kg 99 70 - 130 4 35

mg/Kg

mg/Kg

mg/Kg

LCSD LCSD %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 83 70 - 130

109

Lab Sample ID: 880-25738-A-3-F MS

Matrix: Solid

Analysis Batch: 48949

1,4-Difluorobenzene (Surr)

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 48951

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0998	0.08500		mg/Kg		85	70 - 130	
Toluene	<0.00198	U	0.0998	0.08669		mg/Kg		87	70 - 130	

0.100

0.200

0.100

70 - 130

0.08763

0.1829

0.08907

QC Sample Results

Job ID: 880-25936-2 Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25738-A-3-F MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 48949

Prep Batch: 48951

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D <0.00198 U 0.0998 0.08637 87 70 - 130 Ethylbenzene mg/Kg m-Xylene & p-Xylene <0.00396 0.200 0.1844 mg/Kg 92 70 - 130 <0.00198 U 0.0998 0.08950 89 70 - 130 o-Xylene

%Rec

MS MS Qualifier %Recovery

mg/Kg

Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 70 - 130 94

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Analysis Batch: 48949

Matrix: Solid

Lab Sample ID: 880-25738-A-3-G MSD

Prep Batch: 48951

RPD %Rec RPD Limit Limits 97 70 - 130 13 35 97 70 - 130 12 35 92 70 - 130 7 35 35

Result Qualifier Analyte babbA Result Qualifier Unit Benzene <0.00198 U 0.100 0.09692 mg/Kg Toluene <0.00198 0.100 0.09739 mg/Kg Ethylbenzene <0.00198 0.100 0.09262 U mg/Kg m-Xylene & p-Xylene <0.00396 U 0.201 0.2046 mg/Kg 102 70 - 130 10 <0.00198 U 0.100 0.1048 70 - 130 o-Xylene mg/Kg 104 16 35

MSD MSD

Spike

MSD MSD

Sample Sample

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 48633

Matrix: Solid

Analysis Batch: 48633

мв мв

Prep Type: Total/NA Prep Batch: 48660

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Analyte <50.0 U 50.0 03/15/23 11:41 03/15/23 19:59 Gasoline Range Organics mg/Kg (GRO)-C6-C10 03/15/23 19:59 Diesel Range Organics (Over <50.0 U 50.0 03/15/23 11:41 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 03/15/23 11:41 03/15/23 19:59 mg/Kg

MB MB Limits %Recovery Qualifier Prepared Dil Fac Surrogate Analyzed 1-Chlorooctane 157 S1+ 70 - 130 03/15/23 11:41 03/15/23 19:59 190 S1+ 70 - 130 03/15/23 11:41 03/15/23 19:59 o-Terphenyl

Lab Sample ID: LCS 880-48660/2-A Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	864.0		mg/Kg		86	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	936.4		mg/Kg		94	70 - 130
C10-C28)							

Job ID: 880-25936-2

SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48660/2-A

Matrix: Solid

Analysis Batch: 48633

Client: Fasken Oil and Ranch

Project/Site: El Paso FED #3

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

LCS LCS

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 104
 70 - 130

 o-Terphenyl
 128
 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48660

Lab Sample ID: LCSD 880-48660/3-A Matrix: Solid

Lab Sample ID: 880-25961-A-21-C MS

Analysis Batch: 48633

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	939.1		mg/Kg		94	70 - 130	8	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	905.2		mg/Kg		91	70 - 130	3	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	127		70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48660

Sample Sample Spike MS MS Analyte Added Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 998 1145 mg/Kg 110 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 998 1327 mg/Kg 130 70 - 130

C10-C28)

Matrix: Solid

Analysis Batch: 48633

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 122
 70 - 130

 o-Terphenyl
 136
 S1+
 70 - 130

Lab Sample ID: 880-25961-A-21-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 48633

 The state of the state of
Prep Type: Total/NA
Prep Batch: 48660

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics <49.9 U 999 1219 20 mg/Kg 117 70 - 130 6 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 999 1487 F1 mg/Kg 146 70 - 130 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	138	S1+	70 - 130
o-Terphenyl	151	S1+	70 - 130

Eurofins Midland

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Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25936-2

SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A

Matrix: Solid

Analysis Batch: 48689

Client Sample ID: Method Blank

Prep Type: Soluble

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 03/17/23 01:50

Lab Sample ID: LCS 880-48645/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 272.8 mg/Kg 109 90 - 110

MB MB

Lab Sample ID: LCSD 880-48645/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 273.5 mg/Kg 109 90 - 110

Lab Sample ID: 880-25935-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48689

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 325.2 F1 Chloride 12.7 F1 252 124 90 - 110 mg/Kg

Lab Sample ID: 880-25935-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48689

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 12.7 F1 252 327.1 F1 mg/Kg 125 90 - 110 20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25936-2
SDG: Eddy Co. NM

GC VOA

Analysis Batch: 48949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25936-1	S2	Total/NA	Solid	8021B	48951
MB 880-48951/5-A	Method Blank	Total/NA	Solid	8021B	48951
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	8021B	48951
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48951
880-25738-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	48951
880-25738-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48951

Prep Batch: 48951

Lab Sample ID 880-25936-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
MB 880-48951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25738-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-25738-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25936-1	S2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID 880-25936-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25936-1	S2	Total/NA	Solid	8015NM Prep	
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25936-1	S2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

Г					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25936-1	S2	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25936-2
SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 48645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25936-1	S2	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

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Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25936-2
SDG: Eddy Co. NM

Client Sample ID: S2 Lab Sample ID: 880-25936-1

Date Collected: 03/13/23 09:50

Date Received: 03/14/23 16:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	48951	03/20/23 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48949	03/20/23 14:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49042	03/20/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48770	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 00:22	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 02:19	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Accreditation/Certification Summary

Client: Fasken Oil and Ranch Job ID: 880-25936-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, bu	it the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for y
the agency does not of	fer certification.	•	, , ,	.,
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte	.,
0 ,		Matrix Solid	, , ,	

Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25936-2

SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25936-2

SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25936-1	S2	Solid	03/13/23 09:50	03/14/23 16:40	0-6"

Care Constant

Xenco

City, State ZIP

Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

City State ZIP

Reporting Level II 🗌 Level III 🔲 PST/UST 📗 TRRP 🔲

Level IV

Deliverables EDD [

ADaPT []

State of Project

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

432-288-5529

Company Name Project Manager

Bill to (if different

Company Name

Address

Chain of Custody

Midland TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Houston TX (281) 240-4200 Dallas TX (214) 902-0300

Work Order No:	25934
www xenco com	Pageof

www xenco com

Phone 4	432-288-5529		Email	Email granth@forl com, Addisong@forl com	om, Ac	dison)@forl	com					Deliv	Deliverables EDD	S EDC		>	ADaPT 🗆		Other:		L
Project Name	EL PASO FI	Feo #3	Turi	Turn Around						₽	ANALYSIS RE		QUEST	7					Pre	serva	Preservative Codes	es
Project Number			Routine	X Rush	Pres.													Z	None NO	0	DI Water H ₂ O	yr H,∕0
Project Location E	ENDY CO TON NIM	2	Due Date	24 12															Cool Cool	<u>ő</u>	MeOH Me	≤
Sampler's Name	Addison	Addison Guelker	TAT starts th	TAT starts the day received by															HCL HC	`'	HNO ₃ HN	Ŧ
PO#			the lab if re	the lab if received by 4 30pm	rs														H ₂ S0 ₄ H ₂	2	NaOH Na	Na
SAMPLE RECEIPT	Temp Blank.	Yes	Wet ice	No Section	ete													T	H ₃ PO ₄ HP	₽		
Samples Received Intact:	(es)	No Thermo	Thermometer ID	201	ran														aHSO,	NaHSO, NABIS	S	
Cooler Custody Seals.	Yes No	(N/A) Correct	Correction Factor	7.30	Pa													7	la ₂ S ₂ O ₃	Na ₂ S ₂ O ₃ NaSO ₃	<u>ی</u>	
Sample Custody Seals	Yes No	N/A Tempe	/Temperature Reading	15.4															n Aceta	ate+Nat	Zn Acetate+NaOH Zn	
Total Containers		Correct	Corrected Temperature	1.3	·•	15M	021E	IDE										7	laOH+/	Ascorbi	NaOH+Ascorbic Acid SAPC	PC
Sample Identification		Matrix Sampled	e Time led Sampled	Depth Comp	# of Cont	TPH 80	BTEX 8	CHLOR											Sa	mple (Sample Comments	its
52		s 3/13/23	23 9 50	3 3.0	-	X	X	\perp	-			<u> </u>		$\dagger \dagger$					7	1		
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Total 200.7 / 6010	0 200.8 / 6020:	20:	8RCRA 13F	13PPM Texas 11 Al Sb As	Α	b As	Ва Ве	ω	Cd Ca	Cr Co	Cu	Cu Fe Pb	ĕ	Mn Mo Ni K Se Ag	o Z	Se		0 ₂ N	sr T	SIO ₂ Na Sr Tl Sn U	U V Zn	
Circle Method(s) and Metal(s) to be analyzed	d Metal(s) to be	analyzed	TCLP / S	TCLP / SPLP 6010 8RCRA		Sb As	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	3e Cd	င္ပင္	OC C	Pb N	n Mo	Z S	Nı Se Ag	TI U		Hg 1	531/2	45 1 /	Hg 1631/2451/7470/7471	/7471	
Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	cument and relinqui will be liable only fo num charge of \$85.00	shment of sample r the cost of samp 0 will be applied to	s constitutes a valid des and shall not ass deach project and a	purchase order from sume any responsib charge of \$5 for eac	n client o lity for a h sampl	ompany ny losse: submit	to Eurof s or expe ed to Eu	ns Xeno nses inc rofins X	o, its aff urred by anco, bu	liates ar the clie t not ana	d subco nt if sucl lyzed. Ti	ntractor 1 losses 1ese ter	s Itass are due ms will t	igns sta to circu e enforc	ndard te mstance ed unles	rms and s beyon s previc	condition the cou	หาง กาtrol potiated				
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Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25936-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25936 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/20/2023 3:44:34 PM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25937-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/20/2023 3:44:34 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25937-2
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25937-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Qualifiers

GC VOA Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

LOD

Cioccai	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)

LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

Limit of Detection (DoD/DOE)

ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

ND	Not Detected at the reporting limit (or MDL or EDL if shown)

	,
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25937-2
SDG: Eddy Co. NM

Job ID: 880-25937-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25937-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S3 (880-25937-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25937-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Lab Sample ID: 880-25937-1 Client Sample ID: S3

Date Collected: 03/13/23 10:00 Matrix: Solid Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 13:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 13:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 13:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/20/23 08:52	03/20/23 13:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 13:55	,
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/20/23 08:52	03/20/23 13:55	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	64	S1-	70 - 130				03/20/23 08:52	03/20/23 13:55	1
1,4-Difluorobenzene (Surr)	88		70 - 130				03/20/23 08:52	03/20/23 13:55	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			03/20/23 16:30	1
- Method: SW846 8015 NM - Dies	el Range Organ	ics (DRO) (GC)						
			5 0,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result <50.0			MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/16/23 14:26	Dil Fac
Total TPH	<50.0	U	50.0	MDL		<u>D</u>	Prepared		Dil Fac
Total TPH Method: SW846 8015B NM - Die	<50.0	U	50.0			<u>D</u> 	Prepared Prepared		Dil Fac
Total TPH Method: SW846 8015B NM - Dic Analyte Gasoline Range Organics	<50.0	nics (DRO) Qualifier	50.0 (GC)		mg/Kg			03/16/23 14:26	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 esel Range Orga Result	U nics (DRO) Qualifier U	50.0 (GC)		mg/Kg		Prepared	03/16/23 14:26 Analyzed	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 esel Range Orga Result <50.0	nics (DRO) Qualifier U	50.0 (GC) RL 50.0		mg/Kg Unit mg/Kg		Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:44	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 esel Range Orga Result <50.0 <50.0	Oualifier U	50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:44 03/16/23 00:44	1
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 esel Range Orga Result <50.0 <50.0 <50.0	Oualifier U	50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:44 03/16/23 00:44	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	esel Range Orga Result <50.0 <50.0 <50.0 %Recovery	Oualifier U	50.0 (GC) RL 50.0 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41 03/15/23 11:41 Prepared	03/16/23 14:26 Analyzed 03/16/23 00:44 03/16/23 00:44 03/16/23 00:44 Analyzed	Dil Fac
Oll Range Organics (Over C28-C36) Surrogate	<50.0 esel Range Orga Result <50.0 <50.0 <50.0 <50.0 *Recovery 100 121	Oualifier U Qualifier U Qualifier	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41 03/15/23 11:41 Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:44 03/16/23 00:44 Analyzed 03/16/23 00:44	Dil Fac
Total TPH Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl		Oualifier U Qualifier U Qualifier	50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41 03/15/23 11:41 Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 00:44 03/16/23 00:44 Analyzed 03/16/23 00:44	Dil Fac

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25937-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25738-A-3-F MS	Matrix Spike	109	94	
880-25738-A-3-G MSD	Matrix Spike Duplicate	115	82	
880-25937-1	S3	64 S1-	88	
LCS 880-48951/1-A	Lab Control Sample	85	91	
LCSD 880-48951/2-A	Lab Control Sample Dup	83	109	
MB 880-48951/5-A	Method Blank	72	86	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25937-1	S3	100	121	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25937-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48951/5-A

Matrix: Solid Analysis Batch: 48949 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48951

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/20/23 08:52	03/20/23 12:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/20/23 08:52	03/20/23 12:12	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72	70 - 130	03/20/23 08:52	03/20/23 12:12	1
1,4-Difluorobenzene (Surr)	86	70 - 130	03/20/23 08:52	03/20/23 12:12	1

Lab Sample ID: LCS 880-48951/1-A

Matrix: Solid

Analysis Batch: 48949

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48951

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1036		mg/Kg	<u> </u>	104	70 - 130	
Toluene	0.100	0.1035		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.09340		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.1942		mg/Kg		97	70 - 130	
o-Xylene	0.100	0.09432		mg/Kg		94	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-48951/2-A

Matrix: Solid

Analysis Batch: 48949

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48951

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1160		mg/Kg		116	70 - 130	11	35
Toluene	0.100	0.09918		mg/Kg		99	70 - 130	4	35
Ethylbenzene	0.100	0.08763		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1829		mg/Kg		91	70 - 130	6	35
o-Xylene	0.100	0.08907		mg/Kg		89	70 - 130	6	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		70 - 130
1.4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-25738-A-3-F MS

Matrix: Solid

Analysis Batch: 48949

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 48951

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00198	U	0.0998	0.08500		mg/Kg	_	85	70 - 130	
Toluene	<0.00198	U	0.0998	0.08669		mg/Kg		87	70 - 130	

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QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25937-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25738-A-3-F MS

Matrix: Solid

Analysis Batch: 48949

Sample Sample

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00198	U	0.0998	0.08637		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1844		mg/Kg		92	70 - 130	
o-Xylene	<0.00198	U	0.0998	0.08950		mg/Kg		89	70 - 130	
	MS	MS								

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 880-25738-A-3-G MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid
Analysis Batch: 48949

Prep Batch: 48951

Sample Sa

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.100	0.09692		mg/Kg		97	70 - 130	13	35
Toluene	<0.00198	U	0.100	0.09739		mg/Kg		97	70 - 130	12	35
Ethylbenzene	<0.00198	U	0.100	0.09262		mg/Kg		92	70 - 130	7	35
m-Xylene & p-Xylene	<0.00396	U	0.201	0.2046		mg/Kg		102	70 - 130	10	35
o-Xylene	<0.00198	U	0.100	0.1048		mg/Kg		104	70 - 130	16	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 48660

MB M

1		IVID	IVID							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	C10-C28) OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1

	МВ	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	03/15/23 11:41	03/15/23 19:59	1
o-Terphenyl	190	S1+	70 - 130	03/15/23 11:41	03/15/23 19:59	1

Lab Sample ID: LCS 880-48660/2-A

Client Sample ID: Lab Control Sample
Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 48633

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	864.0		mg/Kg		86	70 - 130	 	
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	936.4		mg/Kg		94	70 - 130		
C10-C28)									

Eurofins Midland

Prep Batch: 48660

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Job ID: 880-25937-2

SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48660/2-A

Lab Sample ID: LCSD 880-48660/3-A

Lab Sample ID: 880-25961-A-21-C MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 48633

Diesel Range Organics (Over

Analysis Batch: 48633

Client: Fasken Oil and Ranch

Project/Site: El Paso FED #3

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 128 70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

91

Prep Type: Total/NA

Prep Batch: 48660

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Analysis Batch: 48633 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 939.1 94 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10

905.2

mg/Kg

1000

C10-C28)

Matrix: Solid

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 104 127 70 - 130 o-Terphenyl

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48660

MS MS Sample Sample Spike Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits D Gasoline Range Organics <49.9 U 998 1145 mg/Kg 110 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 998 1327 mg/Kg 130 70 - 130 C10-C28)

MS MS

%Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 122 70 - 130 o-Terphenyl 136 S1+

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA

Prep Batch: 48660

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <49.9 U 999 Gasoline Range Organics 1219 117 70 - 130 6 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 999 1487 F1 mg/Kg 146 70 - 130 11 20

C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 138 S1+ 70 - 130 151 S1+ 70 - 130 o-Terphenyl

Eurofins Midland

Lab Sample ID: MB 880-48645/1-A

Lab Sample ID: LCS 880-48645/2-A

Matrix: Solid

Matrix: Solid

Analyte

Chloride

Analyte

Chloride

Analysis Batch: 48689

Analysis Batch: 48689

Method: 300.0 - Anions, Ion Chromatography

QC Sample Results

MB MB

<5.00 U

Result Qualifier

Client: Fasken Oil and Ranch Job ID: 880-25937-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

RL

5.00

Spike

Added

250

MDL Unit

Qualifier

LCS LCS

Result

272.8

mg/Kg

Unit

D

D

Prepared

%Rec

Client Sample ID: Method Blank **Prep Type: Soluble**

Dil Fac

Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Analyzed

03/17/23 01:50

mg/Kg 109 90 - 110

%Rec

Limits

Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Lab Sample ID: LCSD 880-48645/3-A **Matrix: Solid**

Analysis Batch: 48689

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 273.5 mg/Kg 109 90 - 110

Lab Sample ID: 880-25935-A-1-B MS

Matrix: Solid

Analysis Batch: 48689

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 325.2 F1 Chloride 12.7 F1 252 124 90 - 110 mg/Kg

Lab Sample ID: 880-25935-A-1-C MSD

Matrix: Solid

Analysis Batch: 48689

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 12.7 F1 252 327.1 F1 mg/Kg 125 90 - 110 20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25937-2
SDG: Eddy Co. NM

GC VOA

Analysis Batch: 48949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25937-1	S3	Total/NA	Solid	8021B	48951
MB 880-48951/5-A	Method Blank	Total/NA	Solid	8021B	48951
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	8021B	48951
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48951
880-25738-A-3-F MS	Matrix Spike	Total/NA	Solid	8021B	48951
880-25738-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48951

Prep Batch: 48951

Lab Sample ID 880-25937-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batcl
MB 880-48951/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48951/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48951/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25738-A-3-F MS	Matrix Spike	Total/NA	Solid	5035	
880-25738-A-3-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25937-1	S3	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID 880-25937-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25937-1	S3	Total/NA	Solid	8015NM Prep	
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25937-1	S3	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25937-1	S3	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25937-2
SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 48645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25937-1	S3	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

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Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25937-2
SDG: Eddy Co. NM

Lab Sample ID: 880-25937-1

Client Sample ID: S3
Date Collected: 03/13/23 10:00

Matrix: Solid

Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	48951	03/20/23 08:52	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48949	03/20/23 13:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49040	03/20/23 16:30	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48771	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 00:44	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 02:24	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25937-2
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-22-25	06-30-23
The fellowing analytes	and the standard to the same and to		and the contract of the contra	
the agency does not of	• •	ut the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for
0 ,	• •	ut the laboratory is not certilion Matrix	ed by the governing authority. This list ma	ay include analytes for
the agency does not of	fer certification.	•	, , ,	ay include analytes for

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25937-2

SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25937-2

SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25937-1	S3	Solid	03/13/23 10:00	03/14/23 16:40	0-6"

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70100

Project Manager

Company Name ddress

6101 Holiday Hill Road Midland TX 79707

Fasken Oil and Ranch Grant Huckabay

Company Name

Address.

Bill to (if different)

City State ZIP

Reporting Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📗

Level IV

State of Project

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www xenco com

Page

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City, State ZIP

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443, Lubbock TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199 Houston, TX (281) 240-4200 Dallas TX (214) 902-0300

Work Order No:	
259.3	

Phone 43	432-288-5529	Email granth@	pforl com, A	Email granth@forl.com, Addisong@forl.com	TO THE PARTY OF TH	Deliverables EDD	ADaPT Other	er
Project Name	EL PASO FED #3	Turn Around			ANALYSIS REQUEST	EST	Preser	Preservative Codes
Project Number		Routine X Rush	Pres.				None NO	DI Water: H ₂ O
Project Location	EDOT CO. NM	Due Date 2년 설	Ì				Cool Cool	MeOH Me
Sampler's Name	Addison Guelker	TAT starts the day recei	ived by				нсг нс	HNO, HN
PO#		the lab if received by 4 30pm					H ₂ S0 ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp_Blank Yes	(No) Wet Ice (Yes)	ਨ ietei				Н"РО, НР	
Samples Received Intact	Yes No	-	ram				NaHSO, NABIS	BIS
Cooler Custody Seals	Yes No Will	Correction Factor	Pa				Na ₂ S ₂ O ₃ NaSO ₂	SQ.
Sample Custody Seals	No NiA	Temperature Reading	اِک				Zn Anototota	150L 32
		V.	1				ZII ACEIAIETINAOTI ZII	VaOn Zn
Total Containers.	Correc	Corrected Temperature S	Ŀ	021			NaOH+Ascor	NaOH+Ascorbic Acid SAPC
Sample Identification	ication Matrix Sampled	Time Depth	Grab/ # of Comp Cont	TPH 80 BTEX 8			Sample	Sample Comments
53	S 3/13/23	10.00 0.6"	<u> </u>	X				
							40%	
						880-25937	880-25937 Chain of Custody	
							chaindy	
Total 200.7 / 6010	0 200.8 / 6020:	8RCRA 13PPM Tex	Texas 11 Al S	Sb As Ba Be B	Cd Ca Cr Co Cu Fe P	b Mg Mn Mo Ni K Se Ag	Ag SiO ₂ Na Sr Ti Sn ∪ V Zn	1 U V Zn
Circle Method(s) and	Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 601	0 8RCRA	Sb As Ba Be (TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni	Ni Se Ag TIU Hg	Hg 1631 / 245 1 / 7470 / 7471	0 / 7471
Notice Signature of this doc of service Eurofins Xenco of Eurofins Xenco A minim	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractor of service Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These ter	es constitutes a valid purchase or ples and shall not assume any res to each project and a charge of \$\$	rder from client o sponsibility for a 5 for each sampl	company to Eurofins Xe ny losses or expenses e submitted to Eurofins	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed These terms will be enforced unless previously negotiated.	s. It assigns standard terms and conditions are due to circumstances beyond the control ms will be enforced unless previously negotia	ditions control negotiated.	
Relinquished by (Signature)	(Signature)	Received by (Signature)	1	Date/Time	Relinquished by (Signature)	e) Received by: (Signature)	(Signature)	Date/Time
HENCK		***	0		2			TOTAL CONTRACTOR OF THE PARTY O
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							Revised	Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25937-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25937 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/21/2023 8:28:37 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25938-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/21/2023 8:28:37 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 2

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25938-2
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25938-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Qualifiers

GC VOA Qualifier

LCS and/or LCSD is outside acceptance limits, low biased.

*1 LCS/LCSD RPD exceeds control limits.

Qualifier Description

F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit

Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25938-2
SDG: Eddy Co. NM

Job ID: 880-25938-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25938-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S4 (880-25938-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48845 and analytical batch 880-49009 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The LCSD was biased low due to a poor injection. The method requires only and LCS or LCSD be acceptable; therefore the data was qualified and reported.(LCSD 880-48845/2-A)

Method 8021B: Surrogate recovery for the following sample was outside control limits: S4 (880-25938-1). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S4 (880-25938-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S4 (880-25938-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

141 S1+

Result Qualifier

5.51

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Job ID: 880-25938-2 SDG: Eddy Co. NM

Lab Sample ID: 880-25938-1

03/15/23 11:41

Prepared

D

03/16/23 01:05

Analyzed

03/17/23 02:29

Dil Fac

Matrix: Solid

Date Received: 03/14/23 16:40 Sample Depth: 0-6"

o-Terphenyl

Analyte

Chloride

Client Sample ID: S4

Date Collected: 03/13/23 10:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U F1	0.00202		mg/Kg		03/17/23 13:21	03/20/23 16:05	1
Toluene	<0.00202	U F1	0.00202		mg/Kg		03/17/23 13:21	03/20/23 16:05	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		03/17/23 13:21	03/20/23 16:05	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		03/17/23 13:21	03/20/23 16:05	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		03/17/23 13:21	03/20/23 16:05	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		03/17/23 13:21	03/20/23 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	50	S1-	70 - 130				03/17/23 13:21	03/20/23 16:05	1
1,4-Difluorobenzene (Surr)	81		70 - 130				03/17/23 13:21	03/20/23 16:05	1
Method: SW846 8015 NM - Diese	l Range Organ	ica (DDO) (201						
		KS OKOLO	.a(.)						
	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/16/23 14:26	Dil Fac
Analyte Total TPH	Result <50.0	Qualifier U	RL 50.0	MDL		<u>D</u>	Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0 sel Range Orga	Qualifier U	RL 50.0			<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 50.0		mg/Kg		<u> </u>	03/16/23 14:26	1
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0		mg/Kg Unit mg/Kg		Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 01:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga	Qualifier U nics (DRO) Qualifier U	RL 50.0		mg/Kg		Prepared	03/16/23 14:26 Analyzed	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	RL 50.0		mg/Kg Unit mg/Kg		Prepared 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 01:05	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	Result	Qualifier U nics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/15/23 11:41 03/15/23 11:41	03/16/23 14:26 Analyzed 03/16/23 01:05 03/16/23 01:05	1 Dil Fac 1

70 - 130

RL

5.02

MDL Unit

mg/Kg

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25938-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
	BFB1	DFBZ1	
Client Sample ID	(70-130)	(70-130)	
S4	50 S1-	81	
S4	119	79	
S4	120	80	
Lab Control Sample	102	96	
Lab Control Sample Dup	56 S1-	103	
Method Blank	94	87	
zene (Surr)			
	S4 S4 S4 Lab Control Sample Lab Control Sample Dup	Client Sample ID (70-130) S4 50 S1- S4 119 S4 120 Lab Control Sample 102 Lab Control Sample Dup 56 S1- Method Blank 94	Client Sample ID (70-130) (70-130) S4 50 S1- 81 S4 119 79 S4 120 80 Lab Control Sample 102 96 Lab Control Sample Dup 56 S1- 103 Method Blank 94 87

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25938-1	S4	120	141 S1+	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25938-2 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48845/5-A

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48845

		MB	MB							
Ana	ılyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ben	zene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Tolu	iene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Eth	ylbenzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
m-X	(ylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
o-X	ylene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Xyle	enes, Total	<0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1

MB MB

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	94	70 - 130
1,4-Difluorobenzene (Surr)	87	70 - 130

Client Sample ID: Lab Control Sample

Analyzed

03/20/23 15:43

03/20/23 15:43

Prepared

03/17/23 13:21

03/17/23 13:21

Prep Type: Total/NA

Dil Fac

Prep Batch: 48845

Lab Sample ID: LCS 880-48845/1-A Matrix: Solid

Analysis Batch: 49009

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09326	-	mg/Kg		93	70 - 130	
Toluene	0.100	0.09579		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09204		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1886		mg/Kg		94	70 - 130	
o-Xylene	0.100	0.09522		mg/Kg		95	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 49009

Lab Sample ID: LCSD 880-48845/2-A

Prep Type: Total/NA Prep Batch: 48845

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07547		mg/Kg		75	70 - 130	21	35
Toluene	0.100	0.07825		mg/Kg		78	70 - 130	20	35
Ethylbenzene	0.100	0.06345	*- *1	mg/Kg		63	70 - 130	37	35
m-Xylene & p-Xylene	0.200	0.1122	*- *1	mg/Kg		56	70 - 130	51	35
o-Xylene	0.100	0.05505	*- *1	mg/Kg		55	70 - 130	53	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130
1.4-Difluorobenzene (Surr)	103		70 ₋ 130

Lab Sample ID: 880-25938-1 MS

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: S4 Prep Type: Total/NA Prep Batch: 48845

_	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00202	U F1	0.101	0.05943	F1	mg/Kg		58	70 - 130
Toluene	<0.00202	U F1	0.101	0.08445		mg/Kg		84	70 - 130

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QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25938-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25938-1 MS Client Sample ID: S4 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 49009 Prep Batch: 48845

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U *- *1	0.101	0.09502		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00403	U *- *1	0.201	0.1933		mg/Kg		96	70 - 130	
o-Xylene	<0.00202	U *- *1	0.101	0.09751		mg/Kg		97	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 70 - 130 119 70 - 130 1,4-Difluorobenzene (Surr) 79

Lab Sample ID: 880-25938-1 MSD

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: S4 Prep Type: Total/NA Prep Batch: 48845

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1	0.101	0.04959	F1	mg/Kg		49	70 - 130	18	35
Toluene	<0.00202	U F1	0.101	0.06820	F1	mg/Kg		68	70 - 130	21	35
Ethylbenzene	<0.00202	U *- *1	0.101	0.07637		mg/Kg		76	70 - 130	22	35
m-Xylene & p-Xylene	<0.00403	U *- *1	0.202	0.1548		mg/Kg		77	70 - 130	22	35
o-Xylene	<0.00202	U *- *1	0.101	0.07970		mg/Kg		79	70 - 130	20	35

MSD MSD Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 120 1,4-Difluorobenzene (Surr) 80 70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 48633

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	03/15/23 11:41	03/15/23 19:59	1
o-Terphenyl	190	S1+	70 - 130	03/15/23 11:41	03/15/23 19:59	1

Lab Sample ID: LCS 880-48660/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 48633

Analysis Batch: 48633						Batch: 48660		
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	864.0		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	936.4		mg/Kg		94	70 - 130	
0.4.0.000)								

C10-C28)

Eurofins Midland

Prep Batch: 48660

Job ID: 880-25938-2 SDG: Eddy Co. NM

Project/Site: El Paso FED #3

Lab Sample ID: LCS 880-48660/2-A

Lab Sample ID: LCSD 880-48660/3-A

Lab Sample ID: 880-25961-A-21-C MS

Client: Fasken Oil and Ranch

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 128 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 48633 Prep Batch: 48660 Spike LCSD LCSD %Rec RPD

Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 939.1 94 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 905.2 91 mg/Kg 70 - 1303 20

C10-C28)

Matrix: Solid

Analysis Batch: 48633

LCSD LCSD

Surrogate	%Recovery Qualifie	er Limits
1-Chlorooctane	104	70 - 130
o-Terphenyl	127	70 - 130

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48660

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.9 U 998 1145 mg/Kg 110 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 998 1327 mg/Kg 130 70 - 130

C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 122

70 - 130 o-Terphenyl 136 S1+

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 48633 Prep Batch: 48660 MSD MSD %Rec

Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <49.9 U 999 Gasoline Range Organics 1219 mg/Kg 117 70 - 130 6 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 999 1487 F1 mg/Kg 146 70 - 130 20

C10-C28)

MSD MSD %Recovery Qualifier

Surrogate Limits 1-Chlorooctane 138 S1+ 70 - 130 151 S1+ 70 - 130 o-Terphenyl

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RPD

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25938-2
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A

Matrix: Solid

Analysis Batch: 48689

MB MB

 Analyte
 Result Chloride
 Qualifier
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 VIDENTIAL
 Unit VIDENTIAL
 D VIDENTIAL
 Prepared VIDENTIAL
 Analyzed VIDENTIAL
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 Chloride
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 mg/Kg
 03/17/23 01:50
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Lab Sample ID: LCS 880-48645/2-A

Matrix: Solid

Analysis Batch: 48689

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 272.8 mg/Kg 109 90 - 110

Lab Sample ID: LCSD 880-48645/3-A

Matrix: Solid

Analysis Batch: 48689

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 273.5 mg/Kg 109 90 - 110

Lab Sample ID: 880-25935-A-1-B MS

Matrix: Solid

Analysis Batch: 48689

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 325.2 F1 Chloride 12.7 F1 252 124 90 - 110 mg/Kg

Lab Sample ID: 880-25935-A-1-C MSD

Matrix: Solid

Analysis Batch: 48689

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 12.7 F1 252 327.1 F1 mg/Kg 125 90 - 110 20

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SDG: Eddy Co. NM

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25938-2

GC VOA

Prep Batch: 48845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25938-1	S4	Total/NA	Solid	5035	
MB 880-48845/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25938-1 MS	S4	Total/NA	Solid	5035	
880-25938-1 MSD	\$4	Total/NA	Solid	5035	

Analysis Batch: 49009

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25938-1	S4	Total/NA	Solid	8021B	48845
MB 880-48845/5-A	Method Blank	Total/NA	Solid	8021B	48845
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	8021B	48845
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48845
880-25938-1 MS	S4	Total/NA	Solid	8021B	48845
880-25938-1 MSD	S4	Total/NA	Solid	8021B	48845

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Analysis Batch: 49078

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25938-1	S4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID 880-25938-1	Client Sample ID S4	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25938-1 S4		Total/NA	Solid	8015NM Prep	
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25938-1	S4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25938-1	S4	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25938-2
SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 48645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25938-1	S4	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

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Lab Chronicle

Client: Fasken Oil and Ranch Job ID: 880-25938-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S4 Lab Sample ID: 880-25938-1

Date Collected: 03/13/23 10:10 Matrix: Solid Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	48845	03/17/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49009	03/20/23 16:05	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			49078	03/21/23 09:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48772	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 01:05	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 02:29	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25938-2
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

		ogram	Identification Number	Expiration Date	
Texas	N	ELAP	T104704400-22-25	06-30-23	
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the agency does not of	fer certification.	•	, , ,	ay include analytes for	

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25938-2 SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25938-2

SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25938-1	S4	Solid	03/13/23 10:10	03/14/23 16:40	0-6"

: eurofins

Project Manager

Grant Huckabay

Bill to (if different)

Company Name

Company Name ddress

Project Name.

Paso FED #3

City State ZIP

432-288-5529 Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch

Email

granth@forl com,

Addisong@forl.com

City State ZIP

Sampler's Name Project Location Project Number

F004

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Due Date

24 HR

Routine

X Rush

Pres. Code

ANALYSIS REQUEST

Deliverables EDD

ADaPT 🗆

None NO

MeOH Me DI Water: H₂O **Preservative Codes**

Turn Around

Sulso, their sola is

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199 Houston TX (281) 240-4200 Dallas TX (214) 902-0300

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	Date/Time	gnature)	Received by (Signature)	Relinquished by (Signature)	Time	Date/Time		nature)	Received by (Signature)	Receive		Signature)	Relinguished by (Signature)	Relin
		ons ntrol gotiated.	It assigns standard terms and conditions edue to circumstances beyond the control will be enforced unless previously negoti	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco its affiliates and subcontractors it assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85 00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	to Eurofins Xenc s or expenses inc ted to Eurofins Xe	ent company for any losse imple submit	order from cli responsibility \$5 for each sa	d purchase ssume any a charge of	stitutes a vali nd shall not as h project and a	of samples cor st of samples a applied to eac	quishment of for the cos 5 00 will be	ument and relin rill be liable only im charge of \$8	nature of this doc Eurofins Xenco v Xenco A minimu	Notice Signof service.
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	U V Zn	iO ₂ Na Sr Tl Sn	Mg Mn Mo N⊨K Se Ag SiO ₂ Na Sr Tl Sn ∪ V Zn	Ca Cr Co Cu Fe Pb	Ba Be B Cd	l Sb As	8RCRA 13PPM Texas 11 Al Sb As Ba	PPM T	RCRA 13	8	6020:	200.8 / 6020:	Total 200.7 / 6010	Total
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	nZ HO	Zn Acetate+NaOH Zn			3	<u> </u>	عا	M	e Reading	Temperature Reading	No N/A	Yes	Sample Custody Seals	Sample (
	<u>၀</u>	Na ₂ S ₂ O ₃ NaSO ₃				Р	8	1,1	Factor	Correction Factor	(Z)	1	Cooler Custody Seals	Cooler C
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		H ₃ PO ₄ HP				nete	N _O	(Yes)	Wet Ice	Yes No	Temp Blank.	 	SAMPLE RECEIPT	SAMPL
	NaOH Na	H ₂ S0 ₄ H ₂				rs —	<u> </u>	eceived by	the lab if received by 4 30pm			7	_	PO#
	HNO ₃ HN	HCL HC					ceived by	the day re	TAT starts the day received by	ker	Addison Guelker	Addis	Name	Sampler's Name
	MeOH Me	Cool Cool				_	TR	121 HR	Due Date		3	700	1	r roject Ecodiioi

Received by (Signature)

Revised Date 08/25/2020 Rev 2020

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25938-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25938 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/21/2023 8:29:09 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25939-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/21/2023 8:29:09 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25939-2
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25939-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Qualifiers

GC VOA	
Qualifier	Qualifier Description
*_	LCS and/or LCSD is o

and/or LCSD is outside acceptance limits, low biased.

*1 LCS/LCSD RPD exceeds control limits.

F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive

QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25939-2
SDG: Eddy Co. NM

Job ID: 880-25939-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25939-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48845 and analytical batch 880-49009 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The LCSD was biased low due to a poor injection. The method requires only and LCS or LCSD be acceptable; therefore the data was qualified and reported.(LCSD 880-48845/2-A)

Method 8021B: Surrogate recovery for the following samples were outside control limits: S5 (880-25939-1) and (880-25938-A-1-G). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S5 (880-25939-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25939-2

SDG: Eddy Co. NM

Lab Sample ID: 880-25939-1

Matrix: Solid

Client Sample ID: S5

Date Collected: 03/13/23 10:20 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 16:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 16:26	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		03/17/23 13:21	03/20/23 16:26	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		03/17/23 13:21	03/20/23 16:26	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		03/17/23 13:21	03/20/23 16:26	1
Xylenes, Total	<0.00401	U *- *1	0.00401		mg/Kg		03/17/23 13:21	03/20/23 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130				03/17/23 13:21	03/20/23 16:26	1
1,4-Difluorobenzene (Surr)	74		70 - 130				03/17/23 13:21	03/20/23 16:26	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/21/23 09:02	1
Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/16/23 14:26	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/16/23 01:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/16/23 01:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/16/23 01:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/15/23 11:41	03/16/23 01:48	1
o-Terphenyl	127		70 - 130				03/15/23 11:41	03/16/23 01:48	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.1		5.04		mg/Kg			03/17/23 02:33	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25939-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25938-A-1-E MS	Matrix Spike	119	79	
880-25938-A-1-F MSD	Matrix Spike Duplicate	120	80	
880-25939-1	S5	57 S1-	74	
LCS 880-48845/1-A	Lab Control Sample	102	96	
LCSD 880-48845/2-A	Lab Control Sample Dup	56 S1-	103	
MB 880-48845/5-A	Method Blank	94	87	
Surrogate Legend				

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25939-1	S5	106	127	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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Released to Imaging: 9/11/2023 2:07:07 PM

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QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25939-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48845/5-A

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48845

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1

мв мв

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepa	red	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/17/23	13:21	03/20/23 15:43	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/17/23	13:21	03/20/23 15:43	1

Lab Sample ID: LCS 880-48845/1-A

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48845

	Бріке	LUS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09326		mg/Kg		93	70 - 130	
Toluene	0.100	0.09579		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09204		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1886		mg/Kg		94	70 - 130	
o-Xylene	0.100	0.09522		mg/Kg		95	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	96	70 - 130

Lab Sample ID: LCSD 880-48845/2-A

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48845

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07547		mg/Kg		75	70 - 130	21	35
Toluene	0.100	0.07825		mg/Kg		78	70 - 130	20	35
Ethylbenzene	0.100	0.06345	*- *1	mg/Kg		63	70 - 130	37	35
m-Xylene & p-Xylene	0.200	0.1122	*- *1	mg/Kg		56	70 - 130	51	35
o-Xylene	0.100	0.05505	*- *1	mg/Kg		55	70 - 130	53	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130		
1.4-Difluorobenzene (Surr)	103		70 - 130		

Lab Sample ID: 880-25938-A-1-E MS

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 48845

		Sample	Sample	Spike	MS	MS				%Rec	
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	<0.00202	U F1	0.101	0.05943	F1	mg/Kg		58	70 - 130	
١	Toluene	<0.00202	U F1	0.101	0.08445		mg/Kg		84	70 - 130	

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QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25939-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25938-A-1-E MS

Lab Sample ID: 880-25938-A-1-F MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 49009

Analysis Batch: 49009

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48845

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits U *- *1 0.101 Ethylbenzene <0.00202 0.09502 94 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00403 U *- *1 0.201 0.1933 mg/Kg 96 70 - 130 o-Xylene <0.00202 U *- *1 0.101 0.09751 97 70 - 130 mg/Kg

MS MS

Surrogate	%Recovery Qua	alifier Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1,4-Difluorobenzene (Surr)	79	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48845

Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.101 Benzene <0.00202 UF1 0.04959 F1 mg/Kg 49 70 - 130 18 35 Toluene <0.00202 UF1 0.101 0.06820 F1 mg/Kg 68 70 - 130 21 35 76 Ethylbenzene <0.00202 U *- *1 0.101 0.07637 70 - 130 22 35 mg/Kg 0.202 77 70 - 130 22 m-Xylene & p-Xylene <0.00403 U *- *1 0.1548 mg/Kg 35 <0.00202 U *- *1 0.101 0.07970 79 70 - 130 20 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48660

ı		MR	MR							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	C10-C28)									
	Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
ı										

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepa	ared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	03/15/23	3 11:41	03/15/23 19:59	1
o-Terphenyl	190	S1+	70 - 130	03/15/23	3 11:41	03/15/23 19:59	1

Lab Sample ID: LCS 880-48660/2-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	864.0		mg/Kg		86	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	936.4		mg/Kg		94	70 - 130
C10-C28)							

Eurofins Midland

Job ID: 880-25939-2

SDG: Eddy Co. NM

Project/Site: El Paso FED #3 Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48660/2-A

Lab Sample ID: LCSD 880-48660/3-A

Matrix: Solid

Analysis Batch: 48633

Client: Fasken Oil and Ranch

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

LCS LCS

Sample Sample

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 128 70 - 130

Client Sample ID: Lab Control Sample Dup

70 - 130

Prep Type: Total/NA

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Matrix: Solid Analysis Batch: 48633 Prep Batch: 48660 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 94 20

939.1

Me Me

mg/Kg

(GRO)-C6-C10 Diesel Range Organics (Over 1000 905.2 91 mg/Kg 70 - 130C10-C28) LCSD LCSD

Snika

1000

Surrogate %Recovery Qualifier Limits 104 70 - 130 1-Chlorooctane 127 70 - 130 o-Terphenyl

Lab Sample ID: 880-25961-A-21-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Gasoline Range Organics

Analysis Batch: 48633

Prep Type: Total/NA

Prep Batch: 48660

	Sample	Sample	Spike	IVIO	IVIO				70 KeC	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	998	1145		mg/Kg		110	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U F1	998	1327		mg/Kg		130	70 - 130	
C10-C28)										

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 122 o-Terphenyl 136 S1+ 70 - 130

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 48633

Prep Batch: 48660 Sample Sample MSD MSD RPD Spike %Rec

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Gasoline Range Organics <49.9 U 999 1219 mg/Kg 117 70 - 130 6 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 999 1487 F1 mg/Kg 146 70 - 130 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 138 S1+ 70 - 130 151 S1+ 70 - 130 o-Terphenyl

Eurofins Midland

QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25939-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

RL

5.00

Spike

Added

250

Spike

Added

250

Spike

Added

Spike

252

MDL Unit

Qualifier

Qualifier

LCS LCS

LCSD LCSD

MS MS

MSD MSD

327.1 F1

Result Qualifier

325.2 F1

Result Qualifier

Result

272.8

Result

273.5

mg/Kg

Unit

Unit

mg/Kg

D

D

%Rec

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A

Matrix: Solid

Analysis Batch: 48689

мв мв

Analyte Result Qualifier Chloride <5.00 U

Lab Sample ID: LCS 880-48645/2-A

Analysis Batch: 48689

Matrix: Solid

Analyte Chloride

Lab Sample ID: LCSD 880-48645/3-A **Matrix: Solid**

Analysis Batch: 48689

Analyte Chloride

Lab Sample ID: 880-25935-A-1-B MS **Matrix: Solid**

Analyte

Analysis Batch: 48689

Chloride

Lab Sample ID: 880-25935-A-1-C MSD **Matrix: Solid**

Analysis Batch: 48689

Analyte Result Qualifier Added Chloride 12.7 F1 252

Sample Sample

12.7 F1

Sample Sample

Result Qualifier

Client Sample ID: Method Blank

Prep Type: Soluble

Dil Fac Prepared Analyzed 03/17/23 01:50

Client Sample ID: Lab Control Sample

Prep Type: Soluble

mg/Kg 109 90 - 110

Client Sample ID: Lab Control Sample Dup

%Rec

%Rec

Limits

Prep Type: Soluble

%Rec Limits RPD Limit 109 90 - 110

Client Sample ID: Matrix Spike

Prep Type: Soluble

%Rec Unit Limits 124 90 - 110 mg/Kg

Client Sample ID: Matrix Spike Duplicate

%Rec

Prep Type: Soluble

%Rec RPD Unit %Rec Limits RPD Limit mg/Kg 125 90 - 110 20

Eurofins Midland

RPD

QC Association Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25939-2 SDG: Eddy Co. NM

GC VOA

Prep Batch: 48845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25939-1	S5	Total/NA	Solid	5035	
MB 880-48845/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25938-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-25938-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49009

Lab Sample ID 880-25939-1	Client Sample ID S5	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 48845
MB 880-48845/5-A	Method Blank	Total/NA	Solid	8021B	48845
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	8021B	48845
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48845
880-25938-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	48845
880-25938-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48845

Analysis Batch: 49079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25939-1	S5	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25939-1	S5	Total/NA	Solid	8015B NM	48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID 880-25939-1	Client Sample ID S5	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25939-1	S5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

Released to Imaging: 9/11/2023 2:07:07 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25939-1	S5	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25939-2
SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 48645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25939-1	S5	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

Eurofins Midland

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Lab Chronicle

Client: Fasken Oil and Ranch Job ID: 880-25939-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S5 Lab Sample ID: 880-25939-1

Date Collected: 03/13/23 10:20 Matrix: Solid Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	48845	03/17/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49009	03/20/23 16:26	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			49079	03/21/23 09:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48773	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 01:48	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 02:33	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch

Job ID: 880-25939-2

Project/Site: El Paso FED #3

SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		Program Identificatio		Expiration Date	
Texas	NI	ELAP	T104704400-22-25	06-30-23	
The following analytes	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for a	
the agency does not of		at the laboratory is not certific	ed by the governing additionty. This list his	ay ilicidde allaiytes loi v	
0 ,		Matrix	Analyte	ay include analytes for t	
the agency does not of	fer certification.	•	, , ,	ay include analytes for v	

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25939-2 SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25939-2 SDG: Eddy Co. NM

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received
 Depth

 880-25939-1
 55
 Solid
 03/13/23 10:20
 03/14/23 16:40
 0-6"

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Relinquished by (Signature)

Received by (Signature)

Pate/Time

Relinquished by (Signature)

Received by (Signature)

Date/Time

Revised Date 08/25/2020 Rev 2020.2

S eurofins

Project Manager

Bill to (if different)

432-288-5529 Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

Address. Company Name

TOWOOMENT esting

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296 Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Houston TX (281) 240-4200 Dallas TX (214) 902-0300

Work Order No:

www xenco.com

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Work Order Comments

Company Name	Fasken Oil and Ranch		Company Name	vame						Program UST/P	ST PRP[Brownfields	Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
Address.	6101 Holiday Hill Road		Address							State of Project			
City State ZIP	Midland TX 79707		City State ZIP	ZIP						Reporting Level II	II 🗌 Level III	☐ PST/UST []	TRRP Level IV
Phone	432-288-5529		Email granth@fo	granth@forl com, Addisong@forl com	disong	@forl.c	m			Deliverables EDD	Ö	ADaPT 🗆	
Project Name	EL PASO FEO #3	3	Turn Around					ANA	ANALYSIS REQ	QUEST		Pre	Preservative Codes
Project Number		F	Routine X Rush	Pres. Code								None NO	IO DI Water: H ₂ O
Project Location	EBBY CO NM	Due	Due Date 24 和2									Cool Cool	
Sampler's Name	Addison Guelker		TAT starts the day received by	d by								HO HO	
PO#) the I	the lab if received by 4 30pm									H,S0, H,	
SAMPLE RECEIPT	Temp Blank	Yes (Nb) we	Wet ice (Yes N	eter								1 2004	
Samples Received Intact	(es) No	iometer		ram								N3LSO	NADIO
Cooler Custody Seals	Yes No (N/A)	Correction Factor	11	Pai								Na.S.O.	Na.S.O. NaSO.
Sample Custody Seals	Yes No	Temperature Reading	ding らし				-11					Zn Aceta	Zn Acetate+NaOH Zn
Total Containers		Corrected Temperature	rature 5.1									NaOH+A	NaOH+Ascorbic Acid SAPC
Sample Identification	ification Matrix	Date Ti Sampled San	Time Depth C	Grab/ # of Comp Cont	TPH 80	CHLO						Sa	Sample Comments
8	S	3/13/23 10:20	0.6"	1	X	19							
		-				-						 	7
					-								
					-	+			-				
											080-	660-25939 Chain of Custody	Custody
												_	_
Total 200.7 / 6010	10 200.8 / 6020:	8RCRA	13PPM Texas 11	≥	Sb As Ba Be		B Cd Ca	a Cr Co Cu	Cu Fe Pb	b Mg Mn Mo Ni K Se	₽∥	SiO ₂ Na Sr Tl Sn U V Zn	I Sn U V Zn
Circle Method(s) an	Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo I	8RCRA 9	Sb As	Ba Be	Cd Cr	Co Cu P	b Mn M	oNiSeAgTI∪	<u>Б</u> ,	Hg 1631/2451/7470/7471	7470 / 7471
Notice Signature of this do	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors of samples and subcontractors.	samples constitutes	a valid purchase orde	r from client co	mpany to	Eurofins	Xenco, its	affiliates and s	ubcontracto	ors It assigns standard terms and conditions	terms and cond	litions	
of Eurofins Xenco. A minir	of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	pplied to each projec	t and a charge of \$5 fo	r each sample	y losses o	to Euro	ins Xenco,	by the client i	f such losse ed. These to	s are due to circumstanc rms will be enforced unl	es beyond the o	control regotiated	
													The state of the s

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Login Sample Receipt Checklist

Client: Fasken Oil and Ranch Job Number: 880-25939-2 SDG Number: Eddy Co. NM

List Source: Eurofins Midland

List Number: 1

Login Number: 25939

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/21/2023 8:29:41 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25940-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/21/2023 8:29:41 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 4

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25940-2
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25940-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Qualifiers

GC VOA Qualifier

LCS and/or LCSD is outside acceptance limits, low biased. *1 LCS/LCSD RPD exceeds control limits. F1 MS and/or MSD recovery exceeds control limits.

Qualifier Description

S1-Surrogate recovery exceeds control limits, low biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC Qualifier

F1 MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis

Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Qualifier Description

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present **Practical Quantitation Limit PQL**

PRES Presumptive

Quality Control RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25940-2
SDG: Eddy Co. NM

Job ID: 880-25940-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25940-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48845 and analytical batch 880-49009 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The LCSD was biased low due to a poor injection. The method requires only and LCS or LCSD be acceptable; therefore the data was qualified and reported.(LCSD 880-48845/2-A)

Method 8021B: Surrogate recovery for the following sample was outside control limits: (880-25938-A-1-G). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S6 (880-25940-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S6 (880-25940-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25940-2

SDG: Eddy Co. NM

Lab Sample ID: 880-25940-1

Matrix: Solid

Sample Depth: 0-6"

Client Sample ID: S6 Date Collected: 03/13/23 10:30

Date Received: 03/14/23 16:40

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/17/23 13:21	03/20/23 16:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/17/23 13:21	03/20/23 16:46	1
Ethylbenzene	< 0.00199	U *- *1	0.00199		mg/Kg		03/17/23 13:21	03/20/23 16:46	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		03/17/23 13:21	03/20/23 16:46	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		03/17/23 13:21	03/20/23 16:46	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		03/17/23 13:21	03/20/23 16:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				03/17/23 13:21	03/20/23 16:46	1
1,4-Difluorobenzene (Surr)	86		70 - 130				03/17/23 13:21	03/20/23 16:46	1
Method: TAL SOP Total BTEX - T	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/21/23 09:02	1
Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/16/23 14:26	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 02:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 02:10	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 02:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				03/15/23 11:41	03/16/23 02:10	1
o-Terphenyl	135	S1+	70 - 130				03/15/23 11:41	03/16/23 02:10	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	289		5.01		mg/Kg			03/17/23 02:48	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25940-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25938-A-1-E MS	Matrix Spike	119	79	
880-25938-A-1-F MSD	Matrix Spike Duplicate	120	80	
880-25940-1	S6	107	86	
LCS 880-48845/1-A	Lab Control Sample	102	96	
LCSD 880-48845/2-A	Lab Control Sample Dup	56 S1-	103	
MB 880-48845/5-A	Method Blank	94	87	
Surrogate Legend				
BFB = 4-Bromofluorobenz	zene (Surr)			
DFBZ = 1,4-Difluorobenze	ene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25940-1	S6	117	135 S1+	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25940-2 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48845/5-A

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48845

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	70 - 130	03/17/23 13:21	03/20/23 15:43	1
1,4-Difluorobenzene (Surr)	87	70 - 130	03/17/23 13:21	03/20/23 15:43	1

Lab Sample ID: LCS 880-48845/1-A

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48845

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09326		mg/Kg		93	70 - 130	
Toluene	0.100	0.09579		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09204		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1886		mg/Kg		94	70 - 130	
o-Xylene	0.100	0.09522		mg/Kg		95	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	96	70 - 130

Lab Sample ID: LCSD 880-48845/2-A

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 48845

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07547		mg/Kg		75	70 - 130	21	35
Toluene	0.100	0.07825		mg/Kg		78	70 - 130	20	35
Ethylbenzene	0.100	0.06345	*- *1	mg/Kg		63	70 - 130	37	35
m-Xylene & p-Xylene	0.200	0.1122	*- *1	mg/Kg		56	70 - 130	51	35
o-Xylene	0.100	0.05505	*- *1	mg/Kg		55	70 - 130	53	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-25938-A-1-E MS

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 48845

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1	0.101	0.05943	F1	mg/Kg	_	58	70 - 130	
Toluene	<0.00202	U F1	0.101	0.08445		mg/Kg		84	70 - 130	

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QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25940-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25938-A-1-E MS

Client Sample ID: Matrix Spike

Matrix: Solid
Analysis Batch: 49009

Sample Sample Sample Spike MS MS WS %Rec

	Janipie	Janipie	Opike	INIO	INIO				/01 \C C	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U *- *1	0.101	0.09502		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00403	U *- *1	0.201	0.1933		mg/Kg		96	70 - 130	
o-Xylene	<0.00202	U *- *1	0.101	0.09751		mg/Kg		97	70 - 130	

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 119
 70 - 130

 1,4-Difluorobenzene (Surr)
 79
 70 - 130

Lab Sample ID: 880-25938-A-1-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 49009 Prep Batch: 48845

Sample Sample Spike MSD MSD RPD %Rec RPD Limit Analyte Result Qualifier babbA Result Qualifier Limits Unit Benzene <0.00202 UF1 0.101 0.04959 F1 mg/Kg 49 70 - 130 18 35 Toluene <0.00202 UF1 0.101 0.06820 F1 mg/Kg 68 70 - 130 21 35 Ethylbenzene <0.00202 U *- *1 0.101 0.07637 76 70 - 130 22 35 mg/Kg m-Xylene & p-Xylene <0.00403 U *- *1 0.202 0.1548 mg/Kg 77 70 - 130 22 35 <0.00202 U *- *1 0.101 0.07970 79 70 - 130 20 o-Xylene mg/Kg 35

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 120
 70 - 130

 1,4-Difluorobenzene (Surr)
 80
 70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 48633

мв мв Result Qualifier RL MDL Unit D Analyzed Dil Fac Analyte Prepared <50.0 U 50.0 03/15/23 11:41 03/15/23 19:59 Gasoline Range Organics mg/Kg (GRO)-C6-C10 03/15/23 19:59 Diesel Range Organics (Over <50.0 U 50.0 03/15/23 11:41 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 03/15/23 11:41 03/15/23 19:59 mg/Kg

MB MB Limits %Recovery Qualifier Prepared Dil Fac Surrogate Analyzed 1-Chlorooctane 157 S1+ 70 - 130 03/15/23 11:41 03/15/23 19:59 190 S1+ 70 - 130 03/15/23 11:41 03/15/23 19:59 o-Terphenyl

Lab Sample ID: LCS 880-48660/2-A Client Sample ID: Lab Control Sample

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 48633 Prep Batch: 48660

	Spike	LUS	LUS				70KeC
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	864.0		mg/Kg		86	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	936.4		mg/Kg		94	70 - 130
C10-C28)							

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Prep Batch: 48660

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Client: Fasken Oil and Ranch Job ID: 880-25940-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

LCS LCS

Lab Sample ID: LCS 880-48660/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA

Prep Batch: 48660

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 128 70 - 130

Lab Sample ID: LCSD 880-48660/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA

Prep Batch: 48660

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 939.1 94 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 905.2 91 mg/Kg 70 - 1303 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 104 127 70 - 130 o-Terphenyl

Lab Sample ID: 880-25961-A-21-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA

Prep Batch: 48660

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits D Gasoline Range Organics <49.9 U 998 1145 mg/Kg 110 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 998 1327 mg/Kg 130 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 122 70 - 130 o-Terphenyl 136 S1+

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA

Prep Batch: 48660 RPD

Sample Sample MSD MSD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <49.9 U 999 Gasoline Range Organics 1219 117 70 - 130 6 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 999 1487 F1 mg/Kg 146 70 - 130 11 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 138 S1+ 70 - 130 151 S1+ 70 - 130 o-Terphenyl

Job ID: 880-25940-2

SDG: Eddy Co. NM

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A

Lab Sample ID: LCS 880-48645/2-A

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 48689

Matrix: Solid

Matrix: Solid

мв мв

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 03/17/23 01:50

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analysis Batch: 48689

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 272.8 mg/Kg 109 90 - 110

Lab Sample ID: LCSD 880-48645/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 48689

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 273.5 mg/Kg 109 90 - 110

Lab Sample ID: 880-25935-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48689

Spike MS MS Sample Sample %Rec Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits 325.2 F1 Chloride 12.7 F1 252 124 90 - 110 mg/Kg

Lab Sample ID: 880-25935-A-1-C MSD

Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 12.7 F1 252 327.1 F1 mg/Kg 125 90 - 110 20

QC Association Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25940-2 SDG: Eddy Co. NM

GC VOA

Prep Batch: 48845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25940-1	S6	Total/NA	Solid	5035	
MB 880-48845/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25938-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-25938-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25940-1	S6	Total/NA	Solid	8021B	48845
MB 880-48845/5-A	Method Blank	Total/NA	Solid	8021B	48845
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	8021B	48845
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48845
880-25938-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	48845
880-25938-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48845

Analysis Batch: 49080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25940-1	S6	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID 880-25940-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID 880-25940-1	Client Sample ID S6	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25940-1	S6	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25940-1	S6	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25940-2
SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 48645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25940-1	S6	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

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Lab Chronicle

Client: Fasken Oil and Ranch Job ID: 880-25940-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S6 Lab Sample ID: 880-25940-1

Date Collected: 03/13/23 10:30 Matrix: Solid Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	48845	03/17/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49009	03/20/23 16:46	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			49080	03/21/23 09:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48774	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 02:10	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 02:48	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25940-2
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority Texas		ogram	Identification Number	Expiration Date
		ELAP	T104704400-22-25	06-30-23
The fellowing analytes	and the standard to the same and to		and the contract of the contra	
the agency does not of	• •	ut the laboratory is not certific	ed by the governing authority. This list ma	ay include analytes for
0 ,	• •	ut the laboratory is not certilion Matrix	ed by the governing authority. This list ma	ay include analytes for
the agency does not of	fer certification.	•	, , ,	ay include analytes for

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25940-2

SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Page 16 of 19 3/21/2023 Released to Imaging: 9/11/2023 2:07:07 PM

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25940-2

SDG.	⊏uuy	CO.	INIVI

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25940-1	S6	Solid	03/13/23 10:30	03/14/23 16:40	0-6"

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Xenco

Project Manager

Company Name

City, State ZIP

Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

Address City State ZIP

Company Name Bill to (if different)

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) EL Paso TX (915) 585-3443 Lubbock, TX (806) 79 Hobbs NM (575) 392-7550 Carlsbad NM (575) 98 Houston TX (281) 240-4200 Dallas TX (214) 902-0300

12-0300	こうしつ
509-3334	Work Order No: 2017
94-1296	
88-3199	
	www.xenco.com Page of
	Work Order Comments
	Program UST/PST PRP Brownfields RRC Superfund
	State of Project
	Reporting Level II Level III PST/UST TRRP Level IV

ADaPT 🗆

	288-5529	-	Email granth@forl com, AddIsong@forl com	om, A	ldisong@forl	com	Deliverables EDD [_]	ADaPT LL 0	Other
Project Name EL	L PASO FED #3		Turn Around	Drage		ANALYSIS REQU	NEST	Prese	Preservative Codes
Project Number		Ro	Routine 🛭 Rush	Code				None NO	Di Water H ₂ O
Project Location	ENDY GO NA	Due Date	late 24 HZ						Model Model
Sampler's Name	Addison Guelker		TAT starts the day received by	1				HCI HC	HNO IN
PO#		the lat	the lab if received by 4 30pm	s				E 00 E	NaOE No
SAMPLE RECEIPT	Tepas Blank	Yes (No) Wet Ice	ice (res) No	eter				H-BO HB	Nacci
Samples Received Intact	(Yes) No	ometer (7	ram				Name of the	2000
Cooler Custody Seals	Yes No NIA	orrection Factor	12/1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/	Pai				Nai ioo ii aa	7010
ample Custody Scale		Correction Factor		F				Na ₂ S ₂ O ₃ NaSO ₃	aSO ₃
Sample Cusiony Seals.	Tes NO NIA	remperature Reading		I	3			Zn Acetate+NaOH Zn	⊦NaOH Zn
Total Containers.		Corrected Temperature	ture 6	L., .	21E	DE		NaOH+Asc	NaOH+Ascorbic Acid SAPC
Sample Identification	Matrix	Date Time Sampled Sampled	te Depth Grab/	Cont	PH 801 TEX 80	HLORI		Samp	Sample Comments
56	s 3	115/23 10:30	0,6,	寸		70			
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							88	25940 Chain at 0	
								or contain or custody	stody
Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM	13PPM Texas 11		Al Sb As Ba Be	B Cd Ca Cr Co Cu Fe Pb	Mg Mn Mo Ni K Se	Ag SiO₂ Na Sr Tl Sn U V Zn	'n∪∨Zn
rcle Method(s) and N	Circle Method(s) and Metal(s) to be analyzed		7/SPLP 6010 8R	CRA	Sb As Ba E	TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U		Hg 1631 / 245 1 / 7470 / 7471	70 / 7471
tice Signature of this docun	ment and relinquishment of s	samples constitutes a	valid purchase order from	n client c	ompany to Eurofi	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors.	It assigns standard terms and	onditions	
service Eurofins Xenco will Eurofins Xenco A minimum	l be liable only for the cost o n charge of \$85.00 will be ap	of samples and shall n plied to each project	ot assume any responsib and a charge of \$5 for ea	ility for a h sample	ny losses or expe	of service Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	re due to circumstances beyond	the control sly negotiated.	
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Revised Date 08/25/2020 Rev 2020.2

3/21/2023

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25940-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25940 List Number: 1

<6mm (1/4").

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/21/2023 8:29:41 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25941-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/21/2023 8:29:41 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25941-2
SDG: Eddy Co. NM

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Qualifier Description

Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25941-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Qualifiers

GC	VOA
Qual	ifier

*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualitier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.							
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis							
%R	Percent Recovery							
CFL	Contains Free Liquid							
CFU	Colony Forming Unit							
CNF	Contains No Free Liquid							
DER	Duplicate Error Ratio (normalized absolute difference)							
Dil Fac	Dilution Factor							

DLC

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25941-2
SDG: Eddy Co. NM

Job ID: 880-25941-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25941-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S7 (880-25941-1).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48845 and analytical batch 880-49009 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The LCSD was biased low due to a poor injection. The method requires only and LCS or LCSD be acceptable; therefore the data was qualified and reported.(LCSD 880-48845/2-A)

Method 8021B: Surrogate recovery for the following samples were outside control limits: S7 (880-25941-1) and (880-25938-A-1-G). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S7 (880-25941-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25941-2
SDG: Eddy Co. NM

Client Sample ID: S7 Lab Sample ID: 880-25941-1

Date Collected: 03/13/23 10:40

Date Received: 03/14/23 16:40

Matrix: Solid

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		03/17/23 13:21	03/20/23 17:07	
Toluene	<0.00199	U	0.00199		mg/Kg		03/17/23 13:21	03/20/23 17:07	
Ethylbenzene	< 0.00199	U *- *1	0.00199		mg/Kg		03/17/23 13:21	03/20/23 17:07	
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		03/17/23 13:21	03/20/23 17:07	
o-Xylene	< 0.00199	U *- *1	0.00199		mg/Kg		03/17/23 13:21	03/20/23 17:07	
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		03/17/23 13:21	03/20/23 17:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130				03/17/23 13:21	03/20/23 17:07	
1,4-Difluorobenzene (Surr)	75		70 - 130				03/17/23 13:21	03/20/23 17:07	
Method: TAL SOP Total BTEX - 1	otal BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
: Method: SW846 8015 NM - Diese	l Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	52.7		50.0		mg/Kg			03/16/23 14:26	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/16/23 02:32	
Diesel Range Organics (Over C10-C28)	52.7		50.0		mg/Kg		03/15/23 11:41	03/16/23 02:32	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/16/23 02:32	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 130				03/15/23 11:41	03/16/23 02:32	
o-Terphenyl	121		70 - 130				03/15/23 11:41	03/16/23 02:32	
•									
Method: EPA 300.0 - Anions, Ion	• •	•							
Method: EPA 300.0 - Anions, Ion Analyte Chloride	• •	ohy - Solubl Qualifier	RL 4.98	MDL	Unit mg/Kg	D	Prepared	Analyzed 03/17/23 02:53	Dil Fa

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25941-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25938-A-1-E MS	Matrix Spike	119	79	
880-25938-A-1-F MSD	Matrix Spike Duplicate	120	80	
880-25941-1	S7	62 S1-	75	
LCS 880-48845/1-A	Lab Control Sample	102	96	
LCSD 880-48845/2-A	Lab Control Sample Dup	56 S1-	103	
MB 880-48845/5-A	Method Blank	94	87	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			
DFBZ = 1,4-Difluoroben	zene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25941-1	S7	100	121	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25941-2

SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48845/5-A

Lab Sample ID: LCS 880-48845/1-A

Matrix: Solid Analysis Batch: 49009 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48845

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/17/23 13:21	03/20/23 15:43	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/17/23 13:21	03/20/23 15:43	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	03/17/23 13:21	03/20/23 15:43	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/17/23 13:21	03/20/23 15:43	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48845

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09326 mg/Kg 93 70 - 130 Toluene 0.100 0.09579 mg/Kg 96 70 - 130 0.100 92 Ethylbenzene 0.09204 mg/Kg 70 - 130 0.200 0.1886 94 70 - 130 m-Xylene & p-Xylene mg/Kg 0.100 0.09522 70 - 130 o-Xylene mg/Kg

LCS LCS

4-Bromofluorobenzene (Surr)	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Matrix: Solid

Analysis Batch: 49009

Analysis Batch: 49009

Lab Sample ID: LCSD 880-48845/2-A

Prep Type: Total/NA Prep Batch: 48845

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07547		mg/Kg		75	70 - 130	21	35
Toluene	0.100	0.07825		mg/Kg		78	70 - 130	20	35
Ethylbenzene	0.100	0.06345	*- *1	mg/Kg		63	70 - 130	37	35
m-Xylene & p-Xylene	0.200	0.1122	*- *1	mg/Kg		56	70 - 130	51	35
o-Xylene	0.100	0.05505	*- *1	mg/Kg		55	70 - 130	53	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-25938-A-1-E MS

Matrix: Solid

Analysis Batch: 49009

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 48845

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1	0.101	0.05943	F1	mg/Kg	_	58	70 - 130	
Toluene	<0.00202	U F1	0.101	0.08445		mg/Kg		84	70 - 130	

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25941-2 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25938-A-1-F MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 49009

Lab Sample ID: 880-25938-A-1-E MS Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48845

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00202	U *- *1	0.101	0.09502		mg/Kg		94	70 - 130	
m-Xylene & p-Xylene	<0.00403	U *- *1	0.201	0.1933		mg/Kg		96	70 - 130	
o-Xylene	<0.00202	U *- *1	0.101	0.09751		mg/Kg		97	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1,4-Difluorobenzene (Surr)	79	70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48845

Analysis Batch: 49009

Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.101 Benzene <0.00202 UF1 0.04959 F1 mg/Kg 49 70 - 130 18 35 Toluene <0.00202 UF1 0.101 0.06820 F1 mg/Kg 68 70 - 130 21 35 Ethylbenzene <0.00202 U *- *1 0.101 0.07637 mg/Kg 76 70 - 130 22 35 <0.00403 U *- *1 0.202 77 70 - 130 22 35 m-Xylene & p-Xylene 0.1548 mg/Kg <0.00202 U *- *1 0.101 0.07970 79 70 - 130 20 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	80		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 48660

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130	03/15/23 11:41	03/15/23 19:59	1
o-Terphenyl	190	S1+	70 - 130	03/15/23 11:41	03/15/23 19:59	1

Lab Sample ID: LCS 880-48660/2-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 48660

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	864.0		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	936.4		mg/Kg		94	70 - 130	
C10-C28)								

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25941-2 SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-48660/2-A

Lab Sample ID: LCSD 880-48660/3-A

Lab Sample ID: 880-25961-A-21-C MS

Lab Sample ID: 880-25961-A-21-D MSD

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 128 70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Analysis Batch: 48633 Prep Batch: 48660 Spike LCSD LCSD %Rec RPD

Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit 1000 939.1 94 70 - 1308 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 905.2 91 mg/Kg 70 - 1303 20

C10-C28)

Matrix: Solid

Analysis Batch: 48633

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 104 127 70 - 130 o-Terphenyl

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48660

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits D Gasoline Range Organics <49.9 U 998 1145 mg/Kg 110 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 998 1327 mg/Kg 130 70 - 130

C10-C28)

MS MS

%Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 122 70 - 130 o-Terphenyl 136 S1+

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 48660

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit <49.9 U 999 Gasoline Range Organics 1219 117 70 - 130 6 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 999 1487 F1 mg/Kg 146 70 - 130 11 20

C10-C28)

Matrix: Solid

Analysis Batch: 48633

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 138 S1+ 70 - 130 151 S1+ 70 - 130 o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25941-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A **Matrix: Solid**

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 48689

Analyte Chloride

IVID	MD								
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
<5.00	U	5.00		ma/Ka			03/17/23 01:50	1	

Lab Sample ID: LCS 880-48645/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

MD MD

Prep Type: Soluble

Analysis Batch: 48689

	Бріке	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	272.8	-	mg/Kg	_	109	90 - 110	

Lab Sample ID: LCSD 880-48645/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Soluble

Analysis Batch: 48689

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 273.5 109 90 - 110 mg/Kg

Lab Sample ID: 880-25935-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	12.7	F1	252	325.2	F1	mg/Kg		124	90 - 110	

Lab Sample ID: 880-25935-A-1-C MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48689

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	12.7	F1	252	327.1	F1	mg/Kg		125	90 - 110	1	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25941-2 SDG: Eddy Co. NM

GC VOA

Prep Batch: 48845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25941-1	S7	Total/NA	Solid	5035	
MB 880-48845/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25938-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
880-25938-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 49009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25941-1	S7	Total/NA	Solid	8021B	48845
MB 880-48845/5-A	Method Blank	Total/NA	Solid	8021B	48845
LCS 880-48845/1-A	Lab Control Sample	Total/NA	Solid	8021B	48845
LCSD 880-48845/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48845
880-25938-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	48845
880-25938-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48845

Analysis Batch: 49081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25941-1	S7	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID 880-25941-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID 880-25941-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25941-1	S7	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25941-1	S7	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25941-2
SDG: Eddy Co. NM

HPLC/IC (Continued)

Leach Batch: 48645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25941-1	S7	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

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Date Received: 03/14/23 16:40

Lab Chronicle

Client: Fasken Oil and Ranch Job ID: 880-25941-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S7 Lab Sample ID: 880-25941-1 Date Collected: 03/13/23 10:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	48845	03/17/23 13:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49009	03/20/23 17:07	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			49081	03/21/23 09:02	AJ	EET MID
Total/NA	Analysis	8015 NM		1			48775	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 02:32	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 02:53	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25941-2
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report hi	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for a
the agency does not of		at the laboratory is not certific	ed by the governing additionty. This list his	ay ilicidde allaiytes loi v
0 ,		Matrix	Analyte	ay include analytes for t
the agency does not of	fer certification.	•	, , ,	ay include analytes for v

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25941-2 SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25941-2 SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25941-1	S7	Solid	03/13/23 10:40	03/14/23 16:40	0-6"

o thealthal

City, State ZIP

Address

6101 Holiday Hill Road Midland TX 79707

Fasken Oil and Ranch Grant Huckabay

Company Name Project Manager

Chain of Custody

Reporting Level III Level III PST/UST TRRP Level IV		City State ZIP	
State of Project		Address	
Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐		Company Name	
Work Order Comments		Bill to (if different)	
www.xenco.com Page of			
	Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199	Hobbs NM	
	EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296	EL Paso TX	
Work Order No:	Midland TX (432) 704-5440 San Antonio TX (210) 509-3334	Midland TX (S. S.
	Houston TX (281) 240-4200 Dallas TX (214) 902-0300	Houston 13	74 di- 2 p. 16 p. 16

TPH 8015M X BTEX 8021B X CHLORIDE	me Depth Comp Cont TPH 8015M X BTEX 8021B	me Depth Comp Cont TPH 8015M X BTEX 8021B	me Depth Grab/ # of Comp Cont TPH 8015M X BTEX 8021B	me Depth Comp Cont TPH 8015M X BTEX 8021B	me Depth Grab/ Piled Comp Cont TPH 8015M X BTEX 8021B X CHLORIDE	ding Silv Property of Graby # of Comp Comp Comp Comp Comp Comp Comp Comp	Depth Grab/ # of Comp Cont TPH 8015M X X X BTEX 8021B CHARGE CONT CONT TPH 8015M AND CONT TPH 8015M A	ing S. U me Depth Grab/ # of H EX NO 21B Comp Cont PH BT EX NO 21B X X X 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K S LP/SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Stature Reading Statur	ding SAN Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni Se Ag Ti U sa valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard term rand a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless
X	X	X	X	X	X	X	X Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K	Mg Mn Mo Ni K	As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag Sio. As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 163 As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 163 As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 163 As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 163 As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 163	As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mn Mo Ni K Se Ag SiO ₂ As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mn Mo Ni K Se Ag SiO ₂ As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mn Mo Ni K Se Ag SiO ₂ As Ba Be B C

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25941-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25941 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Eurofins Midland

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 4/3/2023 4:22:50 PM

JOB DESCRIPTION

El Paso Federal #3 SDG NUMBER Eddy, NM

JOB NUMBER

880-26413-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

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Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

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Client: Fasken Oil and Ranch

Project/Site: El Paso Federal #3

Laboratory Job ID: 880-26413-1 SDG: Eddy, NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-26413-1 Project/Site: El Paso Federal #3 SDG: Eddy, NM

Qualifiers

GC VOA Qualifier

Qualifier Description S1-Surrogate recovery exceeds control limits, low biased. U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis %R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

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Released to Imaging: 9/11/2023 2:07:07 PM

Case Narrative

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1 SDG: Eddy, NM

Job ID: 880-26413-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-26413-1

Receipt

The sample was received on 3/27/2023 4:37 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S8 (880-26413-1).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: S8 (880-26413-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-49807/2-A) and (LCSD 880-49807/3-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1

Lab Sample ID: 880-26413-1

SDG: Eddy, NM

Matrix: Solid

Client Sample ID: S8

Date Collected: 03/27/23 10:00 Date Received: 03/27/23 16:37

Released to Imaging: 9/11/2023 2:07:07 PM

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/29/23 10:15	03/30/23 11:09	
Toluene	<0.00198	U	0.00198		mg/Kg		03/29/23 10:15	03/30/23 11:09	•
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/29/23 10:15	03/30/23 11:09	
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		03/29/23 10:15	03/30/23 11:09	
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/29/23 10:15	03/30/23 11:09	
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/29/23 10:15	03/30/23 11:09	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	57	S1-	70 - 130				03/29/23 10:15	03/30/23 11:09	
1,4-Difluorobenzene (Surr)	75		70 - 130				03/29/23 10:15	03/30/23 11:09	
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/30/23 13:37	-
Method: SW846 8015 NM - Diese Analyte	•	Qualifier	RL						
			RL.	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.8	- <u> </u>	49.8	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/30/23 12:10	
- -	<49.8	U	49.8	MDL		<u>D</u>	Prepared		
: Method: SW846 8015B NM - Die:	<49.8 sel Range Orga	U unics (DRO)	49.8 (GC)		mg/Kg			03/30/23 12:10	,
Method: SW846 8015B NM - Die: Analyte	<49.8 sel Range Orga Result	unics (DRO) Qualifier	49.8 (GC)		mg/Kg	<u>D</u>	Prepared	03/30/23 12:10 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.8 sel Range Orga	unics (DRO) Qualifier	49.8 (GC)		mg/Kg			03/30/23 12:10	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10	<49.8 sel Range Orga Result	unics (DRO) Qualifier	49.8 (GC)		mg/Kg		Prepared	03/30/23 12:10 Analyzed	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.8 sel Range Orga Result <49.8	unics (DRO) Qualifier	49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 03/29/23 10:16	03/30/23 12:10 Analyzed 03/30/23 02:17	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.8 sel Range Orga Result <49.8	unics (DRO) Qualifier U	49.8 (GC) RL 49.8		mg/Kg Unit mg/Kg		Prepared 03/29/23 10:16	03/30/23 12:10 Analyzed 03/30/23 02:17	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.8 sel Range Orga Result <49.8 <49.8	unics (DRO) Qualifier U	49.8 (GC) RL 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/29/23 10:16 03/29/23 10:16	03/30/23 12:10 Analyzed 03/30/23 02:17 03/30/23 02:17	Dil Fa
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.8 sel Range Orga Result <49.8 <49.8 <49.8	unics (DRO) Qualifier U	49.8 (GC) RL 49.8 49.8 49.8		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/29/23 10:16 03/29/23 10:16 03/29/23 10:16	03/30/23 12:10 Analyzed 03/30/23 02:17 03/30/23 02:17	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery	unics (DRO) Qualifier U	49.8 (GC) RL 49.8 49.8 49.8 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/29/23 10:16 03/29/23 10:16 03/29/23 10:16 Prepared	03/30/23 12:10 Analyzed 03/30/23 02:17 03/30/23 02:17 03/30/23 02:17 Analyzed	Dil Fac
Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 <80.8 %Recovery 95 106	U unics (DRO) Qualifier U U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/29/23 10:16 03/29/23 10:16 03/29/23 10:16 Prepared 03/29/23 10:16	03/30/23 12:10 Analyzed 03/30/23 02:17 03/30/23 02:17 03/30/23 02:17 Analyzed 03/30/23 02:17	Dil Fac
Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion Analyte	<49.8 sel Range Orga Result <49.8 <49.8 <49.8 %Recovery 95 106 a Chromatograp	U unics (DRO) Qualifier U U U Qualifier	49.8 (GC) RL 49.8 49.8 49.8 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 03/29/23 10:16 03/29/23 10:16 03/29/23 10:16 Prepared 03/29/23 10:16	03/30/23 12:10 Analyzed 03/30/23 02:17 03/30/23 02:17 03/30/23 02:17 Analyzed 03/30/23 02:17	Dil Fac

Surrogate Summary

Client: Fasken Oil and Ranch Job ID: 880-26413-1 Project/Site: El Paso Federal #3 SDG: Eddy, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-26413-1	S8	57 S1-	75	
880-26413-1 MS	S8	95	112	
880-26413-1 MSD	S8	107	103	
CS 880-49806/1-A	Lab Control Sample	90	114	
CSD 880-49806/2-A	Lab Control Sample Dup	92	114	
MB 880-49806/5-A	Method Blank	72	97	
Surrogate Legend				

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-26292-A-41-B MS	Matrix Spike	110	110
880-26292-A-41-C MSD	Matrix Spike Duplicate	105	108
380-26413-1	S8	95	106
_CS 880-49807/2-A	Lab Control Sample	127	138 S1+
_CSD 880-49807/3-A	Lab Control Sample Dup	126	136 S1+
MB 880-49807/1-A	Method Blank	115	129

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1

SDG: Eddy, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49806/5-A

Matrix: Solid

Analysis Batch: 49916

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49806

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 10:15	03/30/23 10:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 10:15	03/30/23 10:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 10:15	03/30/23 10:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/23 10:15	03/30/23 10:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 10:15	03/30/23 10:47	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		03/29/23 10:15	03/30/23 10:47	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	03/29/23 10:1	5 03/30/23 10:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130	03/29/23 10:1	5 03/30/23 10:47	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49806

Lab Sample ID: LCS 880-49806/1-A **Matrix: Solid** Analysis Batch: 49916

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1279 mg/Kg 128 70 - 130 Toluene 0.100 0.1063 mg/Kg 106 70 - 130 0.100 0.09803 Ethylbenzene mg/Kg 98 70 - 130 70 - 130 0.200 0.2012 m-Xylene & p-Xylene mg/Kg 101 0.100 0.1006 70 - 130 o-Xylene mg/Kg 101

LCS LCS

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	90	70 - 130
1,4-Difluorobenzene (Surr)	114	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 49916

Lab Sample ID: LCSD 880-49806/2-A

Prep Type: Total/NA Prep Batch: 49806

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1170		mg/Kg		117	70 - 130	9	35
Toluene	0.100	0.09934		mg/Kg		99	70 - 130	7	35
Ethylbenzene	0.100	0.09051		mg/Kg		91	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1833		mg/Kg		92	70 - 130	9	35
o-Xylene	0.100	0.09201		mg/Kg		92	70 - 130	9	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	92	70 - 130
1,4-Difluorobenzene (Surr)	114	70 - 130

Lab Sample ID: 880-26413-1 MS

Matrix: Solid

Analysis Batch: 49916

Client Sample ID: S8 Prep Type: Total/NA Prep Batch: 49806

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits <0.00198 U 0.0998 0.1080 108 70 - 130 Benzene mg/Kg Toluene <0.00198 U 0.0998 0.09466 mg/Kg 95 70 - 130

Eurofins Midland

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QC Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1

SDG: Eddy, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-26413-1 MS **Matrix: Solid**

Analysis Batch: 49916

Client Sample ID: S8 Prep Type: Total/NA

Prep Batch: 49806

•	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00198	U	0.0998	0.08655		mg/Kg		87	70 - 130	
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1762		mg/Kg		88	70 - 130	
o-Xylene	<0.00198	U	0.0998	0.08842		mg/Kg		88	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
4-Bromofluorobenzene (Surr)	95		70 - 130							
1,4-Difluorobenzene (Surr)	112		70 - 130							

Lab Sample ID: 880-26413-1 MSD

Matrix: Solid

Analysis Batch: 49916

Client Sample ID: S8 Prep Type: Total/NA Prep Batch: 49806

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U	0.101	0.1012		mg/Kg		100	70 - 130	6	35
Toluene	<0.00198	U	0.101	0.1004		mg/Kg		100	70 - 130	6	35
Ethylbenzene	<0.00198	U	0.101	0.09804		mg/Kg		97	70 - 130	12	35
m-Xylene & p-Xylene	<0.00396	U	0.202	0.2080		mg/Kg		103	70 - 130	17	35
o-Xylene	<0.00198	U	0.101	0.1049		mg/Kg		104	70 - 130	17	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-49807/1-A

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 49807

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/29/23 10:16	03/29/23 20:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/29/23 10:16	03/29/23 20:09	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/29/23 10:16	03/29/23 20:09	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	03/29/23 10:16	03/29/23 20:09	1
o-Terphenyl	129		70 - 130	03/29/23 10:16	03/29/23 20:09	1

Lab Sample ID: LCS 880-49807/2-A

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 49807

	Spike	LCS	LCS				%Rec
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	889.0		mg/Kg		89	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	872.5		mg/Kg		87	70 - 130
C10-C28)							

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1

SDG: Eddy, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-49807/2-A

Matrix: Solid

Analysis Batch: 49779

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 49807

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 127 70 - 130 o-Terphenyl 138 S1+ 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 49807

Lab Sample ID: LCSD 880-49807/3-A **Matrix: Solid** Analysis Batch: 49779

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 887.1 89 70 - 130O 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 886.9 89 mg/Kg 70 - 1302 20 C10-C28)

LCSD LCSD

Sample Sample

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 126 136 S1+ 70 - 130 o-Terphenyl

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 49807

Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 U 998 959.7 mg/Kg 94 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 998 1116 mg/Kg 112 70 - 130

Spike

MS MS

C10-C28)

Matrix: Solid

Analysis Batch: 49779

MS MS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 110

70 - 130 70 - 130 o-Terphenyl 110

Lab Sample ID: 880-26292-A-41-C MSD

Lab Sample ID: 880-26292-A-41-B MS

Analysis Batch: 49779

Matrix: Solid

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Prep Batch: 49807

RPD %Rec

Sample Sample MSD MSD Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U 999 913.6 Gasoline Range Organics <50.0 mg/Kg 90 70 - 130 5 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 1086 mg/Kg 109 70 - 130 3 20

C10-C28)

MSD MSD

Qualifier Surrogate %Recovery Limits 1-Chlorooctane 105 70 - 130 108 70 - 130 o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

SDG: Eddy, NM

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50107/1-A

Matrix: Solid

Analysis Batch: 50198

MB MB

MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 04/03/23 11:52

Lab Sample ID: LCS 880-50107/2-A

Matrix: Solid

Analysis Batch: 50198

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 250.0 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-50107/3-A

Matrix: Solid

Analysis Batch: 50198

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.2 mg/Kg 100 90 - 110

Lab Sample ID: 890-4448-A-1-C MS

Matrix: Solid

Analysis Batch: 50198

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added %Rec Result Qualifier Unit Limits Chloride 568 1260 1939 109 90 - 110 mg/Kg

Lab Sample ID: 890-4448-A-1-D MSD

Matrix: Solid

Analysis Batch: 50198

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 1260 Chloride 568 1935 mg/Kg 109 90 - 110 0 20

QC Association Summary

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1 SDG: Eddy, NM

GC VOA

Prep Batch: 49806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26413-1	S8	Total/NA	Solid	5035	
MB 880-49806/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49806/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49806/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26413-1 MS	S8	Total/NA	Solid	5035	
880-26413-1 MSD	S8	Total/NA	Solid	5035	

Analysis Batch: 49916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26413-1	S8	Total/NA	Solid	8021B	49806
MB 880-49806/5-A	Method Blank	Total/NA	Solid	8021B	49806
LCS 880-49806/1-A	Lab Control Sample	Total/NA	Solid	8021B	49806
LCSD 880-49806/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	49806
880-26413-1 MS	S8	Total/NA	Solid	8021B	49806
880-26413-1 MSD	S8	Total/NA	Solid	8021B	49806

Analysis Batch: 49968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26413-1	S8	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 49779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26413-1	S8	Total/NA	Solid	8015B NM	49807
MB 880-49807/1-A	Method Blank	Total/NA	Solid	8015B NM	49807
LCS 880-49807/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49807
LCSD 880-49807/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49807
880-26292-A-41-B MS	Matrix Spike	Total/NA	Solid	8015B NM	49807
880-26292-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	49807

Prep Batch: 49807

Lab Sample ID 880-26413-1	Client Sample ID	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-49807/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49807/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49807/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26292-A-41-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-26292-A-41-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26413-1	S8	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 50107

Released to Imaging: 9/11/2023 2:07:07 PM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26413-1	S8	Soluble	Solid	DI Leach	
MB 880-50107/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50107/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-50107/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1 SDG: Eddy, NM

HPLC/IC (Continued)

Leach Batch: 50107 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4448-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-4448-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 50198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26413-1	S8	Soluble	Solid	300.0	50107
MB 880-50107/1-A	Method Blank	Soluble	Solid	300.0	50107
LCS 880-50107/2-A	Lab Control Sample	Soluble	Solid	300.0	50107
LCSD 880-50107/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50107
890-4448-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	50107
890-4448-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	50107

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Job ID: 880-26413-1

SDG: Eddy, NM

Client Sample ID: S8

Client: Fasken Oil and Ranch

Project/Site: El Paso Federal #3

Lab Sample ID: 880-26413-1

Matrix: Solid

Date Collected: 03/27/23 10:00

Date Received: 03/27/23 16:37

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	49806	03/29/23 10:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49916	03/30/23 11:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49968	03/30/23 13:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			49927	03/30/23 12:10	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	49807	03/29/23 10:16	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49779	03/30/23 02:17	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50107	04/03/23 06:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50198	04/03/23 14:22	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso Federal #3
Job ID: 880-26413-1
SDG: Eddy, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date 06-30-23	
Texas	NELAP		T104704400-22-25		
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the agency does not of	• •	ut the laboratory is not certific	ed by the governing authority. This list ma	ay include analytes for	
0 ,	• •	ut the laboratory is not certilion Matrix	ed by the governing authority. This list ma	ay include analytes for	
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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1

SDG: Eddy, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso Federal #3 Job ID: 880-26413-1

SDG: Eddy, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-26413-1	S8	Solid	03/27/23 10:00	03/27/23 16:37	0-6"

: eurofins

X CC

Address City State ZIP

6101 Holiday Hill Road Midland TX 79707

City, State ZIP

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ **Work Order Comments**

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State of Project

Company Name Bill to (if different)

Address.

Fasken Oil and Ranch Grant Huckabay

Project Manager Company Name

Chain of Custody

Houston TX (281) 240-42 Midland TX (432) 704-5440 EL Paso TX (915) 585-344 Hobbs NM (575) 392-755

00 Dallas TX (214) 902-0300	2	ところに
San Antonio TX (210) 509-3334	Work Order No:	
\$3 Lubbock TX (806) 794-1296		
Carlsbad NM (575) 988-3199		

Phone 432	432-288-5529		Email gr	Email granth@forl.com, Addisong@forl.com	m, Ado	disong	@for	com					_	eliver.	Deliverables EDD	EDD			ADaPT 🗆		C	Other		
Project Name.	WEL PASO F	FEDERAL #3	Turn Around	round						>	ANALYSIS R	SIS	REQUEST	EST							Pres	ervat	Preservative Codes	odes
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SAMPLE RECEIPT	Temp Blank	Yes (No	Wet Ice	Yes No	eter															L 20	7 LZ		á	NaCi
Samples Received Intact		-	ē	\mathcal{M}	ram																131 O4 111	5		
Cooler Custody Seals	Yes		actor	26/1/	Par															Nan	Namoo4 Nabio	ABIO		
Sample Custody Seals	No.	-	Reading /		<u> </u>															Na ₂ S	203	Na ₂ S ₂ U ₃ NaSU ₃		
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rotal containers.		Corrected Lemperature	mperature	7:0	رد ندرد	15N	021	IDE												Nao	H+Asc	orbic	NaOH+Ascorbic Acid SAPC	SAPC
Sample Identification	ation Matrix	X Sampled	Time D	Depth Grab/	# of Cont	TPH 80	BTEX 8	CHLOR												:	Sam	ple C	Sample Comments	ents
80	S	3/27/23	00 00	0-6" 6		X	X		-		1-1	4-4								= 1		1		
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						\perp			<u> </u>		200-20413 Chain	Chai	of C	of Custody										
		1								_														
Total 200.7 / 6010	200.8 / 6020:	8R	8RCRA 13PPM	1 Texas 11 Al	Al Sb	As Ba	за Ве	ω∥	Cd Ca	Ω Ω	Cr Co Cu	Fe	Pb N	Ω <u>X</u>	Pb Mg Mn Mo Ni K Se	<u> </u>	Se	Aa	SIO,	Na Sr	r TI Sn	Sn U	\ Zn	3
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be ana	lyzed	TCLP / SPLP 6010	P 6010 8RCRA		Sb As Ba	ВаЕ	Be Cd	Cr Co		Cu Pb Mn Mo Ni Se Ag	Mn	ō Z	Se	Ag ⊤	I U		Hg 1	631 /	245		70 /	/7471	
Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotia	ment and relinquishmer Il be liable only for the c n charge of \$85.00 will t	it of samples consi ost of samples and se applied to each	iitutes a valid purc I shall not assume project and a char	chase order from o any responsibilitinge of \$5 for each	lient co	mpany to losses	o Eurofi or expe id to Eu	ns Xenders in Research	o, its af curred b	filiates y the cl	and sub ient if su	contrac ich loss	tors. It	assigns due to c	tors. It assigns standard terms and conditions tors are due to circumstances beyond the control terms will be enforced unless previously negotiated	ard ten	ns and beyond	condit	ions ontrol	٠				
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5					1			6																
																					Revi	Revised Date	10126780	08/25/2020 Rev 2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-26413-1

SDG Number: Eddy, NM

List Source: Eurofins Midland

List Number: 1

Login Number: 26413

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/17/2023 10:25:53 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25943-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/17/2023 10:25:53 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440 10

12

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25943-1
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25943-1
SDG: Eddy Co. NM

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Qualifiers

GC Semi VOA

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

5

HPLC/IC

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

7

Indicates the analyte was analyzed for but not detected.

8

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery

CFL Contains Free Liquid

CFU Colony Forming Unit

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25943-1
SDG: Eddy Co. NM

Job ID: 880-25943-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25943-1

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S9 (880-25943-1).

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S9 (880-25943-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25943-1 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S9 Lab Sample ID: 880-25943-1

Date Collected: 03/13/23 11:00 Matrix: Solid Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Method: SW846 8015 NM - Diese	I Range Organi	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/16/23 14:26	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 03:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 03:15	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 03:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/15/23 11:41	03/16/23 03:15	1
o-Terphenyl	122		70 - 130				03/15/23 11:41	03/16/23 03:15	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.2		5.03		mg/Kg			03/17/23 03:02	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25943-1
SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25943-1	S9	99	122	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

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Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25943-1 SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A

Analysis Batch: 48633

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48660

	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				03/15/23 11:41	03/15/23 19:59	1
o-Terphenyl	190	S1+	70 - 130				03/15/23 11:41	03/15/23 19:59	1

Lab Sample ID: LCS 880-48660/2-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48660

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 864.0 86 70 - 130 mg/Kg (GRO)-C6-C10 1000 936.4 Diesel Range Organics (Over mg/Kg 94 70 - 130C10-C28)

LCS LCS

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 104 70 - 130 o-Terphenyl 128 70 - 130

Lab Sample ID: LCSD 880-48660/3-A

Matrix: Solid

Analysis Batch: 48633

Client Sample	ID: Lab	Control	Sample	Dup
---------------	---------	---------	--------	-----

Prep Type: Total/NA

Prep Batch: 48660

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier RPD Limit Unit %Rec Limits Gasoline Range Organics 1000 939.1 mg/Kg 94 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 905.2 mg/Kg 91 70 - 130 3 20 C10-C28)

LCSD LCSD

Qualifier Limits %Recovery Surrogate 70 - 130 1-Chlorooctane 104 127 70 - 130 o-Terphenyl

Lab Sample ID: 880-25961-A-21-C MS

Matrix: Solid

Analysis Batch: 48633

Client	Samn	le ID:	Matrix	Snike
Ollelit	Janip	יםו פו	Manix	Opine

Prep Type: Total/NA

Prep Batch: 48660

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	<49.9	U	998	1145	-	mg/Kg		110	70 - 130	 	
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U F1	998	1327		mg/Kg		130	70 - 130		
C10-C28)											

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Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25943-1 SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25961-A-21-C MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 48633 Prep Batch: 48660

MS MS Surrogate %Recovery Qualifier Limits

1-Chlorooctane 122 70 - 130 o-Terphenyl 136 S1+ 70 - 130

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA Analysis Batch: 48633 Prep Batch: 48660

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit <49.9 U 999 1219 117 70 - 1306 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 <49.9 U F1 1487 F1 mg/Kg 146 70 - 13020 11 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 138 S1+ 70 - 130 1-Chlorooctane 151 S1+ 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 48689

Chloride

Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 5.00 Chloride <5.00 U mg/Kg 03/17/23 01:50

Lab Sample ID: LCS 880-48645/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits

250

мв мв

Lab Sample ID: LCSD 880-48645/3-A Client Sample ID: Lab Control Sample Dup

272.8

mg/Kg

109

Matrix: Solid Prep Type: Soluble Analysis Batch: 48689

Spike LCSD LCSD %Rec RPD Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit

Chloride 250 273.5 109 90 - 110 20 mg/Kg

Lab Sample ID: 880-25935-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier %Rec Limits Unit

F1 252 Chloride 12.7 325.2 F1 mg/Kg 124 90 - 110

Eurofins Midland

Analysis Batch: 48689

90 - 110

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25943-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-25935-A-1-C MSD

Matrix: Solid

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analysis Batch: 48689

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	12.7	F1	252	327.1	F1	mg/Kg		125	90 - 110	1	20

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QC Association Summary

Client: Fasken Oil and Ranch Job ID: 880-25943-1 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Total/NA	Solid	8015B NM	48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Total/NA	Solid	8015NM Prep	
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25943-1
SDG: Eddy Co. NM

Client Sample ID: S9 Lab Sample ID: 880-25943-1

Date Collected: 03/13/23 11:00 Matrix: Solid
Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48777	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 03:02	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25943-1
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report. bu	it the laboratory is not certifi	ed by the governing authority. This list ma	
ine telleting analytee			ou by the governing dualency. This not me	ly include analytes to
the agency does not of	• •	,	ou by the governming during.	ly include analytes to
0 ,	• •	Matrix	Analyte	y include analytes to

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25943-1

SDG: Eddy Co. NM

Protocol	Laboratory
SW846	EET MID
SW846	EET MID
EPA	EET MID

EET MID

EET MID

EPA

SW846

ASTM

Protocol References:

Method

8015 NM

8015B NM

DI Leach

8015NM Prep

300.0

ASTM = ASTM International

EPA = US Environmental Protection Agency

Microextraction

Method Description

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25943-1 SDG: Eddy Co. NM

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received
 Depth

 880-25943-1
 S9
 Solid
 03/13/23 11:00
 03/14/23 16:40
 0-6"

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Carofins

Project Manager

Company Name

6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

City, State ZIP

432-288-5529 Midland TX 79707

City State ZIP

Company Name Bill to (if different)

State of Project

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www xenco.com

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Reporting Level II
Level III PST/UST
TRRP

Level IV

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199 Houston TX (281) 240-4200 Dallas TX (214) 902-0300

Work Order No:	
25943	

Phone 4	432-288-5529	Email granth@forl com, AddIsong@forl com	om, Addisong@forl		Deliverables EDD 🔲 💮 ADaPT 🗀	☐ Other
Project Name	EL PASO FED 43	Turn Around		ANALYSIS REQUEST	JEST	Preservative Codes
Project Number		Routine 🔀 Rush	Pres.	_		None NO DI Water H O
Project Location	EDDY G. NM	Due Date 24 42				
	Addison Guelker	-			I (COOL COOL MECH ME
#O#		the lab if received by 4 30pm	s			
SAMPLE RECEIPT	Temp Blank.	Yes (No) Wet Ice (Yes) No	eter			H DO HD
Samples Received Intact	(Yes) No	ometer ID	ram			NOUSO NADIO
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	Pa			No SO NOSO
Sample Custody Seals	Yes No NA	emperature Reading			7. 2	Na ₂ O ₂ O ₃ NaSO ₃
Total Containers		Tomaco N	В	:		Zn Acetate+NaOH Zn
Total Collialitets	100	Corrected Temperature 5,	021	IDE	Z	NaOH+Ascorbic Acid SAPC
Sample Identification	Matrix	Date Time Depth Comp	CO # On of TPH 80 BTEX 8	CHLOR		Sample Comments
5.0	ડ ટ	13/23/1100 10-6" 6	\times	8		7
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					- Cusiogy	Custody
				The state of the s		
Total 200.7 / 6010	0 200.8 / 6020.	8RCRA 13PPM Texas 11	Al Sb As Ba Be	B Cd Ca Cr Co Cu Fe Pb N	Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na	Sr Tl Sn U V Zn
Circle Method(s) and	Circle Method(s) and Metal(s) to be analyzed		CRA Sb As Ba B	TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo N		1631 / 245 1 / 7470 / 7471
Votice Signature of this do of service. Eurofins Xenco of Eurofins Xenco. A minin	cument and relinquishment of sa will be liable only for the cost of num charge of \$85.00 will be appl	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$8.5.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	client company to Eurofin ity for any losses or expen sample submitted to Eur	s Xenco, its affiliates and subcontractors is ses incurred by the client if such losses are offices to the set terms.	It assigns standard terms and conditions adde to circumstances beyond the control will be enforced unless previously negotiated	
Relinquished by (Signature)	(Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	re) Received by (Signature)) Date/Time
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Revised Date 08/25/2020 Rev 2020.2

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/19/2023 5:02:25 PM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25943-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/19/2023 5:02:25 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 2

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25943-2
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25943-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Qualifiers

GC VOA

MQL

NC

ND

NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Method Quantitation Limit

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Ü	indicated the driatyte vice disapped to but het decested.
Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number

Eurofins Midland

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Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25943-2
SDG: Eddy Co. NM

Job ID: 880-25943-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25943-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1° C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: \$9 (880-25943-1).

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25943-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Lab Sample ID: 880-25943-1

Matrix: Solid

Client Sample ID: S9 Date Collected: 03/13/23 11:00

Date Received: 03/14/23 16:40 Sample Depth: 0-6"

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00201	U	0.00201		mg/Kg		03/16/23 13:48	03/18/23 02:48	
Toluene	<0.00201	U	0.00201		mg/Kg		03/16/23 13:48	03/18/23 02:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/16/23 13:48	03/18/23 02:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/16/23 13:48	03/18/23 02:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/16/23 13:48	03/18/23 02:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/16/23 13:48	03/18/23 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	122		70 - 130				03/16/23 13:48	03/18/23 02:48	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/16/23 13:48	03/18/23 02:48	1
- Method: TAL SOP Total BTEX	- Total BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg		-	03/19/23 17:21	1

Eurofins Midland

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25943-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25886-A-1-I MS	Matrix Spike	129	119	
880-25886-A-1-J MSD	Matrix Spike Duplicate	114	99	
880-25943-1	S9	122	93	
LCS 880-48761/1-A	Lab Control Sample	120	101	
LCSD 880-48761/2-A	Lab Control Sample Dup	116	102	
MB 880-48761/5-A	Method Blank	71	85	
Surrogate Legend				
BFB = 4-Bromofluorobenzene	(Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Eurofins Midland

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Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Method: 8021B - Volatile Organic Compounds (GC)

Job ID: 880-25943-2

SDG: Eddy Co. NM

Lab Sample ID: MB 880-48761/5-A

Matrix: Solid

Analysis Batch: 48846

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48761

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/23 13:48	03/17/23 17:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Pr	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	03/16	6/23 13:48	03/17/23 17:03	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/16	6/23 13:48	03/17/23 17:03	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Lab Sample ID: LCS 880-48761/1-A Matrix: Solid Analysis Batch: 48846 Prep Batch: 48761

	Spike	LUS	LUS				/orec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09986		mg/Kg		100	70 - 130	
Toluene	0.100	0.08751		mg/Kg		88	70 - 130	
Ethylbenzene	0.100	0.09805		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	0.200	0.2033		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.09759		mg/Kg		98	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	120	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 48846

Lab Sample ID: LCSD 880-48761/2-A

Prep Type: Total/NA Prep Batch: 48761

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1054		mg/Kg		105	70 - 130	5	35
Toluene	0.100	0.09177		mg/Kg		92	70 - 130	5	35
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2142		mg/Kg		107	70 - 130	5	35
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	6	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1.4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-25886-A-1-I MS

Matrix: Solid

Analysis Batch: 48846

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 48761

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.1101		mg/Kg		110	70 - 130	
Toluene	<0.00200	U	0.0998	0.09842		mg/Kg		99	70 - 130	

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QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25943-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25886-A-1-I MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA Prep Batch: 48761 Analysis Batch: 48846

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.0998	0.1033		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2180		mg/Kg		109	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.1060		mg/Kg		106	70 - 130	
	***	***								
	MS	MS								

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 129 70 - 130 1,4-Difluorobenzene (Surr) 70 - 130 119

Lab Sample ID: 880-25886-A-1-J MSD

Matrix: Solid

Analysis Batch: 48846									Prep	Batch:	48761
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.08450		mg/Kg		85	70 - 130	26	35
Toluene	<0.00200	U	0.0990	0.07617		mg/Kg		77	70 - 130	25	35
Ethylbenzene	<0.00200	U	0.0990	0.07817		mg/Kg		79	70 - 130	28	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1628		mg/Kg		82	70 - 130	29	35
o-Xylene	<0.00200	U	0.0990	0.07793		mg/Kg		79	70 - 130	31	35

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 70 - 130 114 1,4-Difluorobenzene (Surr) 99 70 - 130

Eurofins Midland

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

QC Association Summary

Client: Fasken Oil and Ranch Job ID: 880-25943-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

GC VOA

Prep Batch: 48761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Total/NA	Solid	5035	
MB 880-48761/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48761/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48761/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25886-A-1-I MS	Matrix Spike	Total/NA	Solid	5035	
880-25886-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Total/NA	Solid	8021B	48761
MB 880-48761/5-A	Method Blank	Total/NA	Solid	8021B	48761
LCS 880-48761/1-A	Lab Control Sample	Total/NA	Solid	8021B	48761
LCSD 880-48761/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48761
880-25886-A-1-I MS	Matrix Spike	Total/NA	Solid	8021B	48761
880-25886-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48761

Analysis Batch: 48934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25943-1	S9	Total/NA	Solid	Total BTEX	

Eurofins Midland

Lab Chronicle

Client: Fasken Oil and Ranch Job ID: 880-25943-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S9 Lab Sample ID: 880-25943-1

Date Collected: 03/13/23 11:00 Matrix: Solid Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48761	03/16/23 13:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48846	03/18/23 02:48	AJ	EET MID
Total/NA	Analysis	Total BTEX		1			48934	03/19/23 17:21	AJ	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch

Job ID: 880-25943-2

Project/Site: El Paso FED #3

SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority Texas		ogram	Identification Number	Expiration Date 06-30-23	
		ELAP	T104704400-22-25		
i ne following analytes	are included in this report, bu	it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for	
the agency does not of	' '	it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for	
0 ,	' '	it the laboratory is not certifi Matrix	ied by the governing authority. This list ma Analyte	ay include analytes for	

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25943-2

SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
5035	Closed System Purge and Trap	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25943-2 SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25943-1	S9	Solid	03/13/23 11:00	03/14/23 16:40	0-6"

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Project Manager

Company Name

6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

City, State ZIP

432-288-5529 Midland TX 79707

City State ZIP

Company Name Bill to (if different)

State of Project

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www xenco.com

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Deliverables EDD

Reporting Level II
Level III PST/UST
TRRP

Level IV

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199 Houston TX (281) 240-4200 Dallas TX (214) 902-0300

Work
Work Order No:
No:
300
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Phone (432-288-5529)	Email granth@forl com, Addisong@forl com	om, Addisong@f	rl com	Deliverables EDD	ADaPT Other	7
Project Name EL PAST FED #3	Turn Around		ANALYSIS REQUEST	QUEST	Preserva	Preservative Codes
Project Number	Routine 🛛 Rush	Pres.			None NO	DI Water: H-O
Project Location FDDY Co., NN	Due Date 24 #R				000	Moor Mo
Sampler's Name Addison Guelker	TAT starts the day received by				HCI HC	HNO HN
PO#	the lab if received by 4 30pm	's			H,S0, H,	NaOH Na
SAMPLE RECEIPT Temp Blank. Yes No	Wet Ice Yes No	eter			H-BO. HB	
2	1	ram			NaHSO NABI	
Yes No (N/A)	Factor 13	Pa			Na CO Naco	<u>. </u>
Yes No NA	emperature Reading				Na ₂ O ₂ O ₃ Na ₃ O ₃	
	Temperature &		E		ZII ACEIAIE+NAOH ZN	TOH Zn
***************************************	Conecied remperature 2,		RIDE		NaOH+Ascorbic Acid SAPC	ic Acid SAPC
Sample Identification Matrix Sampled	Time Depth Comp	Cont # FPH 80	CHLOR		Sample	Sample Comments
59 s 2/12/2	1100 0-6"	~ X X	8		-	
					707	
				880-25943 (880-25943 Chain of Custody	
	8RCRA 13PPM Texas 11	Al Sb As Ba Be	3e B Cd Ca Cr Co Cu Fe Pb	Mg Mn Mo Ni K Se Ag S	SiO ₂ Na Sr Ti Sn	TI Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 8RC	CRA Sb As Ba	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	Ni Se Ag Ti U Hg 1	1631 / 245 1 / 7470	/ 7471
Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously necotiated.	nstitutes a valid purchase order from and shall not assume any responsibil ch project and a charge of \$5 for eact	client company to Eu ity for any losses or e	ofins Xenco, its affiliates and subcontractors penses incurred by the client if such losses a surofins Xenco, but not analyzed These term	It assigns standard terms and conditated the conditate of the conditated the cond	ions bntrol	
Relinquished by (Signature) Received by	ed by (Signature)	Date/Time	Relinquished by (Signature)	ture) Received by (Signature)	ignature)	Date/Time
ABC ON C	A COL	2 M 2	2			
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Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25943-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25943

Creator: Rodriguez, Leticia

List Number: 1

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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Released to Imaging: 9/11/2023 2:07:07 PM

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch Job Number: 880-25943-1 SDG Number: Eddy Co. NM

Login Number: 25943 List Number: 1

List Source: Eurofins Midland

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/19/2023 5:02:42 PM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25944-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/19/2023 5:02:42 PM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25944-2
SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25944-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Qualifiers

GC VOA

NC

ND NEG

POS

PQL

QC

RER

RL RPD

TEF

TEQ

TNTC

PRES

Qualifier **Qualifier Description**

Not Calculated

Negative / Absent

Positive / Present

Presumptive

Quality Control

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Detected at the reporting limit (or MDL or EDL if shown)

Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

Eurofins Midland

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-2
SDG: Eddy Co. NM

Job ID: 880-25944-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25944-2

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S10 (880-25944-1).

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No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25944-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Lab Sample ID: 880-25944-1

Matrix: Solid

Client Sample ID: S10 Date Collected: 03/13/23 11:10

Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Method: SW846 8021B - Volat	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/18/23 03:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/18/23 03:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/18/23 03:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/16/23 13:48	03/18/23 03:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/18/23 03:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/16/23 13:48	03/18/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				03/16/23 13:48	03/18/23 03:14	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/16/23 13:48	03/18/23 03:14	1
 Method: TAL SOP Total BTEX 	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/19/23 17:21	1

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25886-A-1-I MS	Matrix Spike	129	119	
880-25886-A-1-J MSD	Matrix Spike Duplicate	114	99	
880-25944-1	S10	126	92	
LCS 880-48761/1-A	Lab Control Sample	120	101	
LCSD 880-48761/2-A	Lab Control Sample Dup	116	102	
MB 880-48761/5-A	Method Blank	71	85	
Surrogate Legend				

Eurofins Midland

Client: Fasken Oil and Ranch Job ID: 880-25944-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48761/5-A

Matrix: Solid

Analysis Batch: 48846

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48761

ı		MB	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
	Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
	Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
	o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:48	03/17/23 17:03	1
	Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/23 13:48	03/17/23 17:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	71		70 - 130	03/16/23 13:48	03/17/23 17:03	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/16/23 13:48	03/17/23 17:03	1

Lab Sample ID: LCS 880-48761/1-A

Matrix: Solid

Analysis Batch: 48846

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 48761

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09986		mg/Kg		100	70 - 130	
Toluene	0.100	0.08751		mg/Kg		88	70 - 130	
Ethylbenzene	0.100	0.09805		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	0.200	0.2033		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.09759		mg/Kg		98	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifi	er Limits
4-Bromofluorobenzene (Surr)	120	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-48761/2-A

Matrix: Solid

Analysis Batch: 48846

Prep Type: Total/NA

Prep Batch: 48761

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1054		mg/Kg		105	70 - 130	5	35	
Toluene	0.100	0.09177		mg/Kg		92	70 - 130	5	35	
Ethylbenzene	0.100	0.1022		mg/Kg		102	70 - 130	4	35	
m-Xylene & p-Xylene	0.200	0.2142		mg/Kg		107	70 - 130	5	35	
o-Xylene	0.100	0.1039		mg/Kg		104	70 - 130	6	35	

LCSD LCSD

Surrogate	%Recovery Qualifie	er Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1 4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: 880-25886-A-1-I MS

Matrix: Solid

Analysis Batch: 48846

Client Sample ID: Matrix Spike	
Prep Type: Total/NA	

Prep Batch: 48761

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.1101		mg/Kg		110	70 - 130	
Toluene	<0.00200	U	0.0998	0.09842		mg/Kg		99	70 - 130	

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QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-25886-A-1-I MS

Matrix: Solid

Analysis Batch: 48846

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 48761

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.0998	0.1033		mg/Kg		104	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.200	0.2180		mg/Kg		109	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.1060		mg/Kg		106	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.1060		mg/Kg		106	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	119		70 - 130

Lab Sample ID: 880-25886-A-1-J MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 48846 Prep Batch: 48761

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.08450		mg/Kg		85	70 - 130	26	35
Toluene	<0.00200	U	0.0990	0.07617		mg/Kg		77	70 - 130	25	35
Ethylbenzene	<0.00200	U	0.0990	0.07817		mg/Kg		79	70 - 130	28	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1628		mg/Kg		82	70 - 130	29	35
o-Xylene	<0.00200	U	0.0990	0.07793		mg/Kg		79	70 - 130	31	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-2
SDG: Eddy Co. NM

GC VOA

Prep Batch: 48761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Total/NA	Solid	5035	
MB 880-48761/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48761/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48761/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-25886-A-1-I MS	Matrix Spike	Total/NA	Solid	5035	
880-25886-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Total/NA	Solid	8021B	48761
MB 880-48761/5-A	Method Blank	Total/NA	Solid	8021B	48761
LCS 880-48761/1-A	Lab Control Sample	Total/NA	Solid	8021B	48761
LCSD 880-48761/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48761
880-25886-A-1-I MS	Matrix Spike	Total/NA	Solid	8021B	48761
880-25886-A-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48761

Analysis Batch: 48935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Total/NA	Solid	Total BTEX	

Eurofins Midland

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Lab Chronicle

Client: Fasken Oil and Ranch Job ID: 880-25944-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: S10

Date Received: 03/14/23 16:40

Lab Sample ID: 880-25944-1 Date Collected: 03/13/23 11:10

Matrix: Solid

Dil Batch Batch Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 48761 03/16/23 13:48 MNR EET MID Prep 4.99 g 5 mL 8021B Total/NA Analysis 1 5 mL 5 mL 48846 03/18/23 03:14 ΑJ EET MID Total/NA Analysis Total BTEX 48935 03/19/23 17:21 ΑJ EET MID 1

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch

Job ID: 880-25944-2

Project/Site: El Paso FED #3

SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-22-25	06-30-23	
The following analytes	are included in this report but	it the laboratory is not certifi	ied by the governing authority. This list ma	av include analytes for	
0 ,		it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for	
The following analytes the agency does not o		it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for	
0 ,		t the laboratory is not certifi Matrix	ied by the governing authority. This list ma Analyte	ay include analytes for	

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25944-2

SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
5035	Closed System Purge and Trap	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25944-2

SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25944-1	S10	Solid	03/13/23 11:10	03/14/23 16:40	0-6"

: eurofins

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Address
City, State ZIP

Grant Huckabay
Fasken Oil and Ranch
6101 Holiday Hill Road
Midland TX 79707

City State ZIP

Reporting Level II 🗌 Level III 🗎 PST/UST 🗎 TRRP 📗

Level IV

State of Project

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www xenco com

Page

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Project Manager
Company Name

Bill to (if different)

Company Name

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

	1296
Work Order No. ACCC	-3334
	300

Phone	432-288-5529	Email granth@forl co	Email granth@forl com, Addisong@forl com	Deliverables EDD ☐ ADaPT ☐ Other
Project Name {	EL PASO FED #3	Turn Around	ANALYSIS	REQUEST Preservative Codes
Project Number		Routine X Rush		None
Project Location	Eddy Co. NM	Due Date 24 %		
	¹ Addison Guelker	he day r		HCI HC HNO HN
PO#:		the lab if received by 4 30pm	S	
SAMPLE RECEIPT	Temp Blank Yes No.	Wet Ice (val	eter	NACOTI NA
		P	mė	H ₃ PO ₄ HP
Samples Received Intact	act. Yes No Thermometer ID	ter ID YAR	ıraı	NaHSO, NABIS
Cooler Custody Seals	Yes No WAY	Factor 100	Pa	Na.s.O. Naso
Sample Custody Seals	Yes No Nia	To Bonding		Na2V2V3 NaSV3
Total Contains		reliperative readily		Zn Acetate+NaOH Zn
lotal Containers	Corrected	Corrected Temperature 3 · 1	0211	NaOH+Ascorbic Acid SAPC
Sample Identification	ification Matrix Sampled	Time Depth Grab/	Ont 90 TPH 80° BTEX 86 CHLORI	Sample Comments
510	S 3/23/23	1110 0-6"	×	
				402
				880-25944 Chain of Custody
Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe	Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn
Circle Method(s) and	Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 8RC	TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn N	Hg 1631/2451/7470/747
Notice Signature of this do of service. Eurofins Xenco of Eurofins Xenco. A minin	ocument and relinquishment of samples co will be liable only for the cost of samples num charge of \$85.00 will be applied to ea	nstitutes a valid purchase order from and shall not assume any responsibility project and a charge of \$5 for each	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed These terms will be enforced unless previously negotiated.	tors. It assigns standard terms and conditions are due to circumstances beyond the control terms will be enforced unless previously negotiated.
Relinquished by (Signature)	(Signature) Receiv	Received by (Signature)	Date/Time Relinquished by: (Sigi	gnature) Received by: (Signature) Date/Time
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Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25944-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25944 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Page 16 of 16 3/19/2023

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/17/2023 10:26:10 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25944-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/17/2023 10:26:10 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440 6:10 AM

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory

Laboratory Job ID: 880-25944-1 SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-1
SDG: Eddy Co. NM

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Qualifiers

GC Semi VOA

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

HPLC/IC

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 U
 Indicates the analyte was analyzed for but not detected.

S

Glossary

DL

Abbreviation

These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

Report Recovery

CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid
DER Duplicate Error Ratio (normalized absolute difference)

12

Dil Fac Dilution Factor

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction,
DLC Decision Level Concentration (Radiochemistry)

Detection Limit (DoD/DOE)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)
MDL Method Detection Limit
ML Minimum Level (Dioxin)
MDN Met Probable Number

ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25944-1
SDG: Eddy Co. NM

Job ID: 880-25944-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25944-1

Receipt

The sample was received on 3/14/2023 4:40 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: S10 (880-25944-1).

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: S10 (880-25944-1), (880-25935-A-1-A), (880-25935-A-1-B MS) and (880-25935-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Matrix: Solid

Lab Sample ID: 880-25944-1

Analyzed

03/17/23 03:07

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-1
SDG: Eddy Co. NM

Client Sample ID: S10

Date Collected: 03/13/23 11:10 Date Received: 03/14/23 16:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

6.23

Sample Depth: 0-6"

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/16/23 14:26	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 03:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 03:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 03:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/15/23 11:41	03/16/23 03:36	1
o-Terphenyl	113		70 - 130				03/15/23 11:41	03/16/23 03:36	1

RL

5.01

MDL Unit

mg/Kg

D

Prepared

Eurofins Midland

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Dil Fac

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25944-1
SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25944-1	S10	97	113	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Eurofins Midland

Released to Imaging: 9/11/2023 2:07:07 PM Page 7 of 17 3/

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Job ID: 880-25944-1

SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A

Matrix: Solid

Analysis Batch: 48633

Client: Fasken Oil and Ranch

Project/Site: El Paso FED #3

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48660

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				03/15/23 11:41	03/15/23 19:59	1
o-Terphenyl	190	S1+	70 - 130				03/15/23 11:41	03/15/23 19:59	1

Spike Added

1000

1000

70 - 130

LCS LCS

864.0

936.4

Result Qualifier

Unit

mg/Kg

mg/Kg

D

%Rec

86

94

Lab Sample ID: LCS 880-48660/2-A

Matrix: Solid

Gasoline Range Organics

Diesel Range Organics (Over

Analyte

(GRO)-C6-C10

Analysis Batch: 48633

Client Sample ID: Lab Control Sample

70 - 130

Prep Type: Total/NA Prep Batch: 48660

Limits 70 - 130

C10-C28) LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 104 70 - 130

Lab Sample ID: LCSD 880-48660/3-A

Matrix: Solid

o-Terphenyl

Analysis Batch: 48633

p

Prep Type: Total/NA

Prep Batch: 48660

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	939.1		mg/Kg		94	70 - 130	8	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	905.2		mg/Kg		91	70 - 130	3	20
C10-C28)									

LCSD LCSD

128

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	104	70 - 130
o-Terphenyl	127	70 - 130

Lab Sample ID: 880-25961-A-21-C MS

Matrix: Solid

Analysis Batch: 48633

Client Sam	ple ID:	Matrix	Spike
onone oun	P.O		Op

Prep Type: Total/NA

Prep Batch: 48660

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	998	1145		mg/Kg		110	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U F1	998	1327		mg/Kg		130	70 - 130	
C10-C28)										

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25944-1 SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25961-A-21-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA	
Prep Batch: 48660	

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 122 70 - 130 o-Terphenyl 136 S1+ 70 - 130

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA	
Prep Batch: 48660	

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit <49.9 U 999 1219 117 70 - 1306 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 <49.9 U F1 1487 F1 mg/Kg 146 70 - 13020 11 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 138 S1+ 70 - 130 1-Chlorooctane 151 S1+ 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/17/23 01:50	1

Lab Sample ID: LCS 880-48645/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 48689

	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	 250	272.8	-	ma/Ka		109	90 - 110	 -	

Lab Sample ID: LCSD 880-48645/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 48689

	Sį	oike	LCSD	LCSD				%Rec		RPD
Analyte	Ad	ded	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	273.5		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-25935-A-1-B MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48689

Analysis Batch. 40000										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	12.7	F1	252	325.2	F1	mg/Kg		124	90 - 110	

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Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-25935-A-1-C MSD

Matrix: Solid

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analysis Batch: 48689

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	12.7	F1	252	327.1	F1	mg/Kg		125	90 - 110	1	20

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QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-1
SDG: Eddy Co. NM

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Total/NA	Solid	8015B NM	48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Total/NA	Solid	8015NM Prep	
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 48645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Soluble	Solid	DI Leach	_ <u> </u>
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25944-1	S10	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25935-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	48645
880-25935-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	48645

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Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-1
SDG: Eddy Co. NM

Client Sample ID: S10 Lab Sample ID: 880-25944-1

Date Collected: 03/13/23 11:10

Date Received: 03/14/23 16:40

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48778	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 03:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 03:07	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25944-1
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority		ogram	Identification Number	Expiration Date	
Texas	NE	ELAP	T104704400-22-25	06-30-23	
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				av include englytee for i	
0 ,		it the laboratory is not certif	fied by the governing authority. This list ma	ay include analytes for	
the agency does not of		it the laboratory is not certif	fied by the governing authority. This list ma	ay include analytes for	
,		it the laboratory is not certif Matrix	fied by the governing authority. This list ma Analyte	ay include analytes for t	

Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25944-1

SDG: Eddy Co. NM

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25944-1 SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25944-1	S10	Solid	03/13/23 11:10	03/14/23 16:40	0-6"

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City, State ZIP

Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

City State ZIP

Reporting Level II 🗌 Level III 🗎 PST/UST 📗 TRRP 📗

Level IV

State of Project

Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www xenco com

Page

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Project Manager Company Name Address

Bill to (if different)

Company Name

XPN 3 t nyllo iment Test ng

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199

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Phone 432-288-5529	Email granth@forl cor	Email granth@forl com, Addisong@forl com	Deliverables EDD
Project Name EL PASO FED #3	Turn Around	ANALYSIS REQUEST	EQUEST Preservative Codes
Project Number	☐ Routine 🔀 Rush	Pres Code	None NO
Project Location Eddy (c. NM	Due Date 24 1/2		
Sampler's Name Addison Guelker	he day i		HO HO WISOLI ME
PO#	the lab if received by 4 30pm		,
SAMPLE RECEIPT Temp Blank Yes No	Wet Ice (Yes No	eter	12004 12 NGOT NG
Therm	N D	ram	13TQ4 TT
Yes No WA	actor	Pai	Z AGO A NABO
s Yes No MA	a Beading		Na ₂ S ₂ O ₃ NaSO ₃
	2 readily		Zn Acetate+NaOH Zn
Total Containers Corrected Temperature	emperature 5.	I021E	NaOH+Ascorbic Acid SAPC
Sample Identification Matrix Date Sampled	Time Depth Grab/	C # of TPH 80 BTEX 8 CHLOF	Sample Comments
510 s 3/2/13	1110 0-6 6	χ	
			402
			880-25944 Chain of Custody
			880-25944 Chain of Custody
	8RCRA 13PPM Texas 11	Sb As Ba Be B Cd Ca Cr Co Cu Fe	Pb Mg Mn Mo Ni K Se Ag SiO $_2$ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 8RCRA	RA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	o Ni Se Ag Ti U Hg 1631/2451/7470/7471
Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	stitutes a valid purchase order from one shall not assume any responsibility project and a charge of \$5 for each	lient company to Eurofins Xenco, its affiliates and subcontracto r for any losses or expenses incurred by the client if such losses sample submitted to Eurofins Xenco, but not analyzed These te	ors. It assigns standard terms and conditions as are due to circumstances beyond the control erms will be enforced unless previously negotiated.
Relinquished by (Signature) Receive	Received by (Signature)	Date/Time Relinquished by: (Signature)	nature) Received by: (Signature) Date/Time
THE DW	7	2 12 12 P	
		1 640	
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		,	Revised Date 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25944-1

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25944 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/20/2023 11:39:49 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25945-2

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/20/2023 11:39:49 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440 10

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Client: Fasken Oil and Ranch Laboratory Job ID: 880-25945-2 Project/Site: El Paso FED #3

SDG: Eddy Co. NM

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Chain of Custody	16
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Eurofins Midland

3/20/2023

Definitions/Glossary

Client: Fasken Oil and Ranch Job ID: 880-25945-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Qualifiers

GC VOA	
Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

MPN

MQL NC

ND NEG

POS

PQL

QC RER

RL

RPD

TEF

TEQ

TNTC

PRES

Most Probable Number Method Quantitation Limit

Not Detected at the reporting limit (or MDL or EDL if shown)

Not Calculated

Negative / Absent

Positive / Present

Presumptive **Quality Control**

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25945-2
SDG: Eddy Co. NM

Job ID: 880-25945-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25945-2

Receipt

The samples were received on 3/14/2023 4:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: North (880-25945-1), East (880-25945-2), South (880-25945-3) and West (880-25945-4).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-48790 and analytical batch 880-48915 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Matrix: Solid

Lab Sample ID: 880-25945-1

Client Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25945-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: North

Date Collected: 03/13/23 09:00 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Method: SW846 8021B - Volatil	e Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 16:15	03/20/23 08:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 16:15	03/20/23 08:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 16:15	03/20/23 08:15	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		03/16/23 16:15	03/20/23 08:15	1
o-Xylene	0.00267	*+ *1	0.00200		mg/Kg		03/16/23 16:15	03/20/23 08:15	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		03/16/23 16:15	03/20/23 08:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				03/16/23 16:15	03/20/23 08:15	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/16/23 16:15	03/20/23 08:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total BTEX	<0.00399	U	0.00399		mg/Kg			03/20/23 12:25	1

Client Sample ID: East Lab Sample ID: 880-25945-2 **Matrix: Solid**

Date Collected: 03/13/23 09:10 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/16/23 16:15	03/20/23 08:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/16/23 16:15	03/20/23 08:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/16/23 16:15	03/20/23 08:35	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		03/16/23 16:15	03/20/23 08:35	1
o-Xylene	<0.00199	U *+ *1	0.00199		mg/Kg		03/16/23 16:15	03/20/23 08:35	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		03/16/23 16:15	03/20/23 08:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130				03/16/23 16:15	03/20/23 08:35	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/16/23 16:15	03/20/23 08:35	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	11	0.00398		mg/Kg			03/20/23 12:25	

Client Sample ID: South	Lab Sample ID: 880-25945-3
-------------------------	----------------------------

Date Collected: 03/13/23 09:20 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/16/23 16:15	03/20/23 08:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/16/23 16:15	03/20/23 08:56	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/16/23 16:15	03/20/23 08:56	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		03/16/23 16:15	03/20/23 08:56	1
o-Xylene	<0.00201	U *+ *1	0.00201		mg/Kg		03/16/23 16:15	03/20/23 08:56	1
Xylenes, Total	< 0.00402	U *+	0.00402		mg/Kg		03/16/23 16:15	03/20/23 08:56	1

Eurofins Midland

Matrix: Solid

Client Sample Results

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25945-2 SDG: Eddy Co. NM

Client Sample ID: South

Lab Sample ID: 880-25945-3

Matrix: Solid

Date Collected: 03/13/23 09:20 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	03/16/23 16:15	03/20/23 08:56	1
1,4-Difluorobenzene (Surr)	89		70 - 130	03/16/23 16:15	03/20/23 08:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac <0.00402 U Total BTEX 0.00402 mg/Kg 03/20/23 12:25

Client Sample ID: West Lab Sample ID: 880-25945-4 Date Collected: 03/13/23 09:30 **Matrix: Solid**

Date Received: 03/14/23 16:40

Released to Imaging: 9/11/2023 2:07:07 PM

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/16/23 16:15	03/20/23 09:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/16/23 16:15	03/20/23 09:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/16/23 16:15	03/20/23 09:16	1
m-Xylene & p-Xylene	<0.00403	U *+	0.00403		mg/Kg		03/16/23 16:15	03/20/23 09:16	1
o-Xylene	<0.00202	U *+ *1	0.00202		mg/Kg		03/16/23 16:15	03/20/23 09:16	1
Xylenes, Total	<0.00403	U *+	0.00403		mg/Kg		03/16/23 16:15	03/20/23 09:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				03/16/23 16:15	03/20/23 09:16	1
1,4-Difluorobenzene (Surr)	74		70 - 130				03/16/23 16:15	03/20/23 09:16	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	П	0.00403		mg/Kg			03/20/23 12:25	1

Surrogate Summary

Client: Fasken Oil and Ranch Job ID: 880-25945-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25945-1	North	83	93	
380-25945-2	East	81	92	
380-25945-3	South	89	89	
380-25945-4	West	89	74	
390-4267-A-61-E MS	Matrix Spike	115	85	
390-4267-A-61-F MSD	Matrix Spike Duplicate	129	102	
CS 880-48790/1-A	Lab Control Sample	89	106	
CSD 880-48790/2-A	Lab Control Sample Dup	127	76	
MB 880-48751/5-A	Method Blank	72	86	
MB 880-48790/5-A	Method Blank	74	71	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

QC Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25945-2 SDG: Eddy Co. NM Project/Site: El Paso FED #3

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-48751/5-A

Matrix: Solid Analysis Batch: 48915 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48751

1

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:03	03/19/23 14:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:03	03/19/23 14:51	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:03	03/19/23 14:51	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/23 13:03	03/19/23 14:51	
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/23 13:03	03/19/23 14:51	
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/23 13:03	03/19/23 14:51	•

MB MB

Surrogate	%Recovery C	Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72	70 - 130	03/16/23 13:03	03/19/23 14:51	1
1,4-Difluorobenzene (Surr)	86	70 - 130	03/16/23 13:03	03/19/23 14:51	1

Lab Sample ID: MB 880-48790/5-A

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48790

Analysis Batch: 48915

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/16/23 16:15	03/20/23 01:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/16/23 16:15	03/20/23 01:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/16/23 16:15	03/20/23 01:24	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/16/23 16:15	03/20/23 01:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/16/23 16:15	03/20/23 01:24	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/16/23 16:15	03/20/23 01:24	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	03/16/23 16:15	03/20/23 01:24	1
1,4-Difluorobenzene (Surr)	71		70 - 130	03/16/23 16:15	03/20/23 01:24	1

Lab Sample ID: LCS 880-48790/1-A

Matrix: Solid

Analysis Batch: 48915

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 48790

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1206		mg/Kg		121	70 - 130	
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	
Ethylbenzene	0.100	0.09644		mg/Kg		96	70 - 130	
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	89	70 - 130
1.4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-48790/2-A

Matrix: Solid

Analysis Batch: 48915

Client Sample ID: Lab	Control Sample Dup
	Dren Times Tetal/NIA

Prep Type: Total/NA

Prep Batch: 48790

	эріке	LCSD LCSD				%Rec		KPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1068	mg/Kg		107	70 - 130	12	35	

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25945-2
SDG: Eddy Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-48790/2-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid** Prep Type: Total/NA Analysis Batch: 48915 Prep Batch: 48790 Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Toluene 0.100 0.1173 117 70 - 130 35 mg/Kg 11 Ethylbenzene 0.100 0.1273 mg/Kg 127 70 - 130 28 35 0.200 0.2913 *+ 70 - 130 m-Xylene & p-Xylene mg/Kg 35 35 146 0.100 o-Xylene 0.1457 *+ *1 mg/Kg 146 70 - 130 36

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	76		70 - 130

Lab Sample ID: 890-4267-A-61-E MS

Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 48915 Prep Batch: 48790

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.1090		mg/Kg		109	70 - 130	
Toluene	<0.00200	U	0.0998	0.1062		mg/Kg		106	70 - 130	
Ethylbenzene	<0.00200	U	0.0998	0.1101		mg/Kg		110	70 - 130	
m-Xylene & p-Xylene	<0.00401	U *+	0.200	0.2438		mg/Kg		122	70 - 130	
o-Xylene	<0.00200	U *+ *1	0.0998	0.1199		mg/Kg		120	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

Lab Sample ID: 890-4267-A-61-F MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 48915 Prep Batch: 48790

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.08183		mg/Kg		83	70 - 130	28	35
Toluene	<0.00200	U	0.0990	0.08895		mg/Kg		90	70 - 130	18	35
Ethylbenzene	<0.00200	U	0.0990	0.09940		mg/Kg		100	70 - 130	10	35
m-Xylene & p-Xylene	<0.00401	U *+	0.198	0.2263		mg/Kg		114	70 - 130	7	35
o-Xylene	<0.00200	U *+ *1	0.0990	0.1140		mg/Kg		115	70 - 130	5	35

	MOD	MOD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

MSD MSD

QC Association Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25945-2 SDG: Eddy Co. NM

GC VOA

Prep Batch: 48751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-48751/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 48790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25945-1	North	Total/NA	Solid	5035	
880-25945-2	East	Total/NA	Solid	5035	
880-25945-3	South	Total/NA	Solid	5035	
880-25945-4	West	Total/NA	Solid	5035	
MB 880-48790/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-48790/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-48790/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4267-A-61-E MS	Matrix Spike	Total/NA	Solid	5035	
890-4267-A-61-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 48915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25945-1	North	Total/NA	Solid	8021B	48790
880-25945-2	East	Total/NA	Solid	8021B	48790
880-25945-3	South	Total/NA	Solid	8021B	48790
880-25945-4	West	Total/NA	Solid	8021B	48790
MB 880-48751/5-A	Method Blank	Total/NA	Solid	8021B	48751
MB 880-48790/5-A	Method Blank	Total/NA	Solid	8021B	48790
LCS 880-48790/1-A	Lab Control Sample	Total/NA	Solid	8021B	48790
LCSD 880-48790/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	48790
890-4267-A-61-E MS	Matrix Spike	Total/NA	Solid	8021B	48790
890-4267-A-61-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	48790

Analysis Batch: 49004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
880-25945-1	North	Total/NA	Solid	Total BTEX
880-25945-2	East	Total/NA	Solid	Total BTEX
880-25945-3	South	Total/NA	Solid	Total BTEX
880-25945-4	West	Total/NA	Solid	Total BTEX

Eurofins Midland

2

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Job ID: 880-25945-2 SDG: Eddy Co. NM

Client Sample ID: North

Date Received: 03/14/23 16:40

Lab Sample ID: 880-25945-1 Date Collected: 03/13/23 09:00

Dil

1

1

Factor

Run

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	48790	03/16/23 16:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48915	03/20/23 08:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49004	03/20/23 12:25	AJ	EET MID

Client Sample ID: East

Prep Type

Total/NA

Total/NA

Total/NA

Lab Sample ID: 880-25945-2

Initial

Amount

5.02 g

5 mL

Matrix: Solid

Date Collected: 03/13/23 09:10 Date Received: 03/14/23 16:40

Batch

Туре

Prep

Analysis

Analysis

Batch

Method

5035

8021B

Total BTEX

		-
Analyst	Lab	
MNR	EET MID	
MNR	EET MID	

EET MID

Client Sample ID: South

Lab Sample ID: 880-25945-3

Final

Amount

5 mL

5 mL

Batch

48790

48915

49004

Number

Prepared

or Analyzed

03/16/23 16:15

03/20/23 08:35

03/20/23 12:25

AJ

Matrix: Solid

Date Collected: 03/13/23 09:20 Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	48790	03/16/23 16:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48915	03/20/23 08:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49004	03/20/23 12:25	AJ	EET MID

Client Sample ID: West

Lab Sample ID: 880-25945-4

Matrix: Solid

Date Collected: 03/13/23 09:30 Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	48790	03/16/23 16:15	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	48915	03/20/23 09:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			49004	03/20/23 12:25	AJ	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Fasken Oil and Ranch Job ID: 880-25945-2 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-22-25	06-30-23
i ne following analytes	are included in this report. b	ut the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for w
the agency does not of	•	ut the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for w
• .	•	ut the laboratory is not certifi Matrix	ed by the governing authority. This list ma Analyte	ay include analytes for w

Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25945-2

SDG: Eddy Co. NM

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aboratory	

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
5035	Closed System Purge and Trap	SW846	EET MID

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates. TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Job ID: 880-25945-2

SDG: Eddy Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25945-1	North	Solid	03/13/23 09:00	03/14/23 16:40	0-6"
880-25945-2	East	Solid	03/13/23 09:10	03/14/23 16:40	0-6"
880-25945-3	South	Solid	03/13/23 09:20	03/14/23 16:40	0-6"
880-25945-4	West	Solid	03/13/23 09:30	03/14/23 16:40	0-6"

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Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (21 EL Paso TX (915) 585-3443 Lubbock TX (806 Hobbs NM (575) 392-7550 Carlsbad NM (575 Houston TX (281) 240-4200 Dallas TX (214)

Project Manager

Company Name

City, State ZIP

Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

Address

State of Project

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

Reporting Level II Level III PST/UST TRRP

Level IV

City State ZIP

Bill to (if different) Company Name

	100 00 mm	
Page	www xenco com	
		5) 988-3199
		5) 794-1296
3 0 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0	Work Order No:	10) 509-3334
くてらず) 902-0300

INUMBER INU	Phone Project Name	F) VASS		#	Email gr	Email granth@forl.com, Addisong@forl.com	Com, Ac	ddisono	@forl	com		:		. 11	Del	Deliverables EDD)les [DD [DaP:	ADaPT []	11	11	11	1 1	1 1
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8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn N											_	-	-	-	-	\vdash												
	Total 200.7 / 60 Circle Method(s) ar	010 200 8 / 6 nd Metal(s) to b	020: e analyzed	8RCF	A 13PPM CLP / SPLF	1 Texas 11		b As Sb As	Ba Be Ba B	B Cd	Cr C	, Cr Cr C	Pb M	⇒ " l	N S	ŏ z	≽ੂ∥	In Mo	In Mo Ni K Ag Ti U	⊼ Se	⊼ Se	⊼ Se	⊼ Se	⊼ Se	⊼ Se	K Se Ag SiO ₂ Na Sr Ti Sn U Hg 1631/2451/7470/	K Se Ag SiO ₂ Na Sr Ti Sn U Hg 1631/2451/7470/	⊼ Se
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Login Sample Receipt Checklist

Client: Fasken Oil and Ranch

Job Number: 880-25945-2

SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25945 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Grant Huckabay Fasken Oil and Ranch 6101 Holiday HIII Road Midland, Texas 79707

Generated 3/17/2023 10:26:44 AM

JOB DESCRIPTION

El Paso FED #3 SDG NUMBER Eddy Co. NM

JOB NUMBER

880-25945-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization

Generated 3/17/2023 10:26:44 AM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 10

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Laboratory Job ID: 880-25945-1 SDG: Eddy Co. NM

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Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25945-1
SDG: Eddy Co. NM

2

Qualifiers

GC Semi VOA

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

HPLC/IC

 Qualifier
 Qualifier Description

 F1
 MS and/or MSD recovery exceeds control limits.

 U
 Indicates the analyte was analyzed for but not detected.

6

Glossary

 Abbreviation
 These commonly used abbreviations may or may not be present in this report.

 ¤
 Listed under the "D" column to designate that the result is reported on a dry weight basis

 %R
 Percent Recovery

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CFL Contains Free Liquid

CFU Colony Forming Unit

CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Dil ac Dilution i a

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Padia shamistar)

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)
MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Midland

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25945-1
SDG: Eddy Co. NM

Job ID: 880-25945-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25945-1

Receipt

The samples were received on 3/14/2023 4:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.1°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: North (880-25945-1), East (880-25945-2), South (880-25945-3) and West (880-25945-4).

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-48660 and analytical batch 880-48633 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-25961-A-21-C MS) and (880-25961-A-21-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: West (880-25945-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-48660 and analytical batch 880-48633 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-48645 and analytical batch 880-48689 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are: North (880-25945-1), East (880-25945-2), South (880-25945-3), West (880-25945-4), (880-25945-A-1-B MS) and (880-25945-A-1-C MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Job ID: 880-25945-1

SDG: Eddy Co. NM

Project/Site: El Paso FED #3 **Client Sample ID: North**

Client: Fasken Oil and Ranch

Date Collected: 03/13/23 09:00 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Lab Sample ID: 880-25945-1

Matrix: Solid

Method: SW846 8015 NM - Diesel R	Range Organics (DRO) (GC)					
Analyte	Result Qua	lifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			03/16/23 14:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit Dil Fac RL Prepared Analyzed <50.0 U 50.0 03/15/23 11:41 03/16/23 03:58 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 03/15/23 11:41 03/16/23 03:58 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 03/15/23 11:41 03/16/23 03:58 %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 100 70 - 130 03/15/23 11:41 03/16/23 03:58 o-Terphenyl 120 70 - 130 03/15/23 11:41 03/16/23 03:58

Method: EPA 300.0 - Anions, Ion	Chromatograpl	hy - Soluble						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U F1	4.99	mg/Kg			03/17/23 03:12	1

Client Sample ID: East Lab Sample ID: 880-25945-2 **Matrix: Solid**

Date Collected: 03/13/23 09:10 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	87.1		49.9		mg/Kg			03/16/23 14:26	1
Method: SW846 8015B NM - Diese	I Range Orga	nics (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result <49.9		RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared 03/15/23 11:41	Analyzed 03/16/23 04:19	Dil Fac
Gasoline Range Organics				MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over				MDL		<u>D</u>			Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9		49.9	MDL	mg/Kg	<u>D</u>	03/15/23 11:41	03/16/23 04:19	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104	70 - 130	03/15/23 11:41	03/16/23 04:19	1
o-Terphenyl	127	70 - 130	03/15/23 11:41	03/16/23 04:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit RL D Prepared Analyzed Dil Fac Chloride <4.96 U 4.96 03/17/23 03:27 mg/Kg

Client Sample ID: South Lab Sample ID: 880-25945-3

Date Collected: 03/13/23 09:20 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Method: SW846 8015 NM - Diesel Ra	nge Organi	cs (DRO) (G	iC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.4		49.9		mg/Kg			03/16/23 14:26	1

Eurofins Midland

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-25945-3

Client Sample Results

Client: Fasken Oil and Ranch Job ID: 880-25945-1 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

Client Sample ID: South

Date Collected: 03/13/23 09:20 Date Received: 03/14/23 16:40

Sample Depth: 0-6"

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 04:41	1
Diesel Range Organics (Over C10-C28)	56.4		49.9		mg/Kg		03/15/23 11:41	03/16/23 04:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				03/15/23 11:41	03/16/23 04:41	1
o-Terphenyl	130		70 - 130				03/15/23 11:41	03/16/23 04:41	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6		5.03		mg/Kg			03/17/23 03:31	1

Client Sample ID: West Lab Sample ID: 880-25945-4 Date Collected: 03/13/23 09:30 Matrix: Solid

135 S1+

Date Received: 03/14/23 16:40

Sample Depth: 0-6"

o-Terphenyl

Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) ((GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/16/23 14:26	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 05:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 05:03	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/15/23 11:41	03/16/23 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/15/23 11:41	03/16/23 05:03	1

Method: EPA 300.0 - Anions, Ion C	hromatography	- Soluble						
Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.20	5.05		mg/Kg			03/17/23 03:46	1

70 - 130

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03/16/23 05:03

03/15/23 11:41

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25945-1
SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		1CO1	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25945-1	North	100	120	
880-25945-2	East	104	127	
880-25945-3	South	115	130	
880-25945-4	West	113	135 S1+	
880-25961-A-21-C MS	Matrix Spike	122	136 S1+	
880-25961-A-21-D MSD	Matrix Spike Duplicate	138 S1+	151 S1+	
LCS 880-48660/2-A	Lab Control Sample	104	128	
LCSD 880-48660/3-A	Lab Control Sample Dup	104	127	
MB 880-48660/1-A	Method Blank	157 S1+	190 S1+	
Surrogate Legend				

OTPH = o-Terphenyl

Released to Imaging: 9/11/2023 2:07:07 PM

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Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25945-1
SDG: Eddy Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-48660/1-A

Matrix: Solid Analysis Batch: 48633 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 48660

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/23 11:41	03/15/23 19:59	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	157	S1+	70 - 130				03/15/23 11:41	03/15/23 19:59	1
o-Terphenyl	190	S1+	70 - 130				03/15/23 11:41	03/15/23 19:59	1

Lab Sample ID: LCS 880-48660/2-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample

Prop Patch: 48660

Prep Batch: 48660

	Spike	LUS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	864.0		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	936.4		mg/Kg		94	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: LCSD 880-48660/3-A

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 48660

Spike LCSD LCSD RPD %Rec Added Limit Analyte Result Qualifier Unit %Rec Limits **RPD** Gasoline Range Organics 1000 939.1 mg/Kg 94 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 905.2 mg/Kg 91 70 - 130 3 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Q	ualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	127		70 - 130

Lab Sample ID: 880-25961-A-21-C MS

Matrix: Solid

Analysis Batch: 48633

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 48660

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	998	1145		mg/Kg		110	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U F1	998	1327		mg/Kg		130	70 - 130	
C10-C28)										

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Job ID: 880-25945-1 SDG: Eddy Co. NM

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-25961-A-21-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 48633

Prep Type: Total/NA
Prep Batch: 48660

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 122 70 - 130 o-Terphenyl 136 S1+ 70 - 130

Lab Sample ID: 880-25961-A-21-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 48633

Chemical Campio 121 matrix opino 2 apricate	
Prep Type: Total/NA	
Prep Batch: 48660	

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit <49.9 U 999 1219 117 70 - 1306 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 999 <49.9 U F1 1487 F1 mg/Kg 146 70 - 13020 11 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 138 S1+ 70 - 130 1-Chlorooctane 151 S1+ 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-48645/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/17/23 01:50	1

Lab Sample ID: LCS 880-48645/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 272.8 mg/Kg 109 90 - 110

Lab Sample ID: LCSD 880-48645/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid**

Analysis Batch: 48689

	Spik	e LCSD	LCSD				%Rec		RPD
Analyte	Adde	d Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	25	273.5		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-25945-1 MS **Client Sample ID: North Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48689

Analysis Daten. 40005										
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	<4.99	U F1	250	303.1	F1	mg/Kg		119	90 - 110	

Eurofins Midland

Prep Type: Soluble

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3

Job ID: 880-25945-1
SDG: Eddy Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-25945-1 MSD	Client Sample ID: North
Matrix: Solid	Prep Type: Soluble

Analysis Batch: 48689											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	<4.99	U F1	250	303.6	F1	mg/Kg		120	90 - 110	0	20

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QC Association Summary

Client: Fasken Oil and Ranch Job ID: 880-25945-1 Project/Site: El Paso FED #3 SDG: Eddy Co. NM

GC Semi VOA

Analysis Batch: 48633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25945-1	North	Total/NA	Solid	8015B NM	48660
880-25945-2	East	Total/NA	Solid	8015B NM	48660
880-25945-3	South	Total/NA	Solid	8015B NM	48660
880-25945-4	West	Total/NA	Solid	8015B NM	48660
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015B NM	48660
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	48660
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	48660
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015B NM	48660
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	48660

Prep Batch: 48660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25945-1	North	Total/NA	Solid	8015NM Prep	
880-25945-2	East	Total/NA	Solid	8015NM Prep	
880-25945-3	South	Total/NA	Solid	8015NM Prep	
880-25945-4	West	Total/NA	Solid	8015NM Prep	
MB 880-48660/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-48660/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-48660/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25961-A-21-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-25961-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 48779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
880-25945-1	North	Total/NA	Solid	8015 NM
880-25945-2	East	Total/NA	Solid	8015 NM
880-25945-3	South	Total/NA	Solid	8015 NM
880-25945-4	West	Total/NA	Solid	8015 NM

HPLC/IC

Leach Batch: 48645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25945-1	North	Soluble	Solid	DI Leach	
880-25945-2	East	Soluble	Solid	DI Leach	
880-25945-3	South	Soluble	Solid	DI Leach	
880-25945-4	West	Soluble	Solid	DI Leach	
MB 880-48645/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25945-1 MS	North	Soluble	Solid	DI Leach	
880-25945-1 MSD	North	Soluble	Solid	DI Leach	

Analysis Batch: 48689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25945-1	North	Soluble	Solid	300.0	48645
880-25945-2	East	Soluble	Solid	300.0	48645
880-25945-3	South	Soluble	Solid	300.0	48645
880-25945-4	West	Soluble	Solid	300.0	48645
MB 880-48645/1-A	Method Blank	Soluble	Solid	300.0	48645
LCS 880-48645/2-A	Lab Control Sample	Soluble	Solid	300.0	48645

Eurofins Midland

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25945-1
SDG: Eddy Co. NM

HPLC/IC (Continued)

Analysis Batch: 48689 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-48645/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	48645
880-25945-1 MS	North	Soluble	Solid	300.0	48645
880-25945-1 MSD	North	Soluble	Solid	300.0	48645

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Client: Fasken Oil and Ranch

Project/Site: El Paso FED #3

Date Received: 03/14/23 16:40

Job ID: 880-25945-1

SDG: Eddy Co. NM

Client Sample ID: North Date Collected: 03/13/23 09:00

Lab Sample ID: 880-25945-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48779	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 03:58	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 03:12	SMC	EET MID

Client Sample ID: East Lab Sample ID: 880-25945-2

Date Collected: 03/13/23 09:10 **Matrix: Solid**

Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1		-	48779	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 04:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 03:27	SMC	EET MID

Client Sample ID: South Lab Sample ID: 880-25945-3

Date Collected: 03/13/23 09:20 **Matrix: Solid** Date Received: 03/14/23 16:40

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48779	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 04:41	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 03:31	SMC	EET MID

Client Sample ID: West Lab Sample ID: 880-25945-4

Date Collected: 03/13/23 09:30 Date Received: 03/14/23 16:40

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			48779	03/16/23 14:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	48660	03/15/23 11:41	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	48633	03/16/23 05:03	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	48645	03/15/23 09:34	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48689	03/17/23 03:46	SMC	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

Matrix: Solid

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: El Paso FED #3
Job ID: 880-25945-1
SDG: Eddy Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report, bu	t the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for
The following analytes the agency does not of		t the laboratory is not certifi	led by the governing authority. This list ma	ay include analytes for
0 ,		t the laboratory is not certifi Matrix	ied by the governing authority. This list ma Analyte	ay include analytes for

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Method Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25945-1 SDG: Eddy Co. NM

Laboratory

Method	Method Description	Protocol	Laboratory
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Midland

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Sample Summary

Client: Fasken Oil and Ranch Project/Site: El Paso FED #3 Job ID: 880-25945-1 SDG: Eddy Co. NM

ddy Co.	NM	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-25945-1	North	Solid	03/13/23 09:00	03/14/23 16:40	0-6"
880-25945-2	East	Solid	03/13/23 09:10	03/14/23 16:40	0-6"
880-25945-3	South	Solid	03/13/23 09:20	03/14/23 16:40	0-6"
880-25945-4	West	Solid	03/13/23 09:30	03/14/23 16:40	0-6"

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Project Manager

Company Name

City, State ZIP

Midland TX 79707 6101 Holiday Hill Road Fasken Oil and Ranch Grant Huckabay

granth@forl.com, Addisong@forl.com

Deliverables EDD [

ADaPT []

Other

Address

City State ZIP

Bill to (if different) Company Name

Chain of Custody

Midland TX (432) 704-5440 San Antonio TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad NM (575) Houston TX (281) 240-4200 Dallas TX (214) 902-0300

Work Order No: 25915

) 988-3199	
	www xenco com Page of
	Work Order Comments
	Program UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	State of Project
	Reporting Level II

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Date/Time	Received by (Signature)	Relinquished by (Signature)	Date/Time		ature)	Received by (Signature)	Rø	(Signature)	Relinquished by (Signature)
	s. it assigns standard terms and conditions are due to circumstances beyond the control ms will be enforced unless previously negotiated.	of service Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85,00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	baily to Eurofins in bailted to Eurofins	ty for any i	ume any responsibilit charge of \$5 for each	ples and shall not ass o each project and a	or the cost of sam	will be liable only fo um charge of \$85.0	service Eurofins Xenco Eurofins Xenco. A minin
470 / 7471	Ag TI U Hg 1631/2451/7470	Notice Signature of this document and relinquishment of samples constitutes a valid numbers order from client processor. See East See Cd. Cr. Co. Cu. Pb. Mn. Mo. Ni. Se. Ag.	As Ba Be C	RA St	ICCP / SPLP 6010 SRCRA	BS Constitutes a valid	shment of sample	cument and relingu	Notice Signature of this document and relinquishment of sar
TI Sn U V Zn	¹o N⊨K Se Ag SiO ₂ Na Sr	-	Sb As Ba Be B		13PPM Texas 11	8RCRA 13F)20:	0 200 8 / 6020	rotal Zoo./ / 6010
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			XXX		0.6, 6	23 9 00	S 3/13		North
Sample Comments	San		BTEX	Cont	Depth Comp	oled Sampled	Matrix Sampled	fication	Sample Identification
NAUNTASCORDIC ACID SAPC	NaCO T+A		802			Time	7		
NOOLI Appariti And Apparit			1B		'n	Corrected Temperature	Correc		Total Containers
e+NaOH Zn	Zn Acetat				N.S.	demperature Reading	M/A Zemp	Yes No	Sample Custody Seals
Naso	Na.S.O. NaSO.			Pa	1.38	Gorrection Factor	(N/A) Correc	Yes No	Cooler Custody Seals
NARIS	NaHSO, NARIS			ran	过名	Thermometer ID	No Them	/(s)	Samples Received Intact
	H, OG, HP			ete	res No	No Wet Ice	lank. Yes	Temp Blank	SAMPLE RECEIPT
•	H ₂ S0 ₄ H ₂			rs	the lab if received by 4 30pm	the lab if re			PO#:
	HCL HC				TAT starts the day received by	TAT starts th	Addison Guelker	Addiso	Sampler's Name
	Cool Cool				24 HR	Due Date	MN * CO	EDDY (e.	Project Location
DI Water: H ₂ O	None NO			Code	Y Rush	Routine			Project Number
Preservative Codes	Pres	ANALYSIS REQUEST		-	Turn Around		FED #5	EL PASC	Project Name
				-	_	_			

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch Job Number: 880-25945-1 SDG Number: Eddy Co. NM

List Source: Eurofins Midland

Login Number: 25945 List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 210245

CONDITIONS

Operator:	OGRID:
FASKEN OIL & RANCH LTD	151416
6101 Holiday Hill Rd	Action Number:
Midland, TX 79707	210245
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Crea	ted By	Condition	Condition Date
rha	mlet	We have received your closure report and final C-141 for Incident #NAPP2225953832 EL PASO FEDERAL #3 BATTERY, thank you. This closure is approved.	9/11/2023