

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	2RP-5447
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Fasken Oil and Ranch, LTD	OGRID: 151416
Contact Name Aaron Pachlhofer	Contact Telephone 432-687-1777
Contact email aaronp@forl.com	Incident # (assigned by OCD) 2RP-5447
Contact mailing address 6101 Holiday Hill Road, Midland, TX, 79707	

Location of Release Source

Latitude 32.558197

Longitude -104.499148
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Gossett "20" No. 3H battery	Site Type Tank Battery
Date Release Discovered 5/20/19	API# 30-015-39349

Unit Letter	Section	Township	Range	County
I	20	20-S	25-E	Eddy

Surface Owner: State Federal Tribal Private (Name: Ronald Houghtailing)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 90 bbls	Volume Recovered (bbls) 75 bbl
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Valve on injection line failed, causing spill

Incident ID	2RP-5447
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> <input type="checkbox"/> <u>NO</u>

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Form C-141

State of New Mexico
Oil Conservation Division

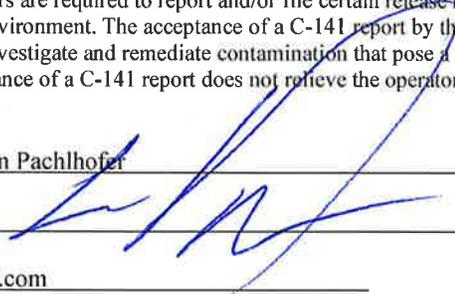
NAB1914840406

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Incident ID	2RP-5447
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Aaron Pachlhofer Title: Environmental Coordinator

Signature:  Date: 10/16/20

email: aaronp@forl.com Telephone: _____

OCD Only

Received by: Cristina Eads Date: 10/19/2020

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NAB1914840406
District RP	
Facility ID	
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Closure

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

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

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

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

Printed Name: Avron P. Khatoff Title: Environmental Coordinator
 Signature: [Signature] Date: 10/16/20
 email: avronp@fari.com Telephone: 432-687-1777

OCD Only

Received by: Cristina Eads Date: 10/16/2020

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

Closure Approved by: D E N I E D Date: 12/15/2020
 Printed Name: Cristina Eads Title: Environmental Specialist



6101 Holiday Hill Road
Midland, TX 79707
(432) 687-1777
(432) 687-1570 (FAX)

October 16, 2020

Robert Hamlet
Environmental Specialist
Oil Conservation Division, District 2
811 South Francis Street
Artesia, New Mexico 88210

Site Closure request: Incident #2RP-5447

Mr. Hamlet,

On May 20, 2019 a spill occurred at the Fasken Oil and Ranch (Fasken) Gossett 20 battery when a valve on a water transfer line failed, spilling water inside the battery firewall and misting water onto the battery's improved caliche pad. The battery is located 32.558197°, -104.499148°. During the spill 90 barrels of produced water was released, and no crude oil was released. No pasture was affected. Please refer to the site plan for the spill area as collected by GPS. Incident number 2RP-5447 was assigned by the OCD.

Potential Receptors

According to the New Mexico State Engineer's Office, there is 1 well within 1/2 mile of the battery with a depth to ground water greater than 200 feet. Other potential receptors: There is no nearby surface water. There are no homes or occupied structures within 1 mile of the release. There are no other potential receptors such as a lakebed, sinkhole within 500 feet, playa lake, continually flowing watercourse, spring, fresh water well, or subsurface mine that have been identified within the distances specified on form C-141. However, this area is identified as 'high karst'. According to OCD staff, high karst requires the most stringent clean-up requirements, such as groundwater less than 50 feet below ground surface.

According to NMAC 19.15.29.12, Table 1, the chloride limit is 600 mg/kg

Sample Collection and Results

Following the initial spill response, a preliminary sample was collected from location S-1 on June 19, 2019 at the surface and 1 foot. The result of these samples showed chlorides over 10,000 mg/kg. On March 11, 2020 samples were collected the spill area at the surface and at 6 to 9 inches below ground surface (the depth attainable with hand auger). The results of the samples showed that many areas were less than 600 mg/kg chloride. BTEX and TPH analysis were requested for two sample locations near the point of release that appeared stained by hydrocarbons. BTEX results were all non-detect, and TPH had very low results at approximately 30 mg/kg. According to the analytical results, chlorides were over the Table 1 limits at S-1, S-9, S-10, S-11, S-12, S-12A, and S-13. Please refer to the analytical summary tables for a summary of all laboratory results and the attached sight plan for sample locations.

Delineation samples were collected on September 10, 2020 with chloride concentrations ranging from 14.7 to 213 mg/kg. BTEX and TPH were not present in any delineation samples.

Excavation of Material and Confirmation Sampling

On August 27, 2020, spill areas with chloride concentrations over 600 mg/kg were excavated to approximately 1.25' below ground surface. Within the firewall, excavation was conducted to maximum practicable extent due to the proximity to tanks in use, buried piping, and other equipment in use that could not be moved. Please refer to the Excavated Areas site plan.

Following excavation, confirmation samples were collected for chlorides, BTEX, and TPH. Laboratory result show that very low concentrations of benzene and toluene were present in some samples. Chlorides were present in all confirmation samples in concentrations ranging from 561 to 230 mg/kg.

All excavated soils have been transported for disposal to Lea Land Inc landfill.

RECCOMENDATION

Fasken recommends closing this release. Affected soils have been removed to below the Table 1 limits for groundwater less than 50 below ground surface. Since equipment in use within the firewall could not be moved for exaction, Fasken requests to defer further work until the facility is decommissioned if the OCD cannot grant closure for this spill.

If there are any questions or comments, please do not hesitate to contact Aaron Pachlhofer at the letterhead address or 432-687-1777 or aaronp@forl.com.

Thank You,

Aaron Pachlhofer, P.G.
Environmental Coordinator

Photos









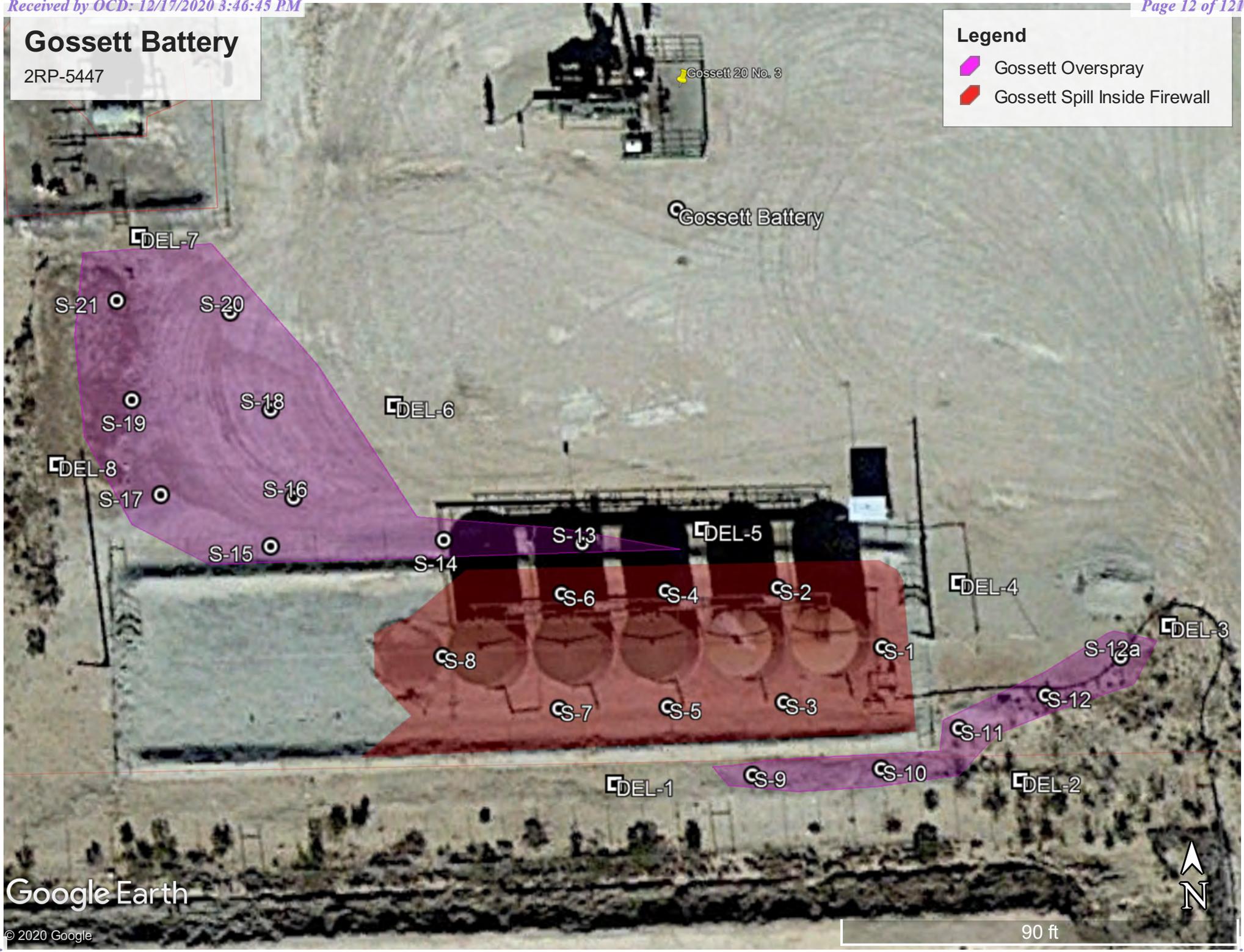


Gossett Battery

2RP-5447

Legend

-  Gossett Overspray
-  Gossett Spill Inside Firewall



Google Earth

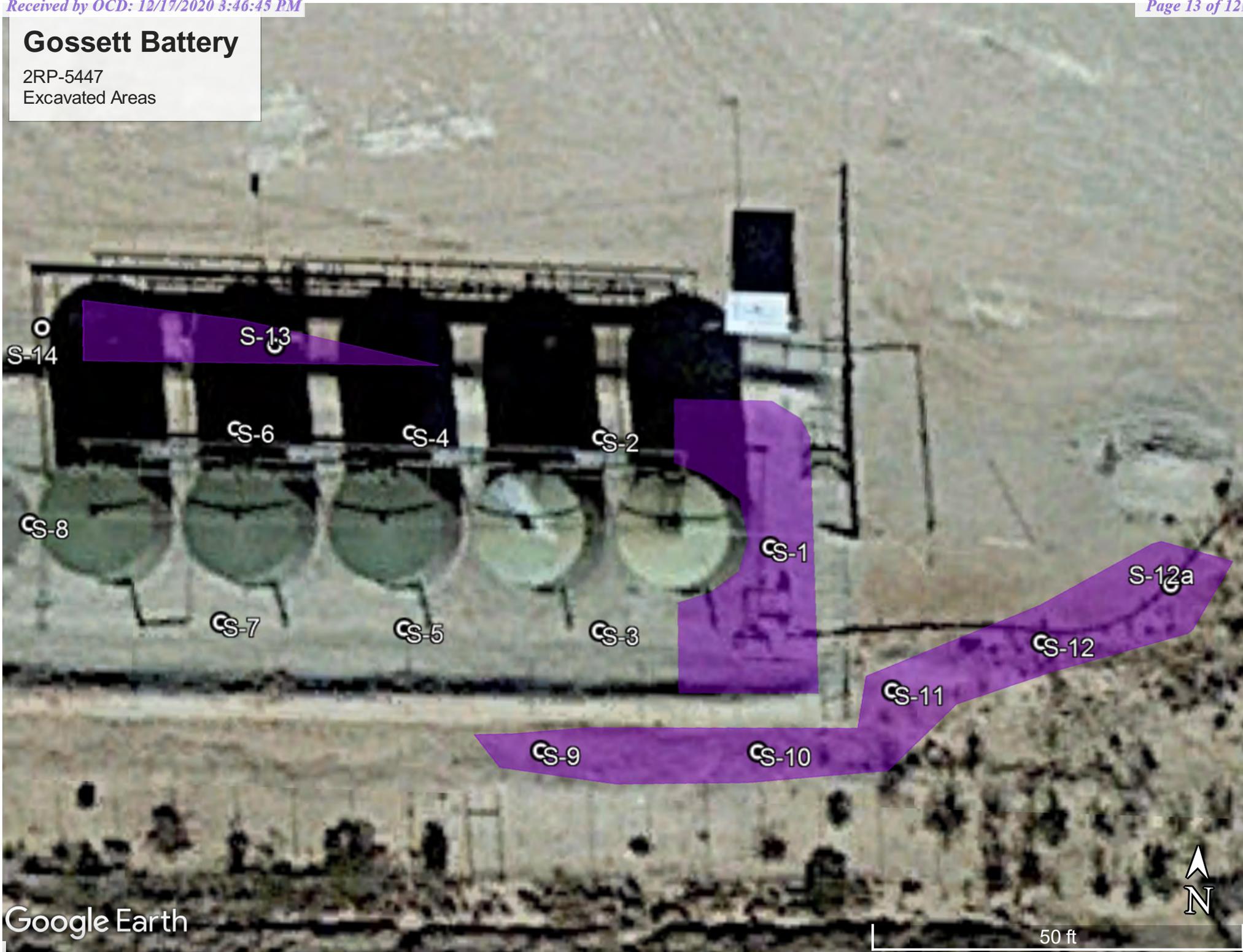
© 2020 Google

90 ft



Gossett Battery

2RP-5447
Excavated Areas



2RP-5447 Gossett Battery Spill Soil Sample Results

Location	Date	Cl-	Benzene	Toluene	Ethyl- Benzene	Xylene	TPH C6- C12	TPH C12- C28	TPH >C28
S-1 Surface	6/19/2019	14100							
S-1 8"	6/19/2019	11300							
S-1 1'	9/10/2020	400	ND	ND	ND	ND	30	ND	ND
S-2 Surface	3/11/2020	99.2	ND	ND	ND	ND	30.3	ND	ND
S-2 6-9	3/11/2020	157							
S-3 Surface	3/11/2020	20	ND	ND	ND	ND	ND	33.1	ND
S-3 6-9	3/11/2020	32.3							
S-4 Surface	3/11/2020	33.9							
S-4 6-9	3/11/2020	48.3							
S-5 Surface	3/11/2020	56							
S-5 6-9	3/11/2020	305							
S-6 Surface	3/11/2020	24.5							
S-6 6-9	3/11/2020	25.1							
S-7 Surface	3/11/2020	62.3							
S-7 6-9	3/11/2020	135							
S-8 Surface	3/11/2020	24.2							
S-8 6-9	3/11/2020	29.4							
S-9 Surface	3/11/2020	4290							
S-9 6-9	3/11/2020	4660							
S-9 1.25'	9/10/2020	510	0.00283	0.00361	ND	ND	ND	ND	ND
S-10 Surface	3/11/2020	950							
S-10 6-9	3/11/2020	8280							
S-10 1.25'	9/10/2020	532	0.00211	0.0028	ND	ND	ND	ND	ND
S-11 Surface	3/11/2020	2680							
S-11 6-9	3/11/2020	2850							
S-11 1.25'	9/10/2020	561	0.00395	0.00713	ND	ND	ND	ND	ND
S-12 Surface	3/11/2020	5780							
S-12 6-9	3/11/2020	323							
S-12 1.25'	9/10/2020	280	ND	0.00235	ND	ND	ND	ND	ND
S-12A Surface	3/11/2020	11000							
S-12A 6-9	3/11/2020	3480							
12A 1.25'	9/10/2020	470	0.00316	0.00738	0.00118	ND	ND	ND	ND
S-13 Surface	3/11/2020	6660							
S-13 6-9	3/11/2020	1240							
S-13 1.25'	9/10/2020	230	ND	0.00105	ND	ND	ND	134	38.9
S-14 Surface	3/11/2020	453							
S-14 6-9	3/11/2020	124							
S-15 Surface	3/11/2020	27.8							
S-15 6-9	3/11/2020	123							
S-16 Surface	3/11/2020	570							
S-16 6-9	3/11/2020	91.4							
S-17 Surface	3/11/2020	55.5							
S-17 6-9	3/11/2020	30.1							

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Aaron Pachlhofer
Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland, TX 79707

Project: Gossett 20 3H Battery

Project Number: [none]

Location: Eddy County, NM

Lab Order Number: 9F11001



NELAP/TCEQ # T104704516-18-9

Report Date: 06/13/19

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett 20 3H Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 @ 0"	9F11001-01	Soil	06/06/19 09:00	06-10-2019 17:00
S-1 @ 8"	9F11001-02	Soil	06/06/19 09:05	06-10-2019 17:00

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett 20 3H Battery
 Project Number: [none]
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-1 @ 0"
9F11001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	14100	55.6	mg/kg dry	50	P9F1102	06/11/19	06/11/19	EPA 300.0	
% Moisture	10.0	0.1	%	1	P9F1204	06/12/19	06/12/19	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett 20 3H Battery
 Project Number: [none]
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-1 @ 8"
9F11001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	11300	56.8	mg/kg dry	50	P9F1102	06/11/19	06/11/19	EPA 300.0	
% Moisture	12.0	0.1	%	1	P9F1204	06/12/19	06/12/19	ASTM D2216	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett 20 3H Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9F1102 - *** DEFAULT PREP ***										
Blank (P9F1102-BLK1) Prepared & Analyzed: 06/11/19										
Chloride	ND	1.00	mg/kg wet							
LCS (P9F1102-BS1) Prepared & Analyzed: 06/11/19										
Chloride	195	1.00	mg/kg wet	200		97.7	80-120			
LCS Dup (P9F1102-BSD1) Prepared & Analyzed: 06/11/19										
Chloride	198	1.00	mg/kg wet	200		98.8	80-120	1.09	20	
Calibration Blank (P9F1102-CCB1) Prepared & Analyzed: 06/11/19										
Chloride	-0.0440		mg/kg wet							
Calibration Blank (P9F1102-CCB2) Prepared & Analyzed: 06/11/19										
Chloride	0.00		mg/kg wet							
Calibration Check (P9F1102-CCV1) Prepared & Analyzed: 06/11/19										
Chloride	9.70		mg/kg	10.0		97.0	0-200			
Calibration Check (P9F1102-CCV2) Prepared & Analyzed: 06/11/19										
Chloride	9.55		mg/kg	10.0		95.5	0-200			
Calibration Check (P9F1102-CCV3) Prepared & Analyzed: 06/11/19										
Chloride	9.95		mg/kg	10.0		99.5	0-200			
Matrix Spike (P9F1102-MS1) Source: 9F04012-15 Prepared & Analyzed: 06/11/19										
Chloride	547	1.16	mg/kg dry	581	2.77	93.7	80-120			
Matrix Spike (P9F1102-MS2) Source: 9F05002-10 Prepared & Analyzed: 06/11/19										
Chloride	605	1.16	mg/kg dry	581	82.5	89.9	80-120			

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett 20 3H Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P9F1102 - *** DEFAULT PREP ***										
Matrix Spike Dup (P9F1102-MSD1)		Source: 9F04012-15			Prepared & Analyzed: 06/11/19					
Chloride	549	1.16	mg/kg dry	581	2.77	93.9	80-120	0.238	20	
Matrix Spike Dup (P9F1102-MSD2)		Source: 9F05002-10			Prepared & Analyzed: 06/11/19					
Chloride	614	1.16	mg/kg dry	581	82.5	91.5	80-120	1.49	20	
Batch P9F1204 - *** DEFAULT PREP ***										
Blank (P9F1204-BLK1)					Prepared & Analyzed: 06/12/19					
% Moisture	ND	0.1	%							
Duplicate (P9F1204-DUP1)		Source: 9F11006-07			Prepared & Analyzed: 06/12/19					
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P9F1204-DUP2)		Source: 9F11006-20			Prepared & Analyzed: 06/12/19					
% Moisture	10.0	0.1	%		10.0			0.00	20	
Duplicate (P9F1204-DUP3)		Source: 9F11023-03			Prepared & Analyzed: 06/12/19					
% Moisture	13.0	0.1	%		14.0			7.41	20	
Duplicate (P9F1204-DUP4)		Source: 9F11028-03			Prepared & Analyzed: 06/12/19					
% Moisture	7.0	0.1	%		7.0			0.00	20	
Duplicate (P9F1204-DUP5)		Source: 9F11030-12			Prepared & Analyzed: 06/12/19					
% Moisture	7.0	0.1	%		7.0			0.00	20	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett 20 3H Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:  Date: 6/13/2019

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Aaron Pachlhofer
Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland, TX 79707

Project: Gossett Federal Battery

Project Number: none

Location: Eddy County, NM

Lab Order Number: 0C12001



NELAP/TCEQ # T104704516-18-9

Report Date: 03/20/20

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-2 Surface	0C12001-01	Soil	03/11/20 09:48	03-12-2020 12:00
S-2 6-9"	0C12001-02	Soil	03/11/20 09:51	03-12-2020 12:00
S-3 Surface	0C12001-03	Soil	03/11/20 10:36	03-12-2020 12:00
S-3 6-9"	0C12001-04	Soil	03/11/20 10:40	03-12-2020 12:00
S-4 Surface	0C12001-05	Soil	03/11/20 09:57	03-12-2020 12:00
S-4 6-9"	0C12001-06	Soil	03/11/20 10:00	03-12-2020 12:00
S-5 Surface	0C12001-07	Soil	03/11/20 10:28	03-12-2020 12:00
S-5 6-9"	0C12001-08	Soil	03/11/20 10:31	03-12-2020 12:00
S-6 Surface	0C12001-09	Soil	03/11/20 10:03	03-12-2020 12:00
S-6 6-9"	0C12001-10	Soil	03/11/20 10:06	03-12-2020 12:00
S-7 Surface	0C12001-11	Soil	03/11/20 10:18	03-12-2020 12:00
S-7 6-9"	0C12001-12	Soil	03/11/20 10:22	03-12-2020 12:00
S-8 Surface	0C12001-13	Soil	03/11/20 10:11	03-12-2020 12:00
S-8 6-9"	0C12001-14	Soil	03/11/20 10:14	03-12-2020 12:00
S-9	0C12001-15	Soil	03/11/20 10:50	03-12-2020 12:00
S-9 6-9"	0C12001-16	Soil	03/11/20 10:53	03-12-2020 12:00
S-10 Surface	0C12001-17	Soil	03/11/20 10:57	03-12-2020 12:00
S-10 6-9"	0C12001-18	Soil	03/11/20 11:01	03-12-2020 12:00
S-11 Surface	0C12001-19	Soil	03/11/20 11:05	03-12-2020 12:00
S-11 6-9"	0C12001-20	Soil	03/11/20 11:09	03-12-2020 12:00
S-12 Surface	0C12001-21	Soil	03/11/20 11:14	03-12-2020 12:00
S-12 6-9"	0C12001-22	Soil	03/11/20 11:20	03-12-2020 12:00
S-12a Surface	0C12001-23	Soil	03/11/20 11:25	03-12-2020 12:00
S-12a 6-9"	0C12001-24	Soil	03/11/20 11:28	03-12-2020 12:00
S-13 Surface	0C12001-25	Soil	03/11/20 13:35	03-12-2020 12:00
S-13 6-9"	0C12001-26	Soil	03/11/20 13:40	03-12-2020 12:00
S-14 Surface	0C12001-27	Soil	03/11/20 13:43	03-12-2020 12:00
S-14 6-9"	0C12001-28	Soil	03/11/20 13:47	03-12-2020 12:00
S-15 Surface	0C12001-29	Soil	03/11/20 13:59	03-12-2020 12:00
S-15 6-9"	0C12001-30	Soil	03/11/20 14:04	03-12-2020 12:00
S-16 Surface	0C12001-31	Soil	03/11/20 14:10	03-12-2020 12:00
S-16 6-9"	0C12001-32	Soil	03/11/20 14:14	03-12-2020 12:00
S-17 Surface	0C12001-33	Soil	03/11/20 14:17	03-12-2020 12:00
S-17 6-9"	0C12001-34	Soil	03/11/20 14:21	03-12-2020 12:00

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-18 Surface	0C12001-35	Soil	03/11/20 14:25	03-12-2020 12:00
S-18 6-9"	0C12001-36	Soil	03/11/20 14:30	03-12-2020 12:00
S-19 Surface	0C12001-37	Soil	03/11/20 14:35	03-12-2020 12:00
S-19 6-9"	0C12001-38	Soil	03/11/20 14:37	03-12-2020 12:00
S-20 Surface	0C12001-39	Soil	03/11/20 14:40	03-12-2020 12:00
S-20 6-9"	0C12001-40	Soil	03/11/20 14:45	03-12-2020 12:00
S-21 Surface	0C12001-41	Soil	03/11/20 14:50	03-12-2020 12:00
S-21 6-9"	0C12001-42	Soil	03/11/20 14:55	03-12-2020 12:00

On March 17, 2020, PBELAB Staff was advised to add BTEX and TPH to samples Surface-1 and Surface-3. This final report reflects those additions.

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-2 Surface
0C12001-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00111	mg/kg dry	1	POC1703	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	POC1703	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	POC1703	03/17/20	03/17/20	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	POC1703	03/17/20	03/17/20	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	POC1703	03/17/20	03/17/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		109 %	75-125		POC1703	03/17/20	03/17/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		94.4 %	75-125		POC1703	03/17/20	03/17/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	99.2	5.56	mg/kg dry	5	POC1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	10.0	0.1	%	1	POC1302	03/13/20	03/13/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	30.3	27.8	mg/kg dry	1	POC1802	03/18/20	03/18/20	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	POC1802	03/18/20	03/18/20	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	POC1802	03/18/20	03/18/20	TPH 8015M	
Surrogate: 1-Chlorooctane		112 %	70-130		POC1802	03/18/20	03/18/20	TPH 8015M	
Surrogate: o-Terphenyl		129 %	70-130		POC1802	03/18/20	03/18/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	30.3	27.8	mg/kg dry	1	[CALC]	03/18/20	03/18/20	calc	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-2 6-9"

0C12001-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	157	5.68	mg/kg dry	5	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-3 Surface
0C12001-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

Organics by GC

Benzene	ND	0.00114	mg/kg dry	1	P0C1703	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P0C1703	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P0C1703	03/17/20	03/17/20	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P0C1703	03/17/20	03/17/20	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P0C1703	03/17/20	03/17/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		92.7 %	75-125		P0C1703	03/17/20	03/17/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		104 %	75-125		P0C1703	03/17/20	03/17/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	20.0	1.14	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	28.4	mg/kg dry	1	P0C1802	03/18/20	03/18/20	TPH 8015M	
>C12-C28	33.1	28.4	mg/kg dry	1	P0C1802	03/18/20	03/18/20	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P0C1802	03/18/20	03/18/20	TPH 8015M	
Surrogate: 1-Chlorooctane		113 %	70-130		P0C1802	03/18/20	03/18/20	TPH 8015M	
Surrogate: o-Terphenyl		127 %	70-130		P0C1802	03/18/20	03/18/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	33.1	28.4	mg/kg dry	1	[CALC]	03/18/20	03/18/20	calc	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-3 6-9"

0C12001-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	32.3	1.15	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	13.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-4 Surface
0C12001-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	33.9	10.6	mg/kg dry	10	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-4 6-9"

0C12001-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	48.3	11.4	mg/kg dry	10	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-5 Surface
0C12001-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	56.0	1.05	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-5 6-9"

0C12001-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	305	1.22	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	18.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-6 Surface
0C12001-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	24.5	5.15	mg/kg dry	5	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-6 6-9"

0C12001-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	25.1	1.14	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-7 Surface
0C12001-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	62.3	1.15	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	13.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-7 6-9"

0C12001-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	135.0	1.22	mg/kg dry	5	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	16.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-8 Surface
0C12001-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	24.2	1.02	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	2.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-8 6-9"

0C12001-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	29.4	1.03	mg/kg dry	1	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-9

0C12001-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	4290	11.4	mg/kg dry	10	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-9 6-9"

0C12001-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	4660	11.2	mg/kg dry	10	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	11.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-10 Surface
0C12001-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	9530	28.7	mg/kg dry	25	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	13.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-10 6-9"
0C12001-18 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	8280	11.2	mg/kg dry	10	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	11.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-11 Surface
0C12001-19 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	2680	29.1	mg/kg dry	25	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	14.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-11 6-9"
0C12001-20 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	2850	11.4	mg/kg dry	10	P0C1304	03/13/20	03/13/20	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-12 Surface
0C12001-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	5780	11.2	mg/kg dry	5	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	14.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-12 6-9"
0C12001-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	323	5.81	mg/kg dry	10	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	11.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-12a Surface
0C12001-23 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	11000	11.2	mg/kg dry	10	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	11.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-12a 6-9"
0C12001-24 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	3480	27.8	mg/kg dry	25	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	10.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-13 Surface
0C12001-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	6660	10.8	mg/kg dry	10	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	7.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-13 6-9"
0C12001-26 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	1240	1.06	mg/kg dry	1	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-14 Surface
0C12001-27 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	453	1.09	mg/kg dry	1	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-14 6-9"
0C12001-28 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	124	1.04	mg/kg dry	1	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	4.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-15 Surface
0C12001-29 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	27.8	1.06	mg/kg dry	1	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	6.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-15 6-9"
0C12001-30 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	123	10.9	mg/kg dry	10	P0C1305	03/13/20	03/14/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-16 Surface
0C12001-31 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	570	5.49	mg/kg dry	5	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	9.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-16 6-9"
0C12001-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	91.4	1.05	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-17 Surface
0C12001-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	55.5	1.05	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	5.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-17 6-9"
0C12001-34 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	30.1	1.03	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-18 Surface
0C12001-35 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	42.3	1.11	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	10.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-18 6-9"
0C12001-36 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	22.0	1.10	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	9.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-19 Surface
0C12001-37 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	559	1.14	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	12.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-19 6-9"
0C12001-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	94.2	1.11	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	10.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-20 Surface
0C12001-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	65.5	1.11	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	10.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-20 6-9"
0C12001-40 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.1	1.09	mg/kg dry	1	P0C1305	03/13/20	03/16/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-21 Surface
0C12001-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	15.7	1.09	mg/kg dry	1	P0C1306	03/13/20	03/16/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Federal Battery
 Project Number: none
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-21 6-9"
0C12001-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.8	1.09	mg/kg dry	1	P0C1306	03/13/20	03/16/20	EPA 300.0	
% Moisture	8.0	0.1	%	1	P0C1302	03/13/20	03/13/20	ASTM D2216	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C1703 - General Preparation (GC)**Blank (P0C1703-BLK1)**

Prepared & Analyzed: 03/17/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			

LCS (P0C1703-BS1)

Prepared & Analyzed: 03/17/20

Benzene	0.0992	0.00100	mg/kg wet	0.100		99.2	70-130			
Toluene	0.0981	0.00100	"	0.100		98.1	70-130			
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130			
Xylene (p/m)	0.204	0.00200	"	0.200		102	70-130			
Xylene (o)	0.103	0.00100	"	0.100		103	70-130			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.4	75-125			
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			

LCS Dup (P0C1703-BSD1)

Prepared & Analyzed: 03/17/20

Benzene	0.108	0.00100	mg/kg wet	0.100		108	70-130	8.34	20	
Toluene	0.107	0.00100	"	0.100		107	70-130	8.74	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	70-130	5.24	20	
Xylene (p/m)	0.226	0.00200	"	0.200		113	70-130	10.4	20	
Xylene (o)	0.115	0.00100	"	0.100		115	70-130	11.3	20	
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	75-125			

Calibration Blank (P0C1703-CCB1)

Prepared & Analyzed: 03/17/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.590		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.121		"	0.120		101	75-125			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.6	75-125			

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C1703 - General Preparation (GC)**Calibration Blank (P0C1703-CCB2)**

Prepared & Analyzed: 03/17/20

Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	0.126		"	0.120		105	75-125			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.120		94.3	75-125			

Calibration Check (P0C1703-CCV1)

Prepared & Analyzed: 03/17/20

Benzene	0.0912	0.00100	mg/kg wet	0.100		91.2	80-120			
Toluene	0.0912	0.00100	"	0.100		91.2	80-120			
Ethylbenzene	0.0968	0.00100	"	0.100		96.8	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.0	80-120			
Xylene (o)	0.0988	0.00100	"	0.100		98.8	80-120			
Surrogate: 1,4-Difluorobenzene	0.116		"	0.120		96.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.123		"	0.120		103	75-125			

Calibration Check (P0C1703-CCV2)

Prepared & Analyzed: 03/17/20

Benzene	0.0934	0.00100	mg/kg wet	0.100		93.4	80-120			
Toluene	0.0944	0.00100	"	0.100		94.4	80-120			
Ethylbenzene	0.0986	0.00100	"	0.100		98.6	80-120			
Xylene (p/m)	0.196	0.00200	"	0.200		98.2	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.120		109	75-125			
Surrogate: 1,4-Difluorobenzene	0.117		"	0.120		97.6	75-125			

Calibration Check (P0C1703-CCV3)

Prepared & Analyzed: 03/17/20

Benzene	0.0979	0.00100	mg/kg wet	0.100		97.9	80-120			
Toluene	0.0967	0.00100	"	0.100		96.7	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.110	0.00100	"	0.100		110	80-120			
Surrogate: 4-Bromofluorobenzene	0.129		"	0.120		107	75-125			
Surrogate: 1,4-Difluorobenzene	0.118		"	0.120		98.4	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Organics by GC - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0C1703 - General Preparation (GC)

Matrix Spike (P0C1703-MS1)	Source: 0C16003-01			Prepared & Analyzed: 03/17/20						
Benzene	0.0754	0.00102	mg/kg dry	0.102	ND	73.9	80-120			QM-07
Toluene	0.0739	0.00102	"	0.102	ND	72.5	80-120			QM-07
Ethylbenzene	0.0894	0.00102	"	0.102	ND	87.6	80-120			
Xylene (p/m)	0.152	0.00204	"	0.204	ND	74.4	80-120			QM-07
Xylene (o)	0.0752	0.00102	"	0.102	ND	73.7	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.120		"	0.122		97.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.131		"	0.122		107	75-125			

Matrix Spike Dup (P0C1703-MSD1)	Source: 0C16003-01			Prepared & Analyzed: 03/17/20						
Benzene	0.0831	0.00102	mg/kg dry	0.102	ND	81.4	80-120	9.62	20	
Toluene	0.0823	0.00102	"	0.102	ND	80.7	80-120	10.7	20	
Ethylbenzene	0.0987	0.00102	"	0.102	ND	96.7	80-120	9.90	20	
Xylene (p/m)	0.169	0.00204	"	0.204	ND	82.7	80-120	10.5	20	
Xylene (o)	0.0840	0.00102	"	0.102	ND	82.3	80-120	11.0	20	
Surrogate: 1,4-Difluorobenzene	0.120		"	0.122		98.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.133		"	0.122		109	75-125			

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C1302 - *** DEFAULT PREP ***										
Blank (P0C1302-BLK1)										
Prepared & Analyzed: 03/13/20										
% Moisture	ND	0.1	%							
Duplicate (P0C1302-DUP1)										
Source: 0C12001-26										
Prepared & Analyzed: 03/13/20										
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P0C1302-DUP2)										
Source: 0C12001-42										
Prepared & Analyzed: 03/13/20										
% Moisture	9.0	0.1	%		8.0			11.8	20	
Batch P0C1304 - *** DEFAULT PREP ***										
Blank (P0C1304-BLK1)										
Prepared & Analyzed: 03/13/20										
Chloride	ND	0.100	mg/kg wet							
LCS (P0C1304-BS1)										
Prepared & Analyzed: 03/13/20										
Chloride	402	1.00	mg/kg wet	400		101	80-120			
LCS Dup (P0C1304-BSD1)										
Prepared & Analyzed: 03/13/20										
Chloride	404	1.00	mg/kg wet	400		101	80-120	0.462	20	
Calibration Blank (P0C1304-CCB1)										
Prepared & Analyzed: 03/13/20										
Chloride	0.00		mg/kg wet							
Calibration Blank (P0C1304-CCB2)										
Prepared & Analyzed: 03/13/20										
Chloride	0.00		mg/kg wet							
Calibration Check (P0C1304-CCV1)										
Prepared & Analyzed: 03/13/20										
Chloride	20.2		mg/kg	20.0		101	0-200			

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C1304 - *** DEFAULT PREP ***										
Calibration Check (P0C1304-CCV2)				Prepared & Analyzed: 03/13/20						
Chloride	20.1		mg/kg	20.0		101	0-200			
Matrix Spike (P0C1304-MS1)				Source: 0C12001-01 Prepared & Analyzed: 03/13/20						
Chloride	722	5.56	mg/kg dry	556	99.2	112	80-120			
Matrix Spike (P0C1304-MS2)				Source: 0C12001-12 Prepared & Analyzed: 03/13/20						
Chloride	2040	5.95	mg/kg dry	595	1350	115	80-120			
Matrix Spike Dup (P0C1304-MSD1)				Source: 0C12001-01 Prepared & Analyzed: 03/13/20						
Chloride	695	5.56	mg/kg dry	556	99.2	107	80-120	3.73	20	
Matrix Spike Dup (P0C1304-MSD2)				Source: 0C12001-12 Prepared & Analyzed: 03/13/20						
Chloride	2070	5.95	mg/kg dry	595	1350	121	80-120	1.71	20	
Batch P0C1305 - *** DEFAULT PREP ***										
Blank (P0C1305-BLK1)				Prepared: 03/13/20 Analyzed: 03/14/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0C1305-BS1)				Prepared & Analyzed: 03/13/20						
Chloride	425	1.00	mg/kg wet	400		106	80-120			
LCS Dup (P0C1305-BSD1)				Prepared: 03/13/20 Analyzed: 03/14/20						
Chloride	422	1.00	mg/kg wet	400		105	80-120	0.714	20	
Calibration Blank (P0C1305-CCB1)				Prepared & Analyzed: 03/13/20						
Chloride	0.00		mg/kg wet							

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C1305 - *** DEFAULT PREP ***										
Calibration Blank (P0C1305-CCB2)										
				Prepared: 03/13/20 Analyzed: 03/14/20						
Chloride	0.00		mg/kg wet							
Calibration Check (P0C1305-CCV1)										
				Prepared & Analyzed: 03/13/20						
Chloride	20.8		mg/kg	20.0		104	0-200			
Calibration Check (P0C1305-CCV2)										
				Prepared: 03/13/20 Analyzed: 03/14/20						
Chloride	20.8		mg/kg	20.0		104	0-200			
Matrix Spike (P0C1305-MS1)										
		Source: 0C12001-21		Prepared: 03/13/20 Analyzed: 03/14/20						
Chloride	969	5.81	mg/kg dry	581	323	111	80-120			
Matrix Spike (P0C1305-MS2)										
		Source: 0C12001-31		Prepared: 03/13/20 Analyzed: 03/16/20						
Chloride	1190	5.49	mg/kg dry	549	570	112	80-120			
Matrix Spike Dup (P0C1305-MSD1)										
		Source: 0C12001-21		Prepared: 03/13/20 Analyzed: 03/14/20						
Chloride	919	5.81	mg/kg dry	581	323	102	80-120	5.34	20	
Matrix Spike Dup (P0C1305-MSD2)										
		Source: 0C12001-31		Prepared: 03/13/20 Analyzed: 03/16/20						
Chloride	1210	5.49	mg/kg dry	549	570	117	80-120	1.89	20	
Batch P0C1306 - *** DEFAULT PREP ***										
Blank (P0C1306-BLK1)										
				Prepared: 03/13/20 Analyzed: 03/16/20						
Chloride	ND	0.100	mg/kg wet							
LCS (P0C1306-BS1)										
				Prepared: 03/13/20 Analyzed: 03/16/20						
Chloride	440	1.00	mg/kg wet	400		110	80-120			

Fasken Oil & Ranch, Ltd.
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Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C1306 - *** DEFAULT PREP ***										
LCS Dup (P0C1306-BSD1) Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	442	1.00	mg/kg wet	400		110	80-120	0.343	20	
Calibration Blank (P0C1306-CCB1) Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	0.00		mg/kg wet							
Calibration Blank (P0C1306-CCB2) Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	0.00		mg/kg wet							
Calibration Check (P0C1306-CCV1) Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	22.6		mg/kg	20.0		113	0-200			
Calibration Check (P0C1306-CCV2) Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	22.4		mg/kg	20.0		112	0-200			
Matrix Spike (P0C1306-MS1) Source: 0C12004-06 Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	2950	27.2	mg/kg dry	2720	117	104	80-120			
Matrix Spike (P0C1306-MS2) Source: 0C13001-03 Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	783	5.75	mg/kg dry	575	157	109	80-120			
Matrix Spike Dup (P0C1306-MSD1) Source: 0C12004-06 Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	2950	27.2	mg/kg dry	2720	117	104	80-120	0.00923	20	
Matrix Spike Dup (P0C1306-MSD2) Source: 0C13001-03 Prepared: 03/13/20 Analyzed: 03/16/20										
Chloride	808	5.75	mg/kg dry	575	157	113	80-120	3.12	20	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
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Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C1802 - TX 1005										
Blank (P0C1802-BLK1)										
Prepared & Analyzed: 03/18/20										
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	110		"	100		110	70-130			
Surrogate: o-Terphenyl	57.2		"	50.0		114	70-130			
LCS (P0C1802-BS1)										
Prepared & Analyzed: 03/18/20										
C6-C12	1080	25.0	mg/kg wet	1000		108	75-125			
>C12-C28	1180	25.0	"	1000		118	75-125			
Surrogate: 1-Chlorooctane	98.8		"	100		98.8	70-130			
Surrogate: o-Terphenyl	57.7		"	50.0		115	70-130			
LCS Dup (P0C1802-BSD1)										
Prepared & Analyzed: 03/18/20										
C6-C12	1040	25.0	mg/kg wet	1000		104	75-125	3.80	20	
>C12-C28	1180	25.0	"	1000		118	75-125	0.412	20	
Surrogate: 1-Chlorooctane	127		"	100		127	70-130			
Surrogate: o-Terphenyl	52.6		"	50.0		105	70-130			
Calibration Blank (P0C1802-CCB1)										
Prepared & Analyzed: 03/18/20										
C6-C12	24.2		mg/kg wet							
>C12-C28	24.1		"							
Surrogate: 1-Chlorooctane	104		"	100		104	70-130			
Surrogate: o-Terphenyl	55.5		"	50.0		111	70-130			
Calibration Blank (P0C1802-CCB2)										
Prepared & Analyzed: 03/18/20										
C6-C12	24.5		mg/kg wet							
>C12-C28	19.0		"							
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	59.4		"	50.0		119	70-130			

Fasken Oil & Ranch, Ltd.
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Project: Gossett Federal Battery
Project Number: none
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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0C1802 - TX 1005										
Calibration Check (P0C1802-CCV1)				Prepared & Analyzed: 03/18/20						
C6-C12	472	25.0	mg/kg wet	500		94.3	85-115			
>C12-C28	460	25.0	"	500		92.0	85-115			
Surrogate: 1-Chlorooctane	91.8		"	100		91.8	70-130			
Surrogate: o-Terphenyl	43.1		"	50.0		86.1	70-130			
Calibration Check (P0C1802-CCV2)				Prepared & Analyzed: 03/18/20						
C6-C12	552	25.0	mg/kg wet	500		110	85-115			
>C12-C28	525	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	123		"	100		123	70-130			
Surrogate: o-Terphenyl	56.9		"	50.0		114	70-130			
Calibration Check (P0C1802-CCV3)				Prepared: 03/18/20 Analyzed: 03/19/20						
C6-C12	551	25.0	mg/kg wet	500		110	85-115			
>C12-C28	520	25.0	"	500		104	85-115			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			
Surrogate: o-Terphenyl	55.0		"	50.0		110	70-130			
Matrix Spike (P0C1802-MS1)				Source: 0C18005-02		Prepared: 03/18/20 Analyzed: 03/19/20				
C6-C12	1120	26.3	mg/kg dry	1050	37.9	103	75-125			
>C12-C28	1050	26.3	"	1050	249	76.4	75-125			
Surrogate: 1-Chlorooctane	127		"	105		121	70-130			
Surrogate: o-Terphenyl	51.9		"	52.6		98.6	70-130			
Matrix Spike Dup (P0C1802-MSD1)				Source: 0C18005-02		Prepared: 03/18/20 Analyzed: 03/19/20				
C6-C12	1170	26.3	mg/kg dry	1050	37.9	107	75-125	4.60	20	
>C12-C28	1070	26.3	"	1050	249	77.6	75-125	1.65	20	
Surrogate: 1-Chlorooctane	136		"	105		129	70-130			
Surrogate: o-Terphenyl	13.0		"	52.6		24.8	70-130			S-GC

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Notes and Definitions

- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- ROI Received on Ice
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BULK Samples received in Bulk soil containers
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- LCS Laboratory Control Spike
- MS Matrix Spike
- Dup Duplicate

Report Approved By:  Date: 3/20/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Federal Battery
Project Number: none
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706

Phone: 432-686-7235

Project Name: Gosssett Federal Battery

Project Manager: Aaron Pachhofer

Company Name: Fasken Oil and Ranch, Ltd

Company Address: 6101 Holiday Hill Road

City/State/Zip: Midland, TX 79707

Telephone No: 432-687-1777

Sampler Signature:

Fax No: 432-687-1570

e-mail: aaronp@forl.com

Report Format: Standard

TRRP

NPDES

PO #:

Project Loc: Eddy County, NM

Project #:

(lab use only)
ORDER #: DC 12001

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	TPH: 418.1 <u>6015M</u> 6015E	TPH: <u>TX 1005</u> TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX <u>6021B</u> /5030 or BTEX 6260	RC:	N.O.R.M.	Glycol	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
41	S-21 Surface			3/11/2020	2:50			X									S					X											X
42	S-21 6-9"			3/11/2020	2:55			X									S					X											X

Special Instructions:

Laboratory Comments:

Inquired by: Aaron Pachhofer
Date: 3/12/20
Time: 12:00
Received by:

Date: 3/12/20
Time: 12:00

Inquired by:

Date: 3/12/20
Time: 12:00

Inquired by:

Date: 3/12/20
Time: 12:00

Inquired by:

Date: 3/12/20
Time: 12:00

Sample Containers: intact? N
 VOCs Free of Headspace? N
 Labels on container(s)? N
 Custody seals on container(s)? N
 Custody seals on cooler(s)? N
 Sample Hand Delivered by Courier? N
 by Sampler/Client Rep.? N
 Temperature Upon Receipt: 4.5 °C Factor 1.2
 Adjusted: 5.5 °C

**PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701**



Analytical Report

Prepared for:

Aaron Pachlhofer
Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland, TX 79707

Project: Gossett Battery
Project Number: [none]
Location: Eddy County, NM
Lab Order Number: 0H28008



NELAP/TCEQ # T104704516-17-8

Report Date: 09/11/20

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1 @ 1'	0H28008-01	Soil	08/27/20 11:00	08-28-2020 14:20
S-9 @ 1.25'	0H28008-02	Soil	08/27/20 11:07	08-28-2020 14:20
S-10 @ 1.25'	0H28008-03	Soil	08/27/20 11:15	08-28-2020 14:20
S-11 @ 1.25'	0H28008-04	Soil	08/27/20 11:23	08-28-2020 14:20
S-12 @ 1.25'	0H28008-05	Soil	08/27/20 11:35	08-28-2020 14:20
S-12A @ 1.25'	0H28008-06	Soil	08/27/20 11:41	08-28-2020 14:20
S-13 @ 1.25'	0H28008-07	Soil	08/27/20 11:55	08-28-2020 14:20
DEL-1	0H28008-08	Soil	08/27/20 12:02	08-28-2020 14:20
DEL-2	0H28008-09	Soil	08/27/20 12:14	08-28-2020 14:20
DEL-3	0H28008-10	Soil	08/27/20 12:30	08-28-2020 14:20
DEL-4	0H28008-11	Soil	08/27/20 12:42	08-28-2020 14:20
DEL-5	0H28008-12	Soil	08/27/20 12:58	08-28-2020 14:20
DEL-6	0H28008-13	Soil	08/27/20 13:09	08-28-2020 14:20
DEL-7	0H28008-14	Soil	08/27/20 13:25	08-28-2020 14:20
DEL-8	0H28008-15	Soil	08/27/20 13:38	08-28-2020 14:20

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-1 @ 1'
0H28008-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		89.6 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.0 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	400	5.5	mg/kg dry	50	P010311	09/03/20	09/04/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
Surrogate: o-Terphenyl		129 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/10/20	09/10/20	calc	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-9 @ 1.25'
0H28008-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.00283	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Toluene	0.00361	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		87.6 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.4 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	510	5.5	mg/kg dry	10	P010311	09/03/20	09/04/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	POH3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		118 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		124 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/10/20	09/10/20	calc	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-10 @ 1.25'
0H28008-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.00211	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Toluene	0.00280	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		87.9 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		84.3 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	532	5.00	mg/kg dry	5	P010311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		101 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		57.3 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/10/20	09/10/20	calc	

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6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-11 @ 1.25'
0H28008-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.00395	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Toluene	0.00713	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		88.1 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		95.7 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	561	5.0	mg/kg dry	50	P010311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		115 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		99.9 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/10/20	09/10/20	calc	

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6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-12 @ 1.25'
0H28008-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Toluene	0.00235	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		87.4 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.2 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	280	1.5	mg/kg dry	50	P010311	09/03/20	09/04/20	EPA 300.0	
% Moisture	1.0	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.3	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		116 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		130 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	09/10/20	09/10/20	calc	

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Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

S-12A @ 1.25'
0H28008-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	0.00316	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Toluene	0.00738	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Ethylbenzene	0.00118	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 1,4-Difluorobenzene</i>		89.4 %		75-125	P011002	09/10/20	09/10/20	EPA 8021B	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.2 %		75-125	P011002	09/10/20	09/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	470	5.5	mg/kg dry	50	P010311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	POH3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: 1-Chlorooctane</i>		112 %		70-130	P011003	09/10/20	09/10/20	TPH 8015M	
<i>Surrogate: o-Terphenyl</i>		108 %		70-130	P011003	09/10/20	09/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	09/10/20	09/10/20	calc	

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Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

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S-13 @ 1.25'
0H28008-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Toluene	0.00105	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P011002	09/10/20	09/10/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.7 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		89.5 %	75-125		P011002	09/10/20	09/10/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	230	4.3	mg/kg dry	10	P010311	09/03/20	09/04/20	EPA 300.0	
% Moisture	3.0	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.8	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C12-C28	134	25.8	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
>C28-C35	38.9	25.8	mg/kg dry	1	P011003	09/10/20	09/10/20	TPH 8015M	
Surrogate: 1-Chlorooctane		118 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
Surrogate: o-Terphenyl		130 %	70-130		P011003	09/10/20	09/10/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	173	25.8	mg/kg dry	1	[CALC]	09/10/20	09/10/20	calc	

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Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

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DEL-1
OH28008-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0206	09/02/20	09/02/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0206	09/02/20	09/02/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0206	09/02/20	09/02/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0206	09/02/20	09/02/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0206	09/02/20	09/02/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		85.6 %	75-125		P0I0206	09/02/20	09/02/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		86.0 %	75-125		P0I0206	09/02/20	09/02/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	14.7	1.00	mg/kg dry	1	P0I0311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: 1-Chlorooctane		106 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: o-Terphenyl		69.5 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/28/20	calc	

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Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

DEL-2
OH28008-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		86.8 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.8 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	159	1.00	mg/kg dry	1	P0I0311	09/03/20	09/07/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: 1-Chlorooctane		108 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: o-Terphenyl		103 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/28/20	calc	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

DEL-3
OH28008-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		85.8 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		88.8 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.1	1.0	mg/kg dry	10	P0I0311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: 1-Chlorooctane		94.3 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: o-Terphenyl		101 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/28/20	calc	

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

DEL-4
0H28008-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		86.6 %		75-125	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.4 %		75-125	P0I0307	09/03/20	09/03/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	18.8	1.00	mg/kg dry	1	P0I0311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: 1-Chlorooctane		86.8 %		70-130	P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: o-Terphenyl		68.7 %		70-130	P0H2808	08/28/20	08/28/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/28/20	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

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Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

DEL-5
OH28008-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.5 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		87.7 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	21.6	1.00	mg/kg dry	1	P0I0311	09/03/20	09/07/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: 1-Chlorooctane		101 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: o-Terphenyl		79.2 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/28/20	calc	

Fasken Oil & Ranch, Ltd.
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Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

DEL-6
OH28008-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.9 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		84.2 %	75-125		P0I0307	09/03/20	09/03/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	213	1.00	mg/kg dry	1	P0I0311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: 1-Chlorooctane		88.2 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	
Surrogate: o-Terphenyl		54.6 %	70-130		P0H2808	08/28/20	08/28/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/28/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

DEL-7
OH28008-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.0 %		75-125	P0I0307	09/03/20	09/03/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		84.7 %		75-125	P0I0307	09/03/20	09/03/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	33.2	1.0	mg/kg dry	10	P0I0311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/29/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/29/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/29/20	TPH 8015M	
Surrogate: 1-Chlorooctane		99.5 %		70-130	P0H2808	08/28/20	08/29/20	TPH 8015M	
Surrogate: o-Terphenyl		86.3 %		70-130	P0H2808	08/28/20	08/29/20	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/29/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

DEL-8
OH28008-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Permian Basin Environmental Lab, L.P.

BTEX by 8021B

Benzene	ND	0.00100	mg/kg dry	1	P0I0310	09/03/20	09/04/20	EPA 8021B	
Toluene	ND	0.00100	mg/kg dry	1	P0I0310	09/03/20	09/04/20	EPA 8021B	
Ethylbenzene	ND	0.00100	mg/kg dry	1	P0I0310	09/03/20	09/04/20	EPA 8021B	
Xylene (p/m)	ND	0.00200	mg/kg dry	1	P0I0310	09/03/20	09/04/20	EPA 8021B	
Xylene (o)	ND	0.00100	mg/kg dry	1	P0I0310	09/03/20	09/04/20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		87.2 %		75-125	P0I0310	09/03/20	09/04/20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		89.6 %		75-125	P0I0310	09/03/20	09/04/20	EPA 8021B	

General Chemistry Parameters by EPA / Standard Methods

Chloride	90.9	1.00	mg/kg dry	5	P0I0311	09/03/20	09/04/20	EPA 300.0	
% Moisture	ND	0.1	%	1	P0H3103	08/31/20	08/31/20	ASTM D2216	

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

C6-C12	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/29/20	TPH 8015M	
>C12-C28	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/29/20	TPH 8015M	
>C28-C35	ND	25.0	mg/kg dry	1	P0H2808	08/28/20	08/29/20	TPH 8015M	
Surrogate: 1-Chlorooctane		89.2 %		70-130	P0H2808	08/28/20	08/29/20	TPH 8015M	
Surrogate: o-Terphenyl		60.4 %		70-130	P0H2808	08/28/20	08/29/20	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	25.0	mg/kg dry	1	[CALC]	08/28/20	08/29/20	calc	

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P010206 - General Preparation (GC)**Blank (P010206-BLK1)**

Prepared & Analyzed: 09/02/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.0974		"	0.120		81.2	75-125			

LCS (P010206-BS1)

Prepared & Analyzed: 09/02/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	70-130			
Toluene	0.0886	0.00100	"	0.100		88.6	70-130			
Ethylbenzene	0.0941	0.00100	"	0.100		94.1	70-130			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	70-130			
Xylene (o)	0.0924	0.00100	"	0.100		92.4	70-130			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		84.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.0975		"	0.120		81.3	75-125			

LCS Dup (P010206-BSD1)

Prepared & Analyzed: 09/02/20

Benzene	0.111	0.00100	mg/kg wet	0.100		111	70-130	9.15	20	
Toluene	0.106	0.00100	"	0.100		106	70-130	18.2	20	
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130	11.1	20	
Xylene (p/m)	0.218	0.00200	"	0.200		109	70-130	14.3	20	
Xylene (o)	0.105	0.00100	"	0.100		105	70-130	12.8	20	
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.0998		"	0.120		83.1	75-125			

Calibration Check (P010206-CCV1)

Prepared & Analyzed: 09/02/20

Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0895	0.00100	"	0.100		89.5	80-120			
Ethylbenzene	0.0932	0.00100	"	0.100		93.2	80-120			
Xylene (p/m)	0.188	0.00200	"	0.200		93.8	80-120			
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120			
Surrogate: 4-Bromofluorobenzene	0.0973		"	0.120		81.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.101		"	0.120		83.8	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P010206 - General Preparation (GC)**Calibration Check (P010206-CCV2)**

Prepared & Analyzed: 09/02/20

Benzene	0.0991	0.00100	mg/kg wet	0.100		99.1	80-120			
Toluene	0.0947	0.00100	"	0.100		94.7	80-120			
Ethylbenzene	0.0962	0.00100	"	0.100		96.2	80-120			
Xylene (p/m)	0.185	0.00200	"	0.200		92.6	80-120			
Xylene (o)	0.0962	0.00100	"	0.100		96.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.1	75-125			

Calibration Check (P010206-CCV3)

Prepared: 09/02/20 Analyzed: 09/03/20

Benzene	0.0987	0.00100	mg/kg wet	0.100		98.7	80-120			
Toluene	0.0890	0.00100	"	0.100		89.0	80-120			
Ethylbenzene	0.0903	0.00100	"	0.100		90.3	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		87.8	80-120			
Xylene (o)	0.0940	0.00100	"	0.100		94.0	80-120			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		87.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.0965		"	0.120		80.4	75-125			

Matrix Spike (P010206-MS1)

Source: 0102003-01

Prepared & Analyzed: 09/02/20

Benzene	0.0884	0.00105	mg/kg dry	0.105	ND	84.0	80-120			
Toluene	0.0762	0.00105	"	0.105	ND	72.4	80-120			QM-07
Ethylbenzene	0.0933	0.00105	"	0.105	ND	88.6	80-120			
Xylene (p/m)	0.156	0.00211	"	0.211	ND	74.2	80-120			QM-07
Xylene (o)	0.0781	0.00105	"	0.105	ND	74.2	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	0.113		"	0.126		89.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.126		86.9	75-125			

Matrix Spike Dup (P010206-MSD1)

Source: 0102003-01

Prepared: 09/02/20 Analyzed: 09/03/20

Benzene	0.0926	0.00105	mg/kg dry	0.105	ND	87.9	80-120	4.61	20	
Toluene	0.0791	0.00105	"	0.105	ND	75.1	80-120	3.73	20	QM-07
Ethylbenzene	0.100	0.00105	"	0.105	ND	95.4	80-120	7.42	20	
Xylene (p/m)	0.166	0.00211	"	0.211	ND	79.0	80-120	6.30	20	QM-07
Xylene (o)	0.0838	0.00105	"	0.105	ND	79.6	80-120	7.11	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.112		"	0.126		88.4	75-125			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.126		89.3	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P010307 - General Preparation (GC)**Blank (P010307-BLK1)**

Prepared & Analyzed: 09/03/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		84.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		86.2	75-125			

LCS (P010307-BS1)

Prepared & Analyzed: 09/03/20

Benzene	0.113	0.00100	mg/kg wet	0.100		113	70-130			
Toluene	0.106	0.00100	"	0.100		106	70-130			
Ethylbenzene	0.105	0.00100	"	0.100		105	70-130			
Xylene (p/m)	0.220	0.00200	"	0.200		110	70-130			
Xylene (o)	0.108	0.00100	"	0.100		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.0992		"	0.120		82.7	75-125			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.9	75-125			

LCS Dup (P010307-BSD1)

Prepared & Analyzed: 09/03/20

Benzene	0.103	0.00100	mg/kg wet	0.100		103	70-130	9.65	20	
Toluene	0.0979	0.00100	"	0.100		97.9	70-130	7.75	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	70-130	3.78	20	
Xylene (p/m)	0.204	0.00200	"	0.200		102	70-130	7.86	20	
Xylene (o)	0.0988	0.00100	"	0.100		98.8	70-130	8.62	20	
Surrogate: 4-Bromofluorobenzene	0.0988		"	0.120		82.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.0	75-125			

Calibration Blank (P010307-CCB1)

Prepared & Analyzed: 09/03/20

Benzene	0.00		mg/kg wet							
Toluene	0.460		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.500		"							
Xylene (o)	0.300		"							
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.102		"	0.120		85.1	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P010307 - General Preparation (GC)**Calibration Blank (P010307-CCB2)**

Prepared & Analyzed: 09/03/20

Benzene	0.00		mg/kg wet							
Toluene	0.420		"							
Ethylbenzene	0.530		"							
Xylene (p/m)	0.780		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		89.7	75-125			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		85.2	75-125			

Calibration Check (P010307-CCV1)

Prepared & Analyzed: 09/03/20

Benzene	0.101	0.00100	mg/kg wet	0.100		101	80-120			
Toluene	0.0928	0.00100	"	0.100		92.8	80-120			
Ethylbenzene	0.0933	0.00100	"	0.100		93.3	80-120			
Xylene (p/m)	0.190	0.00200	"	0.200		94.9	80-120			
Xylene (o)	0.0931	0.00100	"	0.100		93.1	80-120			
Surrogate: 1,4-Difluorobenzene	0.111		"	0.120		92.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.0994		"	0.120		82.8	75-125			

Calibration Check (P010307-CCV2)

Prepared & Analyzed: 09/03/20

Benzene	0.104	0.00100	mg/kg wet	0.100		104	80-120			
Toluene	0.0981	0.00100	"	0.100		98.1	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.198	0.00200	"	0.200		99.2	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.103		"	0.120		85.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.9	75-125			

Calibration Check (P010307-CCV3)

Prepared & Analyzed: 09/03/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.0969	0.00100	"	0.100		96.9	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.0998		"	0.120		83.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.3	75-125			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P010307 - General Preparation (GC)

Matrix Spike (P010307-MS1)	Source: 0103004-02			Prepared & Analyzed: 09/03/20						
Benzene	0.0722	0.00104	mg/kg dry	0.104	ND	69.3	80-120			QM-05
Toluene	0.0592	0.00104	"	0.104	0.00127	55.7	80-120			QM-05
Ethylbenzene	0.0626	0.00104	"	0.104	0.00343	56.8	80-120			QM-05
Xylene (p/m)	0.0876	0.00208	"	0.208	0.0106	37.0	80-120			QM-05
Xylene (o)	0.0452	0.00104	"	0.104	0.00322	40.3	80-120			QM-05
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.113</i>		<i>"</i>	<i>0.125</i>		<i>90.5</i>	<i>75-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.121</i>		<i>"</i>	<i>0.125</i>		<i>96.7</i>	<i>75-125</i>			

Matrix Spike Dup (P010307-MSD1)	Source: 0103004-02			Prepared & Analyzed: 09/03/20						
Benzene	0.0634	0.00104	mg/kg dry	0.104	ND	60.9	80-120	13.0	20	QM-05
Toluene	0.0558	0.00104	"	0.104	0.00127	52.4	80-120	6.09	20	QM-05
Ethylbenzene	0.0658	0.00104	"	0.104	0.00343	59.9	80-120	5.31	20	QM-05
Xylene (p/m)	0.0884	0.00208	"	0.208	0.0106	37.3	80-120	0.983	20	QM-05
Xylene (o)	0.0616	0.00104	"	0.104	0.00322	56.1	80-120	32.8	20	QM-05, R3
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.117</i>		<i>"</i>	<i>0.125</i>		<i>93.2</i>	<i>75-125</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.109</i>		<i>"</i>	<i>0.125</i>		<i>87.1</i>	<i>75-125</i>			

Batch P010310 - General Preparation (GC)

Blank (P010310-BLK1)	Prepared & Analyzed: 09/03/20									
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0980</i>		<i>"</i>	<i>0.120</i>		<i>81.7</i>	<i>75-125</i>			
<i>Surrogate: 1,4-Difluorobenzene</i>	<i>0.107</i>		<i>"</i>	<i>0.120</i>		<i>89.2</i>	<i>75-125</i>			

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6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0I0310 - General Preparation (GC)**LCS (P0I0310-BS1)**

Prepared & Analyzed: 09/03/20

Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130			
Toluene	0.0995	0.00100	"	0.100		99.5	70-130			
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130			
Xylene (p/m)	0.199	0.00200	"	0.200		99.6	70-130			
Xylene (o)	0.103	0.00100	"	0.100		103	70-130			
Surrogate: 1,4-Difluorobenzene	0.109		"	0.120		90.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.0969		"	0.120		80.8	75-125			

LCS Dup (P0I0310-BSD1)

Prepared & Analyzed: 09/03/20

Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130	0.529	20	
Toluene	0.0948	0.00100	"	0.100		94.8	70-130	4.87	20	
Ethylbenzene	0.103	0.00100	"	0.100		103	70-130	0.165	20	
Xylene (p/m)	0.203	0.00200	"	0.200		101	70-130	1.71	20	
Xylene (o)	0.101	0.00100	"	0.100		101	70-130	1.89	20	
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.8	75-125			

Calibration Check (P0I0310-CCV1)

Prepared & Analyzed: 09/03/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.0969	0.00100	"	0.100		96.9	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.195	0.00200	"	0.200		97.6	80-120			
Xylene (o)	0.103	0.00100	"	0.100		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.0998		"	0.120		83.2	75-125			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.3	75-125			

Calibration Check (P0I0310-CCV2)

Prepared: 09/03/20 Analyzed: 09/04/20

Benzene	0.0946	0.00100	mg/kg wet	0.100		94.6	80-120			
Toluene	0.0853	0.00100	"	0.100		85.3	80-120			
Ethylbenzene	0.0872	0.00100	"	0.100		87.2	80-120			
Xylene (p/m)	0.175	0.00200	"	0.200		87.5	80-120			
Xylene (o)	0.0892	0.00100	"	0.100		89.2	80-120			
Surrogate: 1,4-Difluorobenzene	0.108		"	0.120		90.1	75-125			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		84.4	75-125			

Permian Basin Environmental Lab, L.P.

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Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P010310 - General Preparation (GC)**Calibration Check (P010310-CCV3)**

Prepared: 09/03/20 Analyzed: 09/04/20

Benzene	0.102	0.00100	mg/kg wet	0.100		102	80-120			
Toluene	0.0923	0.00100	"	0.100		92.3	80-120			
Ethylbenzene	0.0948	0.00100	"	0.100		94.8	80-120			
Xylene (p/m)	0.187	0.00200	"	0.200		93.7	80-120			
Xylene (o)	0.0988	0.00100	"	0.100		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.102		"	0.120		84.6	75-125			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.5	75-125			

Matrix Spike (P010310-MS1)

Source: 0102005-02

Prepared: 09/03/20 Analyzed: 09/04/20

Benzene	0.0987	0.00112	mg/kg dry	0.112	ND	87.8	80-120			
Toluene	0.0876	0.00112	"	0.112	ND	78.0	80-120			QM-05
Ethylbenzene	0.103	0.00112	"	0.112	ND	91.8	80-120			
Xylene (p/m)	0.171	0.00225	"	0.225	ND	76.2	80-120			QM-05
Xylene (o)	0.0831	0.00112	"	0.112	ND	74.0	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	0.117		"	0.135		86.9	75-125			
Surrogate: 1,4-Difluorobenzene	0.126		"	0.135		93.5	75-125			

Matrix Spike Dup (P010310-MSD1)

Source: 0102005-02

Prepared: 09/03/20 Analyzed: 09/04/20

Benzene	0.0987	0.00112	mg/kg dry	0.112	ND	87.8	80-120	0.0342	20	
Toluene	0.0882	0.00112	"	0.112	ND	78.5	80-120	0.728	20	QM-05
Ethylbenzene	0.104	0.00112	"	0.112	ND	92.8	80-120	1.07	20	
Xylene (p/m)	0.171	0.00225	"	0.225	ND	76.2	80-120	0.0591	20	QM-05
Xylene (o)	0.0839	0.00112	"	0.112	ND	74.7	80-120	0.955	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.115		"	0.135		85.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.125		"	0.135		92.8	75-125			

Batch P011002 - General Preparation (GC)**Blank (P011002-BLK1)**

Prepared & Analyzed: 09/10/20

Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.105		"	0.120		87.3	75-125			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		88.0	75-125			

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Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P011002 - General Preparation (GC)**LCS (P011002-BS1)**

Prepared & Analyzed: 09/10/20

Benzene	0.0941	0.00100	mg/kg wet	0.100		94.1	70-130			
Toluene	0.0921	0.00100	"	0.100		92.1	70-130			
Ethylbenzene	0.0985	0.00100	"	0.100		98.5	70-130			
Xylene (p/m)	0.190	0.00200	"	0.200		94.9	70-130			
Xylene (o)	0.104	0.00100	"	0.100		104	70-130			
Surrogate: 1,4-Difluorobenzene	0.106		"	0.120		87.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.8	75-125			

LCS Dup (P011002-BSD1)

Prepared & Analyzed: 09/10/20

Benzene	0.0962	0.00100	mg/kg wet	0.100		96.2	70-130	2.27	20	
Toluene	0.0923	0.00100	"	0.100		92.3	70-130	0.282	20	
Ethylbenzene	0.0981	0.00100	"	0.100		98.1	70-130	0.427	20	
Xylene (p/m)	0.180	0.00200	"	0.200		90.1	70-130	5.21	20	
Xylene (o)	0.100	0.00100	"	0.100		100	70-130	3.57	20	
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.6	75-125			
Surrogate: 4-Bromofluorobenzene	0.100		"	0.120		83.6	75-125			

Calibration Blank (P011002-CCB1)

Prepared & Analyzed: 09/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.500		"							
Ethylbenzene	0.320		"							
Xylene (p/m)	0.580		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	0.104		"	0.120		86.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.0996		"	0.120		83.0	75-125			

Calibration Blank (P011002-CCB2)

Prepared & Analyzed: 09/10/20

Benzene	0.00		mg/kg wet							
Toluene	0.740		"							
Ethylbenzene	0.730		"							
Xylene (p/m)	1.21		"							
Xylene (o)	0.530		"							
Surrogate: 1,4-Difluorobenzene	0.105		"	0.120		87.8	75-125			
Surrogate: 4-Bromofluorobenzene	0.110		"	0.120		91.4	75-125			

Permian Basin Environmental Lab, L.P.

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6101 Holiday Hill Road
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Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

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BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P011002 - General Preparation (GC)

Calibration Check (P011002-CCV1)										
Prepared & Analyzed: 09/10/20										
Benzene	0.0922	0.00100	mg/kg wet	0.100		92.2	80-120			
Toluene	0.0936	0.00100	"	0.100		93.6	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.182	0.00200	"	0.200		91.2	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.2	75-125			
Surrogate: 4-Bromofluorobenzene	0.104		"	0.120		86.8	75-125			

Calibration Check (P011002-CCV2)										
Prepared & Analyzed: 09/10/20										
Benzene	0.0921	0.00100	mg/kg wet	0.100		92.1	80-120			
Toluene	0.0936	0.00100	"	0.100		93.6	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.176	0.00200	"	0.200		88.0	80-120			
Xylene (o)	0.104	0.00100	"	0.100		104	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		88.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.101		"	0.120		83.8	75-125			

Calibration Check (P011002-CCV3)										
Prepared & Analyzed: 09/10/20										
Benzene	0.0941	0.00100	mg/kg wet	0.100		94.1	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.111	0.00100	"	0.100		111	80-120			
Xylene (p/m)	0.189	0.00200	"	0.200		94.6	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 1,4-Difluorobenzene	0.107		"	0.120		89.5	75-125			
Surrogate: 4-Bromofluorobenzene	0.106		"	0.120		88.8	75-125			

Matrix Spike (P011002-MS1)										
Source: 0H28008-01										
Prepared & Analyzed: 09/10/20										
Benzene	0.0775	0.00103	mg/kg dry	0.103	ND	75.2	80-120			QM-05
Toluene	0.0753	0.00103	"	0.103	0.000711	72.3	80-120			QM-05
Ethylbenzene	0.0939	0.00103	"	0.103	ND	91.1	80-120			
Xylene (p/m)	0.142	0.00206	"	0.206	ND	68.9	80-120			QM-05
Xylene (o)	0.0763	0.00103	"	0.103	ND	74.0	80-120			QM-05
Surrogate: 1,4-Difluorobenzene	0.111		"	0.124		89.9	75-125			
Surrogate: 4-Bromofluorobenzene	0.108		"	0.124		86.9	75-125			

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Fasken Oil & Ranch, Ltd.
 6101 Holiday Hill Road
 Midland TX, 79707

Project: Gossett Battery
 Project Number: [none]
 Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

BTEX by 8021B - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P011002 - General Preparation (GC)

Matrix Spike Dup (P011002-MSD1)

Source: 0H28008-01

Prepared & Analyzed: 09/10/20

Benzene	0.0843	0.00103	mg/kg dry	0.103	ND	81.8	80-120	8.41	20	
Toluene	0.0904	0.00103	"	0.103	0.000711	87.0	80-120	18.4	20	
Ethylbenzene	0.113	0.00103	"	0.103	ND	110	80-120	18.7	20	
Xylene (p/m)	0.169	0.00206	"	0.206	ND	82.1	80-120	17.4	20	
Xylene (o)	0.0938	0.00103	"	0.103	ND	90.9	80-120	20.5	20	QM-05
Surrogate: 4-Bromofluorobenzene	0.111		"	0.124		90.1	75-125			
Surrogate: 1,4-Difluorobenzene	0.113		"	0.124		91.0	75-125			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H3103 - *** DEFAULT PREP ***										
Blank (P0H3103-BLK1) Prepared & Analyzed: 08/31/20										
% Moisture	ND	0.1	%							
Blank (P0H3103-BLK2) Prepared & Analyzed: 08/31/20										
% Moisture	ND	0.1	%							
Duplicate (P0H3103-DUP1) Source: 0H28004-01 Prepared & Analyzed: 08/31/20										
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P0H3103-DUP2) Source: 0H28007-04 Prepared & Analyzed: 08/31/20										
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P0H3103-DUP3) Source: 0H28008-15 Prepared & Analyzed: 08/31/20										
% Moisture	ND	0.1	%		ND				20	
Batch P0I0311 - *** DEFAULT PREP ***										
Blank (P0I0311-BLK1) Prepared: 09/03/20 Analyzed: 09/04/20										
Chloride	ND	1.00	mg/kg wet							
LCS (P0I0311-BS1) Prepared: 09/03/20 Analyzed: 09/04/20										
Chloride	406	1.00	mg/kg wet	400		101	80-120			
LCS Dup (P0I0311-BSD1) Prepared: 09/03/20 Analyzed: 09/04/20										
Chloride	400	1.00	mg/kg wet	400		99.9	80-120	1.57	20	
Calibration Blank (P0I0311-CCB1) Prepared: 09/03/20 Analyzed: 09/04/20										
Chloride	0.00		mg/kg wet							

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General Chemistry Parameters by EPA / Standard Methods - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P010311 - *** DEFAULT PREP ***										
Calibration Blank (P010311-CCB2)										
Chloride	0.00		mg/kg wet							Prepared: 09/03/20 Analyzed: 09/04/20
Calibration Check (P010311-CCV1)										
Chloride	19.2		mg/kg	20.0		95.9	0-200			Prepared: 09/03/20 Analyzed: 09/04/20
Calibration Check (P010311-CCV2)										
Chloride	19.8		mg/kg	20.0		98.8	0-200			Prepared: 09/03/20 Analyzed: 09/04/20
Calibration Check (P010311-CCV3)										
Chloride	19.6		mg/kg	20.0		98.2	0-200			Prepared: 09/03/20 Analyzed: 09/04/20
Matrix Spike (P010311-MS1)										
Chloride	10200	28.1	mg/kg dry	2810	6940	116	80-120			Source: 0H28007-03 Prepared: 09/03/20 Analyzed: 09/04/20
Matrix Spike (P010311-MS2)										
Chloride	621	1.00	mg/kg dry	500	159	92.4	80-120			Source: 0H28008-09 Prepared: 09/03/20 Analyzed: 09/07/20
Matrix Spike Dup (P010311-MSD1)										
Chloride	9930	28.1	mg/kg dry	2810	6940	107	80-120	2.58	20	Source: 0H28007-03 Prepared: 09/03/20 Analyzed: 09/04/20
Matrix Spike Dup (P010311-MSD2)										
Chloride	650	1.00	mg/kg dry	500	159	98.2	80-120	4.63	20	Source: 0H28008-09 Prepared: 09/03/20 Analyzed: 09/07/20

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Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P0H2808 - TX 1005										
Blank (P0H2808-BLK1)										
Prepared & Analyzed: 08/28/20										
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	96.4		"	100		96.4	70-130			
Surrogate: o-Terphenyl	52.5		"	50.0		105	70-130			
LCS (P0H2808-BS1)										
Prepared & Analyzed: 08/28/20										
C6-C12	879	25.0	mg/kg wet	1000		87.9	75-125			
>C12-C28	942	25.0	"	1000		94.2	75-125			
Surrogate: 1-Chlorooctane	106		"	100		106	70-130			
Surrogate: o-Terphenyl	51.8		"	50.0		104	70-130			
LCS Dup (P0H2808-BSD1)										
Prepared & Analyzed: 08/28/20										
C6-C12	883	25.0	mg/kg wet	1000		88.3	75-125	0.464	20	
>C12-C28	955	25.0	"	1000		95.5	75-125	1.43	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	53.3		"	50.0		107	70-130			
Calibration Check (P0H2808-CCV1)										
Prepared & Analyzed: 08/28/20										
C6-C12	444	25.0	mg/kg wet	500		88.9	85-115			
>C12-C28	444	25.0	"	500		88.8	85-115			
Surrogate: 1-Chlorooctane	99.1		"	100		99.1	70-130			
Surrogate: o-Terphenyl	49.9		"	50.0		99.9	70-130			
Calibration Check (P0H2808-CCV2)										
Prepared: 08/28/20 Analyzed: 08/29/20										
C6-C12	504	25.0	mg/kg wet	500		101	85-115			
>C12-C28	494	25.0	"	500		98.8	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	55.6		"	50.0		111	70-130			

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch P0H2808 - TX 1005**Calibration Check (P0H2808-CCV3)**

Prepared: 08/28/20 Analyzed: 08/29/20

C6-C12	496	25.0	mg/kg wet	500		99.1	85-115			
>C12-C28	495	25.0	"	500		99.0	85-115			
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	55.4		"	50.0		111	70-130			

Matrix Spike (P0H2808-MS1)

Source: 0H28006-04

Prepared: 08/28/20 Analyzed: 08/29/20

C6-C12	945	25.5	mg/kg dry	1020	17.8	90.9	75-125			
>C12-C28	1010	25.5	"	1020	ND	99.3	75-125			
Surrogate: 1-Chlorooctane	110		"	102		107	70-130			
Surrogate: o-Terphenyl	52.4		"	51.0		103	70-130			

Matrix Spike Dup (P0H2808-MSD1)

Source: 0H28006-04

Prepared: 08/28/20 Analyzed: 08/29/20

C6-C12	953	25.5	mg/kg dry	1020	17.8	91.6	75-125	0.803	20	
>C12-C28	1000	25.5	"	1020	ND	98.1	75-125	1.20	20	
Surrogate: 1-Chlorooctane	110		"	102		108	70-130			
Surrogate: o-Terphenyl	52.9		"	51.0		104	70-130			

Batch P0I1003 - TX 1005**Blank (P0I1003-BLK1)**

Prepared & Analyzed: 09/10/20

C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	111		"	100		111	70-130			
Surrogate: o-Terphenyl	60.8		"	50.0		122	70-130			

LCS (P0I1003-BS1)

Prepared & Analyzed: 09/10/20

C6-C12	1020	25.0	mg/kg wet	1000		102	75-125			
>C12-C28	1070	25.0	"	1000		107	75-125			
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	61.0		"	50.0		122	70-130			

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control
Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P011003 - TX 1005										
LCS Dup (P011003-BSD1)										
				Prepared & Analyzed: 09/10/20						
C6-C12	1020	25.0	mg/kg wet	1000		102	75-125	0.361	20	
>C12-C28	1060	25.0	"	1000		106	75-125	0.782	20	
Surrogate: 1-Chlorooctane	113		"	100		113	70-130			
Surrogate: o-Terphenyl	60.2		"	50.0		120	70-130			
Calibration Check (P011003-CCV1)										
				Prepared & Analyzed: 09/10/20						
C6-C12	515	25.0	mg/kg wet	500		103	85-115			
>C12-C28	515	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	59.1		"	50.0		118	70-130			
Matrix Spike (P011003-MS1)										
		Source: 0H28008-07		Prepared & Analyzed: 09/10/20						
C6-C12	1010	25.8	mg/kg dry	1030	17.6	96.6	75-125			
>C12-C28	1080	25.8	"	1030	134	91.6	75-125			
Surrogate: 1-Chlorooctane	118		"	103		115	70-130			
Surrogate: o-Terphenyl	57.0		"	51.5		111	70-130			
Matrix Spike Dup (P011003-MSD1)										
		Source: 0H28008-07		Prepared & Analyzed: 09/10/20						
C6-C12	1030	25.8	mg/kg dry	1030	17.6	98.4	75-125	1.88	20	
>C12-C28	1090	25.8	"	1030	134	92.7	75-125	1.25	20	
Surrogate: 1-Chlorooctane	122		"	103		118	70-130			
Surrogate: o-Terphenyl	57.8		"	51.5		112	70-130			

Fasken Oil & Ranch, Ltd.
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Project: Gossett Battery
Project Number: [none]
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Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date: 9/11/2020

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

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1400 Rankin HWY Midland, TX 79701 432-686-7235

Fasken Oil & Ranch, Ltd.
6101 Holiday Hill Road
Midland TX, 79707

Project: Gossett Battery
Project Number: [none]
Project Manager: Aaron Pachlhofer

Fax: 43-687-1570



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Permian Basin Environmental Lab, LP
1400 Rankin HWY
Midland, Texas 79701

Phone: 432-696-7235

2 of 2

Project Manager:

Company Name:

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Project Name:

Project #:

Project Loc:

PO #:

Report Format

Standard TRRP NPDES

e-mail:

[Signature]

ORDER #: 01A28008

LAB # (Lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers	Matrix	Analyze For:
	11	DEL-4		8/24/20	12:42				S	TPH: TX 1D05 TX 1D06 Anions (Cl, SO4, Alkalinity) BTEX 8021B/503D or BTEX 6260
	12	DEL-5			12:58				S	XXX
	13	DEL-6			13:09				S	XXX
	14	DEL-7			13:25				S	XXX
	15	DEL-8			13:38				S	XXX

Special Instructions:

Relinquished by: *Aaron Paul Hator* Date: 8/28/20 Time: 14:20 Received by: *[Signature]* Date: 8/28/20 Time: 14:20

Relinquished by: *[Signature]* Date: *[Blank]* Time: *[Blank]* Received by: *[Signature]* Date: *[Blank]* Time: *[Blank]*

Relinquished by: *[Signature]* Date: *[Blank]* Time: *[Blank]* Received by: *[Signature]* Date: *[Blank]* Time: *[Blank]*

Laboratory Comments:
Sample Containers sealed?
VOCs free of headspace?
Airtight (no splatters)?
Custody seals on containers?
Outlets sealed on splitter?
Sample Hand Delivered
by Sampler/Client Rep.?
by Carrier? (PS) DHL FedEx
Temperature Upon Receipt: *43* °C
Adjusted: *519* °C Factor: *CF1 12*

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 10715

CONDITIONS OF APPROVAL

Operator: FASKEN OIL & RANCH LTD Road Midland, TX79707	6101 Holiday Hill	OGRID: 151416	Action Number: 10715	Action Type: C-141
OCD Reviewer ceads		Condition None		