Received by OCD: 9/13/2022 11:03:36 AM

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Form C-141

State of New Mexico Oil Conservation Division

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Incident ID	NAPP2224457572
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes ⊠ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver	
contamination associated with the release have been determined. Refer to 19 15 29 11 NMAC for specifics	

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

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

Received by OCD: 9/13/2022 11:03:36 AM
Form C-141 State of New Mexico

Jocelyn Harimon

Received by:

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Form C-141 Stat
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Oil Conservation Division

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Incident ID	NAPP2224457572
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09/13/2022

Date:

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: NATALIE GLADDEN Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY

Signature: Date: 9-12-27

email: __natalie@energystaffingllc.com Telephone: __575-390-6397

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State of New Mexico Oil Conservation Division

Incident ID	NAPP2224457572
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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.
 Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Natalie Gladden
OCD Only
Received by: Jocelyn Harimon Date;09/13/2022
Approved
Signature: Nelson Velez Date: 06/28/2023

PITTS ENERGY

REMEDIATION PLAN NEW MEXICO FEDERAL 54 #054

API NO. 30-041-20267 COMPLIANCE KEY# CEZB223557036 INCIDENT NO. NAPP2224457572

LEGALS: UNIT LETTER J, SECTION 27, TOWNSHIP 08S, RANGE 36E
DATE OF RELEASE: UNKNOWN

PREPARED BY:



September 1, 2022

New Mexico Energy, Minerals and Natural Resources NMOCD District II C/O Mike Bratcher, Robert Hamlet, Jennifer Nobui 811 S. First Street Artesia, NM 88210

NM Energy, Minerals, Natural Resources Department Oil Conservation Division District I – NM South 1625 N. French Drive Hobbs, NM 88240

Bureau of Land Management C/O Jim Amos 620 E. Green Street Carlsbad, NM 88220

Pitts Energy C/O Zach Pitts 3313 Caldera Blvd Midland, TX 79707

Subject: Remediation Workplan Request for Pitts Energy – New Mexico Federal 54 #054

API No. 30-041-20267 Incident No. NAPP2224457572 Unit Letter J, Section 27, Township 08S, Range 36E Roosevelt County, New Mexico

To Whom it May Concern:

Pitts Energy retained Energy Staffing Services, LLC (ESS) to conduct a sampling event for the New Mexico Federal 54 #054 (hereafter referred to as the "Federal 54") due to routine well inspection conducted by Eugene Bolton, Compliance Office for the NM Energy, Minerals, Natural Resources Department for the New Mexico Oil and Gas Conservation Division I (NMOCD). This well inspection was conducted sometime around February 4th, 2022. On June 15th, ESS was contacted to conduct an environmental investigation on the above-mentioned site.

On September 1^{st,} the initial spill notification was sent by ESS and is attached to this report. The initial C141 was submitted and approved by the OCD. The initial C141 was also emailed to the BLM on same said date. The OCD assigned the Incident Number of NAPP2224457572 to this release detailed herein. Please find the notification to the OCD and BLM along with the Initial C141 attached to this report.

This report provides a detailed description of the site assessment, delineation and proposed remedial work plan, which demonstrates that the closure criteria has been established in the 19.15.29.12 *New Mexico Administrative Code (NMAC: New Mexico Oil Conservation Division, 2018)* have been met and all applicable regulations have been followed. This document is intended to serve as the final report to obtain approval from the NMOCD and BLM for the remediation plan of the above-mentioned release.

Incident and Inspection Description

On February 4th of 2022, an email was received from Eugene Bolton of the NMOCD concerning the following issues found at the site during an onsite inspection:

From routine well inspections conducted for operators in New Mexico, the following compliances are viewed in the Compliance Key # in the operator Well Details.

Regardless of inspection date, the 90-day due date is established from the date of this email. Please ensure each field agent receives all details for each compliance.

Helpful Reminder: Current operator contact information is updated via the operator's account login, within 30 days of each change.

Compliance Key #:

cEZB223557036 [30-041-20267] - NEW MEXICO FED 54 #054

- 19.15.29 Releases: TB Releases, tub ring inside berm with breached liner, moderate stain at load line port.
- 19.15.16.8 Sign on Wells: Include API # 30-041-20267.

For 19.15.29 Releases shown above:

Notice of Release (NOR) and Form C-141 are required for an aggregate site release threshold of 5 barrels fluid (1.04 cubic yard fluid), or 12 cu yards soil (avg. dump truck load).

Process:

- Repair / replace leak source/s.
- Operator is responsible for all costs if opting to submit a complete soil sample site characterization, that may or may not preclude an excavation.

If all onsite and offsite locations are at or below the Table I criteria in 19.15.29.12.E(2) NMAC, a complete site characterization with exact soil sampling locations and concentrations, can be submitted to this email thread for review.

Remediation:

- Remove all soil mix areas to extent of horizontal and vertical contamination, both on & (if) off of site.
- Properly dispose all materials, per rule.
- Upon excavation up to 2-foot depth, please stop work, do not cover contamination.

- Following an approved method listed in 19.15.29.11.A(5)(b) NMAC, submit soil sample concentrations and exact locations within each excavation, verifying all contamination levels are below thresholds.
- In the scaled site and sampling diagram, include the location and three photo angles of each exposed excavation, shovel included in images for perspective.
- For receiving the next process to continue, return images and concurring soil sample levels on this email thread.

Site Characterization

The environmental issues found at the Federal 54, occurred on private surface and BLM minerals. The site is located at latitude 33.593865 and longitude of -103.243543. The wrong GPS was filed on the C141, GPS used was for the well pad for the Federal 54 #54 and not for the tank battery. Please use the corrected GPS on further documentation, corrected C141 will be filed with this remediation plan. This location is found 13.02 miles southwest of Bledsoe, Texas. Please see the site map attached.

The Federal 54 consists of oil and gas production leases and cattle grazing land. The release was found on the production facility pad. Elevation of this site is at 4,089ft. The *United States Department of Agriculture Natural Resources Conservation Service,* indicates that the soil type found at the Federal 54, consists of 100% Jalmar, Amarose and Vestwells soils with a 1 to 3 percent slope. Please find the Soil Map attached.

This area historically, has been primarily dominated by little bluestem, sand bluestem, sideoats grama, Harvard Oak and miscellaneous perennial grasses. Please find the attached *Rangeland and Vegetation Classification* information attached. In the area of the Federal 54, the *FEMA National Flood Hazard Layer* indicates that there is a 2% annual chance of a flood hazard in this area (see map attached).

There is "no potential" for Karst Geology to be present near the Federal 54 site, according to the *United States Department of the Interior, Bureau of Land Management*. Please find the Karst Map attached herein.

There is no surface water located near or around the Federal 54 release area. This site is not near a continuously flowing watercourse and/or lakebed within ½ a mile from the release. No other critical or community features at the Federal 54 were found. (Attached Watercourse Map.)

The nearest and most recent water well to the site according to the *New Mexico Office of the State Engineer is L 13754 POD1*, the well was drilled in 2014 with a groundwater depth logged at 216'bgs and is found 4,540 yards from the site. *L 00176 POD1*, was drilled 2008 with no groundwater data available and is located 2,556 yards from the site. *L 12577 POD1*, was drilled in 2010 with no groundwater data available and is located 4,576 yards from the site. An extended groundwater search was conducted using the *OSE POD Location Mapping System* and it has been determined that, no well exists within ½ a mile radius of the Federal 54 release. Please find the NMOSE, OSE POD and groundwater map attached to this report.

Closure Criteria Determination

The Closure Criteria for Soils impacted by a Release is shown in the below chart. With no groundwater data available within a ½ a mile radius from the release point, being on Private Surface and Federal Minerals, the site fell under <50' to groundwater. The site has no record of Karst Geology therefore it is not a determining factor in this case.

DGW	Constituent	Method	Limit
≤ 50'	Chloride	EPA 300.0 OR SM4500 CLB	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 METHOD 8015M	100 mg/kg
	GRO + DRO	EPA SW-846 METHOD 8015M	50 mg/kg
	BTEX	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg
	Benzene	EPA SW-846 METHOD 8021B OR 8260B	10 mg/kg

Soil Remediation Action Levels

ESS has provided sufficient data that this release has impacted soil at the Federal 54 release site and that the protocol is consistent with the remediation/abatement goals and objectives set forth in the NMOCD Closure Criteria for Soils Impacted by a Release, dated August 14, 2018. This document provided direction for Pitts Energy initial response actions, site assessment and delineation efforts conducted by ESS Staff. ESS would like to present to you the following information concerning the delineation process for the release detailed herein.

Soil Sampling Procedures

Soil sampling for laboratory analysis was conducted according to the NMOCD – approved industry standards. Accepted NMOCD soil sampling procedures and laboratory analytical methods are as follows:

- Collect clean samples in airtight glass jars supplied by the laboratory to conduct the analysis
- Each sample jar was labelled with site and sample information
- Samples were kept in and stored in a cool place and packed on ice
- Promptly ship sample to the lab for analysis following the chain of custody procedures

The following lab analysis method was used for each bottom hole (vertical) and sidewall sample (horizontal) was submitted to Envirotech Analytical Laboratory:

Volatile Organics by EPA 8021B

- Benzene, Toluene, Ethylbenzene, p.m. Xylene, o-Xylene and Total Xylenes
 Nonhalogenated Organics by EPA 8015D GRO
 - Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D – DRO/ORO

- Diesel Range Organics (C10-C28)
- Oil Range Organics (C28-C40)

Anions by EPA 300.0/9056A

Chloride

Release Investigation Data Evaluation

On June 15th of 2022, ESS staff was dispatched out to the Federal 54 site, to complete a full site assessment of the release. Initial site photos were obtained, impact area was measured and mapped; the following information was observed:

- The release looked historical in nature and the only standing fluid that was visible, was found under the liner. Roustabout crews had been excavating around the tank base when crews arrived.
- It was determined that the tank had corrosion issues and would need to be replaced.

 Roustabout crews were pulled off as delineation of the impacted area was needed to determine the extent of the contamination.
- The surface impact measured as follows:
 - o Facility Containment 3,770 sq. ft.
 - Separator Containment 1,277 sq. ft.

Please see the initial photos and the initial impact map of the release attached to this report.

On June 21st of 2022, ESS crews began the delineation process. The delineation of the site began by use of hand-auger, until it was determined that the release discovered at the Federal 54 had been leaking for some time. The delineation was divided out into two separate areas: classified as the Battery and the Separator Area. For the Battery Area, nine vertical and eight horizontal sample points were set, GPS'd and mapped. For the Separator Area, nine vertical and seven horizontal sample points were set, GPS'd and mapped. The surface samples were obtained, field analyzed and sent to Environmental Laboratory for confirmation. At the battery, sample label SP2 surface was previously excavated by roustabout crew down to 2'bgs, therefore the first sample obtained at 2' was sent in for lab analysis and used as the surface sample. SP6 at the Battery was also previously excavated to about 2" from surface, but the surface is labelled surface in this instance. As you can see in the battery delineation sample log below, TPH was the main focus as some of the sample points had elevated chloride levels as well. The depth of the contamination at the battery portion of the impacted area, ranged from 8' to 44'bgs. Attached you will find the sample data, lab analysis and delineation map, below you will find the sample data log of the battery area:

BATTERY DELINEATION SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL
SP1	SURF	3600	L	ND	ND	ND	ND	ND	3520
	2	240	Н						
	4	100	Н	ND	ND	222	180	402	104
	5	20	Н	ND	ND	40.9	58.3	99.2	ND
	6	80	Н						
	8	80	Н						
	10	160	Н	ND	ND	305	ND	305	149

	12	80	L_						
	14	20	L	ND	ND	ND	ND	ND	ND
									Typ,
SP2	2	400	Н	0.154	ND	3790	1140	4930	363
	4	960	Н						
	5	180	L	ND	ND	ND	ND	ND	152
	6	880	Н						
	8	640	Н						
	10	140	L	ND	ND	ND	ND	ND	128
	12	1440	Н						
	14	1920	Н						
	15	800	Н	ND	ND	242	75	317	775
	16	1360	Н						
	18	720	L						
	20	3080	L	ND	ND	60.3	ND	60.3	3430
	22	1040	Н						
	24	2720	Н						
	26	4800	L	ND	ND	ND	ND	ND	4660
	28	1960	L						
	30	3360	L	ND	ND	ND	ND	ND	3490
	32	1120	L						
	34	1120	L						
	35	800	Н	ND	ND	190	117	307	867
	38	400	н	ND	ND	116	ND	116	355
	40	400	L						
	42	400	L	ND	ND	ND	ND	ND	346
1									
SP3	SURF	80	Н	ND	ND	88.4	64.9	153.3	50.1
	1	80	Н						
	2	80	Н	ND	ND	182	177	359	21.9
	4	840	Н						
	5	180	L	ND	ND	31.3	ND	31.3	ND
	6	160	Н						
	8	160	Н						
	10	240	н	27.2	223	8130	2090	10443	207
	12	240	Н						
	14	880	Н						
	16	560	н	18.1	ND	7860	1570	9430	591
	18	720	Н						
	20	640	Н	16.8	ND	8710	1780	10490	720
	22	320	Н						
	24	480	Н						

	26	320	Н	6.67	ND	7450	1420	8870	542
	28	400	н						
	30	320	Н	8.14	ND	3400	730	4130	270
	32	320	Н						
	34	320	Н						
	36	200	Н	11	156	5100	ND	5256	159
	38	300	Н						
	40	220	н	ND	ND	484	146	630	115
	42	200	L						
	44	100	L	ND	ND	ND	ND	ND b	ND
SP4	SURF	80	Н	9.53	229	16700	5910	22839	53.3
	2	160	Н						
	4	1000	Н				N		
	6	860	Н						
	8	1540	Н						
	10	200	L	ND	ND	34.7	ND	34.7	117
	12	800	Н						
	14	200	Н	ND	ND	2080	913	2993	128
	16	560	L						
	18	516	L	ND	ND	ND	ND	ND	516
SP5	SURF	400	Н	ND	ND	64.7	77.5	142.2	249
	2	1280	Н						
	4	640	Н						
	5	100	Н	0.423	ND	3110	1060	4170	70
	6	1880	Н						
	8	2000	Н						
	10	0.00							ND
	10	960	L	ND	ND	35.5	ND	35.5	NU
	12	1880	L	ND	ND	35.5	ND	35.5	NU
			1	ND	ND	35.5	ND	35.5	ND
	12	1880	L	ND ND	ND ND	35.5 83.7	ND ND	35.5 83.7	
	12 14	1880 1280	L H						
	12 14 15	1880 1280 600	L H L						
	12 14 15 16	1880 1280 600 1680	L H L						526
	12 14 15 16 18	1880 1280 600 1680 1480	H L H	ND	ND	83.7	ND	83.7	526
	12 14 15 16 18 20	1880 1280 600 1680 1480 100	L H L H	ND	ND	83.7	ND	83.7	526
	12 14 15 16 18 20 22	1880 1280 600 1680 1480 100	L H L H H	ND	ND	83.7	ND	83.7	526
	12 14 15 16 18 20 22 24	1880 1280 600 1680 1480 100 1000	L H L H H L	ND	ND	83.7	ND	83.7	526
	12 14 15 16 18 20 22 24 26	1880 1280 600 1680 1480 100 1000 1240 1000	L H L H H L H	ND	ND	83.7	ND	83.7	526
	12 14 15 16 18 20 22 24 26 28	1880 1280 600 1680 1480 100 1000 1240 1000 1280	L H H H L H H	ND	ND	83.7	ND	83.7	526

	36	200	Н	ND	ND	484	146	630	115
	38	400	L		1				
	40	360	L	ND	ND	ND	ND	ND	353
SP6	SURF	>4000	1 1	20.0	401	8410	2070	40074	4650
310	4	>4000 480	H	38.8	491	8410	2070	10971	4650
	5	60	Н	ND	ND	1210	F02	1002	40
	6		H	ND	ND	1310	583	1893	49
	8	560 640	Н						-
	10	800	Н	9.17	129	6570	1540	8239	452
	12	1280	Н	5.17	123	0370	1340	0233	452
	14	2240	Н						1
	15	60	Н	16.4	138	7610	1740	9488	59.9
	16	4000	Н	10.4	130	7010	1740	3400	33.3
	18	3360	Н				-		
	20	3280	Н	10.8	ND	4760	910	5670	2240
	22	2960	Н	70.0	112		320	30.0	
	24	1760	Н						
	26	2400	Н	3.34	ND	2500	509	3009	1440
	28	2800	Н						
	30	2560	Н	0.479	ND	2030	510	2540	3680
	32	1680	Н						
	34	3280	Н	0.175	ND	1710	478	2188	4060
	36	1200	Н						
	38	880	Н						
	39	480	L						
	40	480	L	ND	ND	ND	ND	ND	200
	THE	78 (589)					ADS-		
SP7	SURF	4080	Н	ND	ND	1200	1280	2480	3710
	2	1560	Н						
	4	1520	Н						
	6	160	L						
	8	80	М	ND	ND	ND	ND	ND	59.3
	10	600	L						
	12	640	L						
	14	620	L						
	16	210	L						
	18	100	L	ND	ND	ND	ND	ND	107
SP8	SURF	400	н	0.169	ND	985	664	1649	344
5, 0	2	320	Н	0.103	140	555	301		311
-	4	240	Н						

	6	160	Н						
	8	160	Н						
	10	160	Н						
	12	320	Н						
	14	520	L						
	16	480	L	ND	ND	ND	ND	ND	506
				- 4					
SP9	SURF	200	Н	ND	ND	493	625	1118	213
	2	400	Н						
	4	480	Н						
	6	720	Н						
	8	800	Н						
	10	720	Н						
	12	1000	Н						
	14	2000	Н						
	16	1600	Н						
	17	520	L						
	18	320	L	ND	ND	ND	ND	ND	318
	ETVANI	11-3/10				The state of the s			
SW1	SURF	800	Н	ND	ND	498	274	772	766
	1'	760	Н						
	2'	640	Н						-
	3'	600	L					Jul 1	
	4'	540	L	ND	ND	ND	ND	ND	550
			124						
SW2	SURF	1200	Н	ND	ND	395	221	616	1090
	1'	1000	Н						
	2'	880	Н						
5	3'	600	L						
	4'	600	L	ND	ND	ND	ND	ND	618
SW3	SURF	1200	Н	ND	ND	430	238	668	997
	1'	1060	Н						
	2'	840	Н						
	3'	420	L						
	4'	300	L	ND	ND	ND	ND	ND	286
			- 1	MIT		-		1 200	1
SW4	SURF	1100	Н	ND	ND	437	236	673	1030
	1'	800	L						
	2'	640	L						
	3'	480	L						
	4'	280	L	ND	ND	ND	ND	ND	288

SW5	SURF	1000	Н	ND	ND	683	376	1059	937
	1'	940	Н						
	2'	720	L						
	3'	540	L						
	4'	400	L	ND	ND	ND	ND	ND	383
7 . 65% 0		a jugarak	anie sessa					Kamalan A	
SW6	SURF	800	н	ND	ND	512	308	820	757
	1"	1000	Н						
	2'	620	Н						
	3'	500	L						
	4'	400	L	ND	ND	ND	ND	ND	398
		THE RESERVE OF THE PERSON NAMED IN							
SW7	SURF	946	Н	ND	ND	872	503	1375	946
	1'	1200	Н						
	2'	860	L						
	3'	540	L						
	4'	400	L	ND	ND	ND	ND	ND	407
				esancenia di la				v de la compa	الكيدة وا
SW8	SURF	1600	Н	ND	ND	393	288	681	1440
	1'	1180	Н						
	2'	760	L						
	3'	500	L						
	4'	400	L	ND	ND	ND	ND	ND	400

The Separator Area was delineated by use of a track-hoe and hand-auger due to lines and production equipment in the area. It is also unknown as to what leaked in this area as there was no active leak. Again, the concentrations of the TPH, BTEX and Chlorides were elevated in this area. Due to the constant fluctuations in the sample data, this area had also been leaking for some time. The depths of contamination ranged from 4' to 44'bgs. During the remediation process, SP6 will need to be further delineated past 18'bgs due to chloride levels coming in at 613 mg/kg with only 13 mg/kg over the site levels with lab confirmation. SP9 will need to be further delineated past 4'bgs as chloride levels were lab confirmed at 684 mg/kg, with 84 mg/kg over the site closure levels. Sidewall sample points 1, 2,5 and 7 will need to be further delineated during the remediation process when excavation begins to further investigate the extent of contamination. Please see the sample log, lab analysis, sample map attached herein as well as the sample log below for the Separator Area:

SEPARTOR AREA DELINEATION SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHI
SP1	SURF	40	Н	30.9	446	20800	4460	25706	ND
	1	160	Н						
	2	80	Н						
	3	80	Н						
	4	80	Н						
	5	80	Н	ND	ND	1440	ND	1440	56.6
	6	240	Н						
	8	320	Н						
	10	160	Н	ND	ND	1730	542	2272	ND
	12	400	н						
	14	1080	Н						
	16	1310	Н	3.85	54.9	5500	622	6176.9	1250
	18	1100	Н						
	20	640	Н	0.0582	ND	349	234	583	620
	22	480	Н						
	24	640	Н	ND	ND	54.9	90	144.9	625
	26	400	Н						
	28	320	Н	ND	ND	438	248	686	280
	30	300	L						
	32	140	L	ND	ND	ND	ND	ND	119
-				FINE					
SP2	SURF	1400	Н	126	1320	37200	7940	46460	1420
	2	1160	Н						
	4	160	н						
	5	100	Н	ND	ND	1050	356	1406	81.1
	6	240	н						
	8	1320	Н						
	10	1000	Н	ND	ND	4120	1150	5270	961
	12	1240	н						
	14	320	н						
	16	300	н	ND	ND	793	234	1027	301
	18	720	Н						
	20	1600	Н	0.074	ND	930	184	1114	1560
	22	1120	Н						
	24	560	Н						
		+		ND	ND	81.1	ND	81.1	577
	26	560	н н	1417					
	26 28	560 400	H L	ND	ND	01.1	1,12		

SP3	SURF	1560	Н	1.45	26.2	10800	6010	16836.2	1500
	2	800	Н						
	4	400	Н						
	6	400	Н	ND	ND	ND	ND	ND	472
SP4	SURF	80	Н	2.26	ND	25700	7620	33320	ND
	2	160	Н						
	4	160	Н						
	5	300	Н	ND	ND	2350	977	3327	229
	6	400	Н						
	8	560	Н						
	10	300	Н	ND	ND	596	147	743	291
	12	240	Н						
	14	240	Н				15		
	16	240	Н	ND	ND	299	62	361	262
	18	240	Н						
	20	800	L	ND	ND	55.7	ND	55.7	822
	22	800	L	ND	ND	27.9	ND	27.9	803
	24	400	L						
	26	140	L	ND	ND	ND	ND	ND	144
SP5	SURF	3360	Н	ND	ND	1200	1280	2480	3710
	2	1120	Н		.,,,,				
	4	1180	Н						
	5	400	Н	ND	ND	ND	ND	ND	354
	6	560	Н	110	No	110	110	.,,,,	
	8	800	Н						
	10	200	Н	ND	ND	ND	ND	ND	207
	12	1220	Н		.,,,,				
	14	800	Н						
	16	1000	Н						
	18	640	Н						
	20	1200	Н						
	22	880	Н				1		
	24	1600	Н						
	26	1840	L	ND	ND	ND	ND	ND	1780
	28	1600	Н						
	30	1800	Н	ND	ND	92.5	ND	92.5	1720
	32	1600	Н	.,,5					
	34	400	Н						
	36	220	Н	ND	ND	228	116	344	196
	30			.10	1,15				

	40	300	Н	ND	ND	429	237	666	276
	42	460	L						
	44	400	L	ND	ND	ND	ND	ND	414
				X					
SP6	SURF	400	Н	0.169	ND	985	664	1649	344
	2	1040	Н						
	4	1800	Н						
	6	1280	Н	7					
	8	640	Н						
	10	560	Н						
	12	560	Н	ND	ND	467	282	749	583
	14	680	L						
	16	640	L						
	18	600	L	ND	ND	ND	ND	ND	613
SP7	SURF	320	Н						
	2	160	Н						
	4	60	Н	ND	ND	103	91.6	194.6	58.5
	6	1000	Н						
	8	1000	Н						
	10	920	Н	ND	ND	ND	ND	ND	895
	12	1000	L						
- i	14	820	L)31				
	16	440	L						
	18	100	L	ND	ND	ND	ND	ND	107
						10		35	
SP8	SURF	600	н	1.26	29.1	5040	1340	6409.1	497
	2	720	н						
	4	720	Н						
	6	640	Н						
	8	800	Н						
	10	960	Н						
	12	1280	Н						
	14	1360	Н						
	16	1120	Н						
	18	2080	Н						
	20	1520	Н						
	22	1520	Н						
	24	720	Н						
	26	720	Н			18			
	28	880	Н						
		560	Н		-				

	32	560	H						
	34	540	Н	ND	ND	ND	ND	ND	537
				esso libraria		March State	Mark Constitution		
SP9	SURF	300	Н	1.39	32.1	3600	746	4378.1	251
	1'	1200	Н						
	2'	1020	Н						
	3'	600	Н						
	4'	600	Н	ND	ND	ND	ND	ND	684
			Rawiii						
SW1	SURF	60	Н	ND	ND	172	112	284	64.1
	1	80	Н						
	2	60	н	ND	ND	194	131	325	64.9
	3	60	Н						0 113
	4	60	Н	ND	ND	907	1010	1917	51.4
				Charles William		Sea Delvi		SST MINE	
SW2	SURF	20	Н	ND	ND	171	185	356	25.5
JVL	1	20	Н	110	110	-/-	103	330	25.5
	2	ND	н	ND	ND	50	69.3	119.3	ND
	3	60	Н	ND	IVU	30	05.5	115.5	ND
	4	60	Н	ND	ND	1020	1450	2470	53.4
		00	4 100	IND	IND	1020	1430	2470	33.4
SW3	SURF	160	н	ND	ND	132	156	288	174
3003		80		ND	IND	132	130	200	1/4
	1		H	NID	ND	45	57.3	102.2	NID
	2	20	H	ND	ND	45	57.2	102.2	ND
	3	400	L				N.D.	AUD.	256
	4	340	L	ND	ND	ND	ND	ND	356
		AND STREET					A DIONE		
SW4	SURF	320	H	ND	ND	290	321	611	312
	1	520	H						
	2	400	Н	ND	ND	136	133	269	422
	3	480	L						
	4	480	L	ND	ND	ND	ND	ND	484
					or specific		Control St.		
SW5	SURF	2000	Н	ND	ND	205	117	322	1800
	11	560	Н						
	2	560	H	ND	ND	85.8	ND	85.8	547
	3	200	L						
	4	40	L	ND	ND	106	92.1	198.1	ND
- Alley's			TVILES STOR						11 - 18
SW6	SURF	400	Н	ND	ND	335	384	719	384
	1	160	Н						
	2	20	L	ND	ND	ND	ND	ND	ND

	3	400	L						
	4	400	L	ND	ND	ND	ND	ND	402
									MEN WAY
SW7	SURF	40	Н	ND	ND	293	388	681	28.9
	1	100	Н						
	2	100	Н	ND	ND	206	230	436	96
	3	60	L						
	4	20	L	ND	ND	113	132	245	ND

^{**}Delineation site photos attached herein**

Conclusion, Remediation Workplan Request

After the delineation process was completed, it was determined that the facility would be rebuilt and positioned on the west side of the old facility area. This was due to needing to operate the well and allow room to remediate the site. ESS then constructed a lined facility on the west side of the pad, Pitts purchased new tanks and have rebuilt the facility. (See Photos attached).

The visual staining of the surface measured 4,997 sq. ft., but once vertical and horizontal sampling was conducted the final area of impact measured 10,860 sq. ft. Please see the impacted map attached herein.

Pitts Energy and ESS would like to request the following Remediation Plan:

- Finalize the delineation of the separator area as depicted above
- Excavate the entire area of impact to 5'bgs
- 200 sq. ft. composites will be obtained of the excavation area at 5'bgs and confirmed with lab analysis
- Backfill with 1' of clean topsoil and place a 40-mil polyurethane liner on the floor and walls of the excavation, overlapping the sides to ensure proper installation of the seamed liner.
- Haul out approximately, 1,977 cy of contaminated material and haul to Gandy's Disposal
- Backfill the lined area with 3' of topsoil and capping with 1' of caliche as this is still a working
 production pad. This area will be labelled and GPS'd with a flat metal marker to ensure the liner
 is never dug into.
- A new separator area will then be constructed utilizing earthen berms with a 20-mil liner and or a polyurethane lined containment, as instructed by Pitts Energy.

Crews will begin the 5'bgs excavation and the site will be prepped for the 5'bgs liner installation. The 5'bgs option will secure the liner from being ripped or torn due to the rocky soil at 4'bgs when topsoil is placed under and above the liner. Upon approval of this remediation plan, the liner will be installed and the area will be backfilled back to its natural state. Once the site is complete, the closure report will be sent to both the NMOCD and BLM for final approval.

Thank you in advance for your time in this matter. If you have any questions or concerns about the above delineation or proposed remediation of the Federal 54 Battery, please contact the undersigned.

Sincerely,

Patalie Golddan

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road

Hobbs, NM 88240 Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



Attachments:

Spill Notification

Initial C141

BLM Email

OCD Incident Email

Corrected C141 - Initial

Site Map

Soil Map

Rangeland and Vegetation Map

FEMA Flood Map

Karst Map

Watercourse Map

NMOSE GW Data and GW Map

OSE POD Map

Initial Site Photos

Impact Map - Initial

Final Impact Map

Sample Data

Lab Analysis

Delineation Sample Map

Delineation Sample GPS Log

Delineation Site Photos

Remediation C141

Natalie Gladden

From: Natalie Gladden

Sent: Thursday, September 1, 2022 3:58 PM

To: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD; Nobui, Jennifer, EMNRD; Amos, James A; ocdonline, emnrd, EMNRD; CFO_Spill, BLM_NM

Cc: Zach Pitts

Subject: Pitts Energy - New Mexico Federal 54 #054 - Release Notification

Importance: High

All,

After a field inspection that was conducted by the OCD at the above-mentioned site and after an investigation of the contaminated area around the tank battery, it has been determined that an ongoing release was occurring due to a hole in the bottom of a production tank. The tank has been removed from the facility and a new facility which consisted of a lined containment, new oil tanks has been constructed. The old facility area was investigated, and it has been determined that a release has occurred at this facility.

Site Name: New Mexico Federal 54 #054

Date of Release: Unknown Amount of Release: Unknown

Legals: U/L J, Section 27, Township 08S, Range 36E

County: Roosevelt

Please use this email as the initial spill notification. An initial C141 (Release Notification) will be uploaded to the OCD Portal immediately.

If you have any questions or concerns, please don't hesitate to contact me.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services Energy Staffing Services, LLC.

2724 NW County Road Hobbs, NM 88240 Cell: 575-390-6397

Received by OCD: 9/13/2022 11:03:36 AM



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	NAPP2224457572
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

				•					
Responsible	Party PITT	S ENERGY			OGRID 11	786			
Contact Nan	ne ZACH P	ITTS			Contact Telephone 432-682-4101				
Contact ema	il zach@pit	tsenergy.com			Incident #	(assigned by OCD)			
Contact mail	ling address	3313 Caldera Bl	vd Midland, TX	79707	-\ <u>\</u>				
			Location	n of F	Release So	ource			
_atitude 33.5	5904579				_Longitude _	103.24724469			
			(NAD 83 in 0	decimal d	egrees to 5 decim	ial places)			
Site Name N	EW MEXIC	CO FEDERAL 5	4 #054		Site Type P	PRODUCTION WELL/FACILITY			
Date Release	Discovered	UNKNOWN			API# (if app	olicable) 30-041-20267			
Unit Letter	Section	Township	Range		Coun	ity			
J	27	088	36E	RO	OSEVELT				
	Materi	al(s) Released (Select	Nature an			justification for the volumes provided below)			
Crude O		Volume Releas	sed (bbls) UNKN	OWN		Volume Recovered (bbls) 0			
Produced	d Water	Volume Releas	sed (bbls) UNKN	OWN		Volume Recovered (bbls) 0			
			ation of dissolved r >10,000 mg/l?	l chloric	le in the	☐ Yes ☐ No			
Condens	ate	Volume Releas	sed (bbls)			Volume Recovered (bbls)			
☐ Natural (Gas	Volume Releas	sed (Mcf)			Volume Recovered (Mcf)			
Other (de	escribe)	Volume/Weigh	nt Released (prov	ide unit	s)	Volume/Weight Recovered (provide units)			
houmed and	D site inspe a. Upon the to the earth	e onsite investiga en bermed facilit	tion conducted	hv ESS	and after del	nited to contaminated soil in and around the facility lineation of the site, an unknown volume was ned that a hole in the bottom of the production tank			

State of New Mexico Oil Conservation Division

Received by OCD	: 9/13/2022	11:03:36	AM
Form C-141			Sta

Page 2

P	ag	P	2	4	n	f	5	n	4
	$u_{\mathcal{S}}$		-	•	v_{J}		0	v	,

was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ⊠ No	
If YES, was immediate no	tice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible p	arty must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ase has been stopped.
	s been secured to protect human health and the environment.
ı — ·	ve been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	coverable materials have been removed and managed appropriately.
	above have <u>not</u> been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred
	t area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environm	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have attend and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Natalie	Gladden Title: Regulatory and Environmental Director
Signature:	in Gradden Date: 9-1-22
email: natalie@energys	taffingllc.com Telephone: 575-393-9048
OCD Only	
	Harimon Date: 09/13/2022

Page 25 of 504

Received by OCD: 9/13/2022 11:03:36 AM

Natalie Gladden

From: Natalie Gladden

Sent: Thursday, September 1, 2022 4:20 PM **To:** CFO_Spill, BLM_NM; Amos, James A

Subject: FW: Pitts Energy - New Mexico Federal 54 #054 - C141

Attachments: INITIAL C141.pdf; Pitts Energy - New Mexico Federal 54 #054 - Release Notification

Importance: High

Please find the attached C141 and the OCD/BLM Spill Notification Email.

Natalie Gladden

Director of Environmental and Regulatory Services

Energy Staffing Services, LLC.

2724 NW County Road Hobbs, NM 88240 Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



From: Natalie Gladden

Sent: Thursday, September 1, 2022 3:58 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <robert.hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <jennifer.nobui@state.nm.us>; Amos, James A <jamos@blm.gov>; ocdonline, emnrd, EMNRD <emnrd.ocdonline@state.nm.us>; CFO_Spill, BLM_NM <blm> cfo spill@blm.gov>

Cc: Zach Pitts <zach@pittsenergy.com>

Subject: Pitts Energy - New Mexico Federal 54 #054 - Release Notification

Importance: High

All,

Received by OCD: 9/13/2022 11:03:36 AM

After a field inspection that was conducted by the OCD at the above-mentioned site and after an investigation of the contaminated area around the tank battery, it has been determined that an ongoing release was occurring due to a hole in the bottom of a production tank. The tank has been removed from the facility and a new facility which consisted of a lined containment, new oil tanks has been constructed. The old facility area was investigated, and it has been determined that a release has occurred at this facility.

Site Name: New Mexico Federal 54 #054

Date of Release: Unknown Amount of Release: Unknown

Legals: U/L J, Section 27, Township 08S, Range 36E

County: Roosevelt

Please use this email as the initial spill notification. An initial C141 (Release Notification) will be uploaded to the OCD Portal immediately.

If you have any questions or concerns, please don't hesitate to contact me.

Sincerely,

Natalie Gladden

Director of Environmental and Regulatory Services Energy Staffing Services, LLC.

2724 NW County Road Hobbs, NM 88240 Cell: 575-390-6397

Office: 575-393-9048

Email: natalie@energystaffingllc.com



Received by OCD: 9/13/2022 11:03:36 AM

Natalie Gladden

From: OCDOnline@state.nm.us

Sent: Thursday, September 1, 2022 4:00 PM

To: Natalie Gladden

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 140290

To whom it may concern (c/o Natalie Gladden for PITTS ENERGY CO),

The OCD has accepted the submitted *Notification of a release* (NOR), for incident ID (n#) nAPP2224457572, with the following conditions:

• When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Please reference nAPP2224457572, on all subsequent C-141 submissions and communications regarding the remediation of this release.

NOTE: As of December 2019, NMOCD has discontinued the use of the "RP" number.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

ocd.enviro@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505 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	
District RP	
Facility ID	
Application ID	

Release Notification

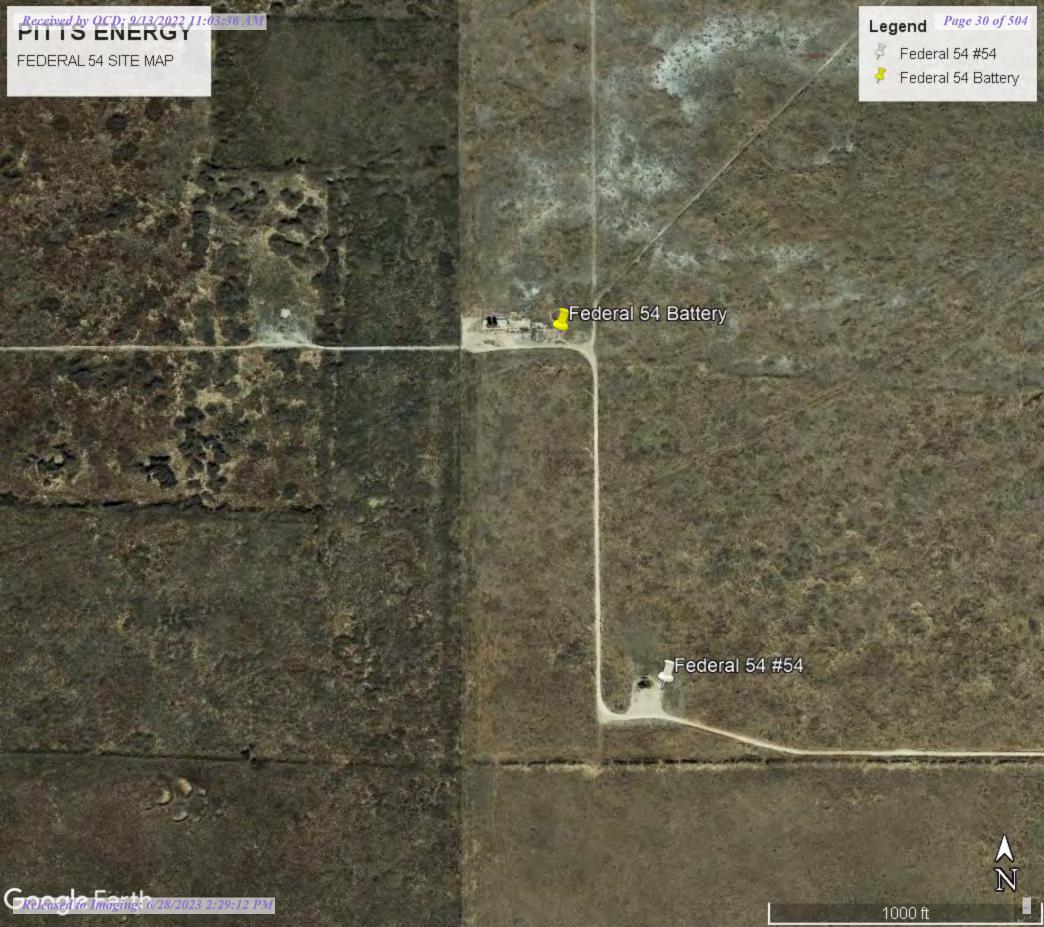
			Res	sponsible Par	rty		
Responsible	Party PITT	'S ENERGY		OGRID	11786		
Contact Nar				Telephone 432-682-4101			
Contact email zach@pittsenergy.com Incident # (assigned by OCD) Contact mailing address 3313 Caldera Blvd Midland, TX 79707			t # (assigned by OCD)				
Contact mai	ling address	3313 Caldera B	vd Midland, TX	79707			
			Locatio	n of Release	Source		
atitude 33.	593865		(NAD 83 in c	Longitud decimal degrees to 5 de	e -103.243543 ecimal places)		
Site Name N	EW MEXIC	CO FEDERAL 5	4 #054	Site Typ	e PRODUCTION WELL/FACILITY		
Date Release	Discovered	UNKNOWN		API# (if	applicable) 30-041-20267		
Unit Letter	Section	Township	Range	Co	ounty		
J	27	088	36E	ROOSEVEL			
			C-1	nd Volume of			
Crude Oi			all that apply and atta ed (bbls) UNKN		Volume Recovered (bbls) 0		
Produced	l Water	Volume Releas	ed (bbls) UNKN	OWN	Volume Recovered (bbls) 0		
Is the concentration of dissolved chloric produced water >10,000 mg/l?		chloride in the	☐ Yes ☐ No				
Condens				Volume Recovered (bbls)			
Natural (Gas	Volume Released (Mcf)			Volume Recovered (Mcf)		
Other (de	escribe)	Volume/Weigh	t Released (provi	de units)	Volume/Weight Recovered (provide units)		
Cause of Re Upon a OC bermed are	lease D site inspecta. Upon the cother earthe	Volume/Weight vo	t Released (provi	ncluding but not l			

Page 2

Oil Conservation Division

	8	
ncident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
☐ Yes ⊠ No	
If YES, was immediate no	tice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	Initial Response
The responsible po	arty must undertake the following actions immediately unless they could create a safety hazard that would result in injury
The source of the release	ise has been stopped.
☐ The impacted area has	been secured to protect human health and the environment.
Released materials have	re been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and rec	coverable materials have been removed and managed appropriately.
	AC the responsible party may commence remediation immediately after discovery of a release. If remediation narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred
	area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are re public health or the environme failed to adequately investigat	nation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and equired to report and/or file certain release notifications and perform corrective actions for releases which may endanger ent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Natalie C	Date: 9/1/22
email: <u>natalie@energyst</u>	affinglic.com Telephone: 575-393-9048
OCD Only	
Received by:	Date:





Soil Map—Roosevelt County, New Mexico (FEDERAL 54 BATTERY)

MAP LEGEND

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Water Features

Transportation

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Candfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

+ Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

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

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

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

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Roosevelt County, New Mexico Survey Area Data: Version 18, Sep 10, 2021

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

Date(s) aerial images were photographed: Feb 5, 2021—Feb 8, 2021

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

FEDERAL 54 BATTERY

Map Unit Legend

Map Unit Symbol Map Unit Name		Acres in AOI	Percent of AOI	
JAV	Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes	2.9	100.0%	
Totals for Area of Interest		2.9	100.0%	

Rangeland Productivity and Plant Composition

In areas that have similar climate and topography, differences in the kind and amount of rangeland or forest understory vegetation are closely related to the kind of soil. Effective management is based on the relationship between the soils and vegetation and water.

This table shows, for each soil that supports vegetation suitable for grazing, the ecological site; the total annual production of vegetation in favorable, normal, and unfavorable years; the characteristic vegetation; and the average percentage of each species. An explanation of the column headings in the table follows.

An *ecological site* is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time throughout the soil development process; a characteristic hydrology, particularly infiltration and runoff that has developed over time; and a characteristic plant community (kind and amount of vegetation). The hydrology of the site is influenced by development of the soil and plant community. The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production. Descriptions of ecological sites are provided in the Field Office Technical Guide, which is available in local offices of the Natural Resources Conservation Service (NRCS).

Total dry-weight production is the amount of vegetation that can be expected to grow annually in a well managed area that is supporting the potential natural plant community. It includes all vegetation, whether or not it is palatable to grazing animals. It includes the current year's growth of leaves, twigs, and fruits of woody plants. It does not include the increase in stem diameter of trees and shrubs. It is expressed in pounds per acre of air-dry vegetation for favorable, normal, and unfavorable years. In a favorable year, the amount and distribution of precipitation and the temperatures make growing conditions substantially better than average. In a normal year, growing conditions are about average. In an unfavorable year, growing conditions are well below average, generally because of low available soil moisture. Yields are adjusted to a common percent of air-dry moisture content.

Characteristic vegetation (the grasses, forbs, and shrubs that make up most of the potential natural plant community on each soil) is listed by common name. Under rangeland composition, the expected percentage of the total annual production is given for each species making up the characteristic vegetation. The amount that can be used as forage depends on the kinds of grazing animals and on the grazing season.

Range management requires knowledge of the kinds of soil and of the potential natural plant community. It also requires an evaluation of the present range similarity index and rangeland trend. Range similarity index is determined by comparing the present plant community with the potential natural plant community on a particular rangeland ecological site. The more closely the existing community resembles the potential community, the higher the range similarity index. Rangeland trend is defined as the direction of change in an existing plant community relative to the potential natural plant community. Further information about the range similarity index and rangeland trend is available in the "National Range and Pasture Handbook," which is available in local offices of NRCS or on the Internet.

The objective in range management is to control grazing so that the plants growing on a site are about the same in kind and amount as the potential natural plant community for that site. Such management generally results in the optimum production of vegetation, control of undesirable brush species, conservation of water, and control of erosion. Sometimes, however, an area with a range similarity index somewhat below the potential meets grazing needs, provides wildlife habitat, and protects soil and water resources.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service, National range and pasture handbook.

Report—Rangeland Productivity and Plant Composition

Rangeland Productivity and Plant Composition–Roosevelt County, New Mexico						
Map unit symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland
		Favorable year	Normal year	Unfavorable year		composition
		Lb/ac	Lb/ac	Lb/ac		Pct
JAV—Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes						
Jalmar	R077DY046TX: Sandy 12-17" PZ	2,100	1,400	700	Little bluestem	20
					Sand bluestem	20
					Sideoats grama	10
					Havard's oak	10
					Miscellaneous perennial grasses	10
					Hairy grama	5
					Miscellaneous perennial forbs	5
					Sand lovegrass	5
					Sand dropseed	5
					Sand sagebrush	5
					Plains bristlegrass	5
					Cane bluestem	_
Amarose	R077DY046TX: Sandy 12-17" PZ	2,500	1,400	700	Blue grama	25
					Sideoats grama	20
					Black grama	15
					Hairy grama	10
					Catclaw acacia	5
					Silver bluestem	5
					Plains bristlegrass	5

Rangeland Productivity and Plant Composition–Roosevelt County, New Mexico												
Map unit symbol and soil name	Ecological site	Total	dry-weight produ	ction	Characteristic vegetation	Rangeland						
		Favorable year	Normal year Unfavorable year			composition						
		Lb/ac	Lb/ac	Lb/ac		Pct						
					Western honey mesquite	5						
					Yucca	5						
					Broom snakeweed	5						
Vestwells	R077DY046TX: Sandy 12-17" PZ	2,100	1,400	700	Little bluestem	20						
					Sand bluestem	20						
					Sideoats grama	10						
					Havard's oak	10						
					Miscellaneous perennial grasses	10						
					Hairy grama	5						
					Miscellaneous perennial forbs	5						
					Sand dropseed	5						
					Sand lovegrass	5						
					Sand sagebrush	5						
					Plains bristlegrass	5						
					Cane bluestem	_						

Data Source Information

Soil Survey Area: Roosevelt County, New Mexico Survey Area Data: Version 18, Sep 10, 2021

OReleas 250 Im 5 9 Ang: 6/28/2023 2009:12 PM

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average

Area of Undetermined Flood Hazard Zone D

National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway

depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D

NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS

- - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall

> 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE)

Limit of Study **Jurisdiction Boundary** --- Coastal Transect Baseline

OTHER **Profile Baseline FEATURES** Hydrographic Feature

Digital Data Available No Digital Data Available

Unmapped

MAP PANELS

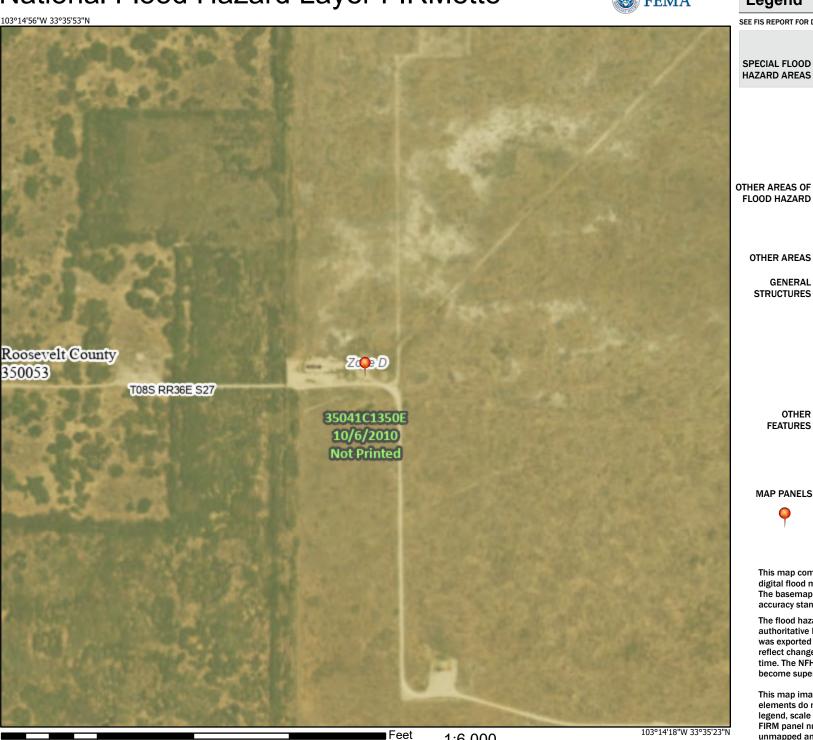
an authoritative property location. This map complies with FEMA's standards for the use of

The pin displayed on the map is an approximate point selected by the user and does not represent

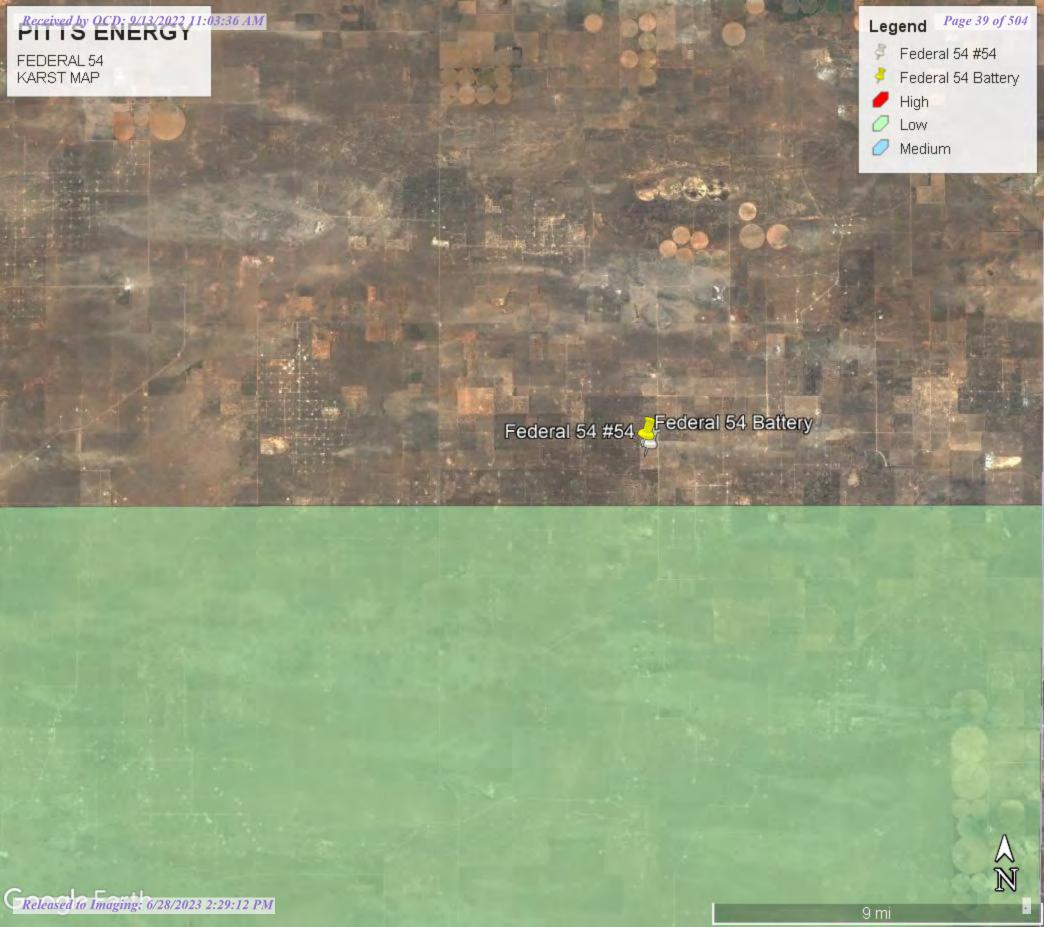
digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the

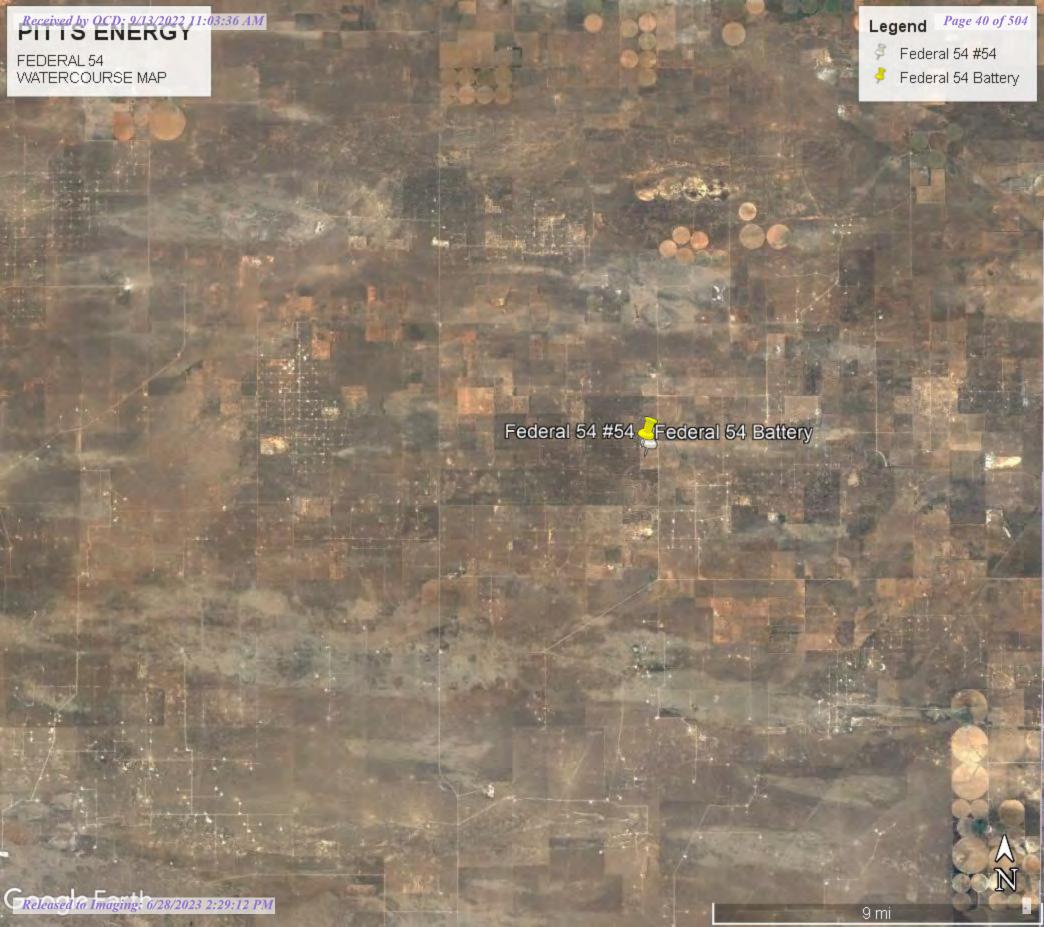
authoritative NFHL web services provided by FEMA. This map was exported on 9/6/2022 at 5:57 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



2.000





Received by OCD: 9/13/2022 11:03:36 AM



New Mexico Office of the State Engineer

Wells with Well Log Information

No wells found.

UTMNAD83 Radius Search (in meters):

Easting (X): 662982.84 **Northing (Y):** 3718508.54 **Radius:** 1000

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

9/7/22 7:39 AM WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer

Wells with Well Log Information

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

(R=POD has been replaced, O=orphaned, C=the file is

aned, ile is (quarters are 1=NW 2=NE 3=SW 4=SE)

(NAD83 UTM in meters)

(in feet)

water right	closed)			(quarters	are smallest	to largest)	(NAD83	UTM in meters))			(in fe	et)	
		POD			qqq						Log File	Depth	Depth	License
POD Number	Code	Subbasin	County	Source	6416 4 Se	c Tws Rng	X	Y	Distance Start Date	Finish Date	Date	Well	Water Driller	Number
CL 00176 POD1		CL	RO	Shallow	3 3 1 25	08S 36E	665436	3717789 🌑	2556 04/28/2008	04/30/2008	05/06/2008	231	GILLIAM, DUB ALLEN	1145
<u>L 13754 POD1</u>		L	LE	Shallow	2 2 2 01	09S 36E	666729	3715942	4540 11/11/2014	11/15/2014	11/26/2014	216	216 GILLIAM, DUB ALLEN	1145
L 12577 POD1		L	LE	Shallow	4 3 2 05	09S 36E	659955	3715077	4576 08/02/2010	08/02/2010	08/12/2010	209	EADES, ALAN	1044

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 662982.84 **Northing (Y):** 3718508.54 **Radius:** 5000

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

9/7/22 7:40 AM WELLS WITH WELL LOG INFORMATION



New Mexico Office of the State Engineer **Point of Diversion Summary**

25 08S 36E

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

CL 00176 POD1

X

665436 3717789

Driller Company: GILCO DRILLING COMPANY Driller License: 1145

Driller Name: GILLIAM, DUB ALLEN

Drill Start Date: 04/28/2008

Drill Finish Date:

04/30/2008

Plug Date:

Source: Shallow

Log File Date: **Pump Type:**

05/06/2008 **PCW Rcv Date:**

Pipe Discharge Size:

Estimated Yield: 5 GPM

Casing Size:

Depth Well: 5.00

231 feet

Depth Water:

Water Bearing Stratifications:

Top Bottom Description

208 227 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

211 231



New Mexico Office of the State Engineer Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number

Q64 Q16 Q4 Sec Tws Rng

X Y

L 12577 POD1

4 3 2 05 09S 36E

659955 3715077

9

Shallow

Driller License: 1044

. . . .

Driller Company: EADES WELL DRILLING & PUMP SERVICE

Driller Name: EADES, ALAN

Drill Start Date: 08/02/2010

5.75

Drill Finish Date:

08/02/2010

Plug Date:

Source:

Log File Date:

08/12/2010

PCW Rcv Date:

Pipe Discharge Size:

000...0

Estimated Yield:

Pump Type: Casing Size:

Depth Well:

209 feet

Depth Water:

Water Bearing Stratifications:

Top Bottom Description

120 Sandstone/Gravel/Conglomerate

105 165

205 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

149

209



New Mexico Office of the State Engineer **Point of Diversion Summary**

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

L 13754 POD1

2 01 09S 36E

X

3715942

Driller License: 1145

Driller Company: GILCO DRILLING COMPANY

666729

Driller Name:

Drill Start Date: 11/11/2014

GILLIAM, DUB ALLEN

Drill Finish Date:

Plug Date: 11/15/2014

Log File Date:

11/26/2014

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 2 GPM

Casing Size:

6.00

Depth Well:

216 feet

Depth Water:

216 feet

Water Bearing Stratifications:

Top Bottom Description

193

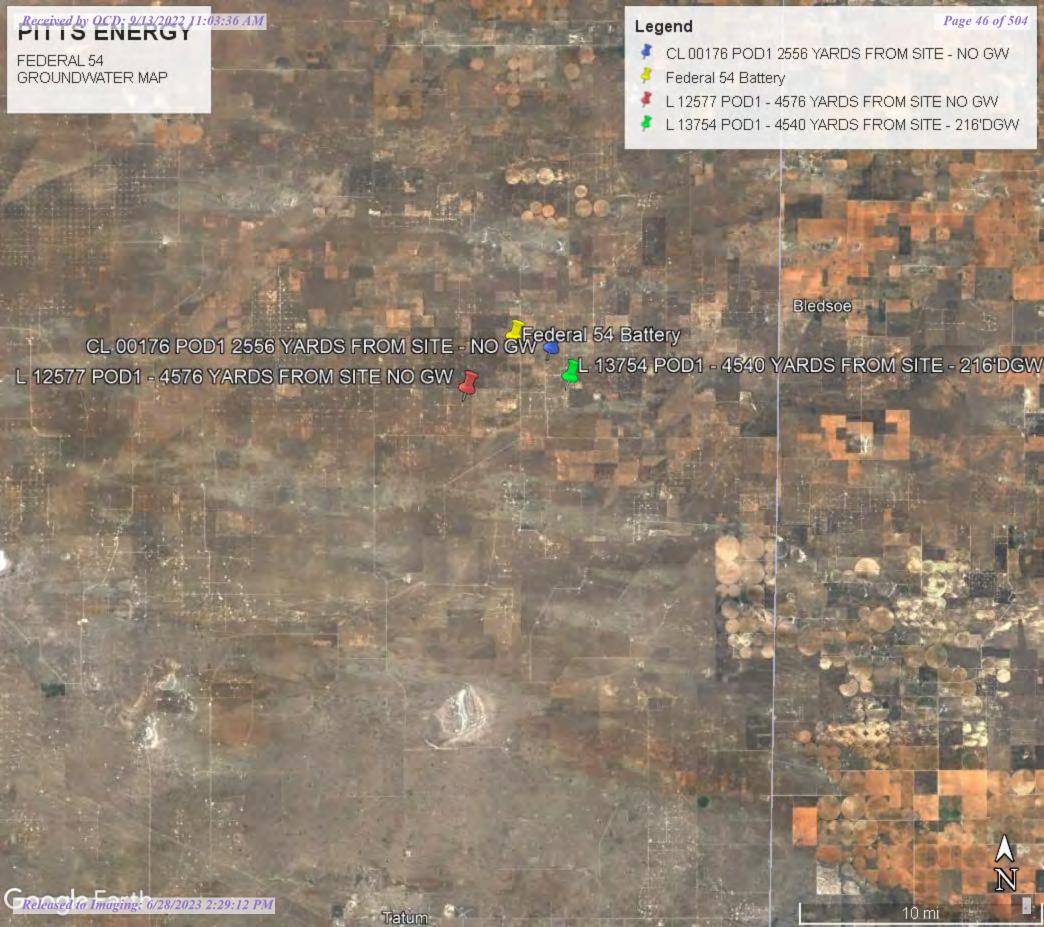
211 Sandstone/Gravel/Conglomerate

Casing Perforations:

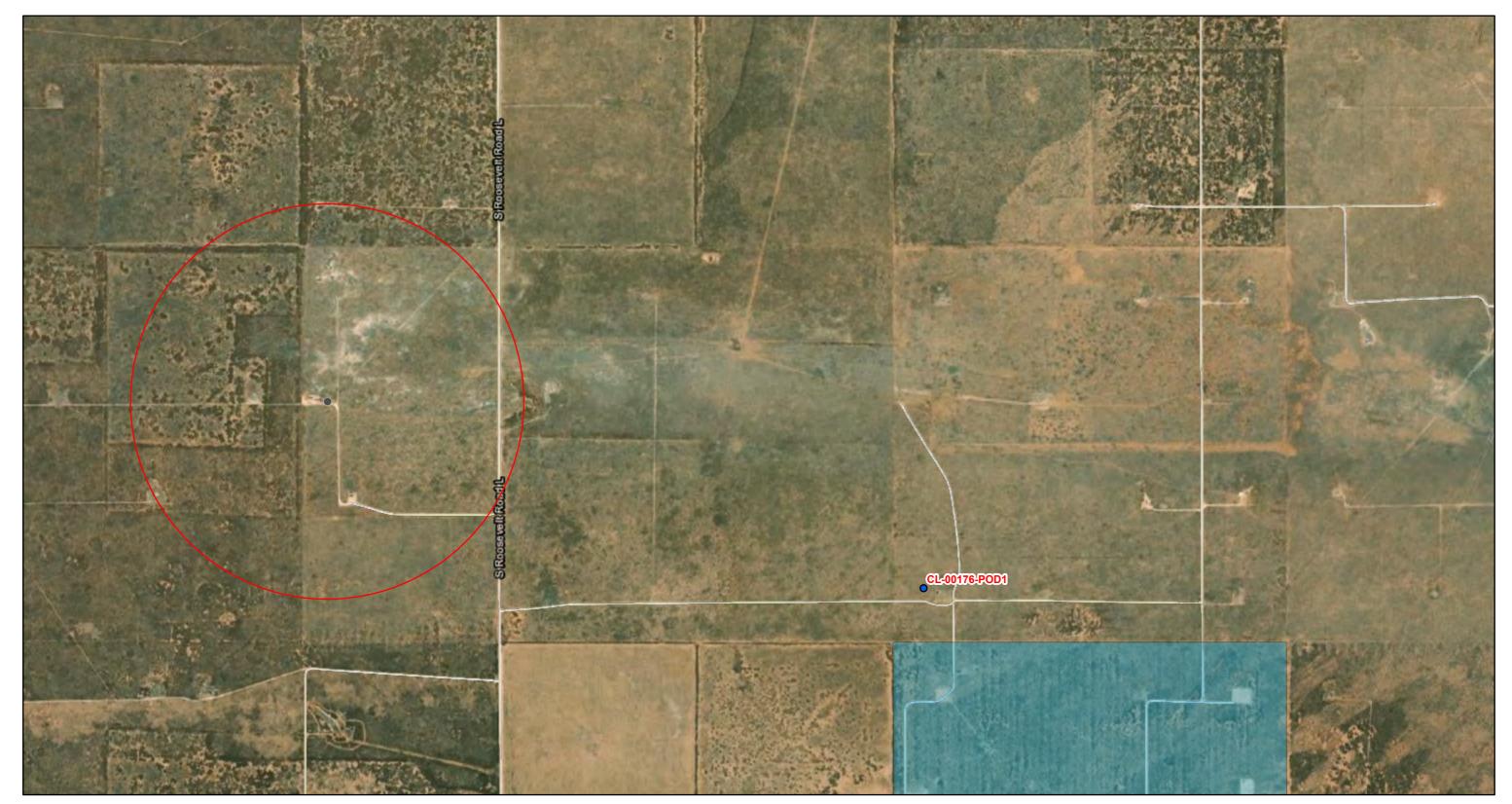
Top Bottom

20

216



OSE POD Locations Map



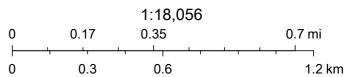
9/7/2022, 7:49:52 AM GIS WATERS PODs

New Mexico State Trust Lands

Active

OSE District Boundary SiteBoundaries

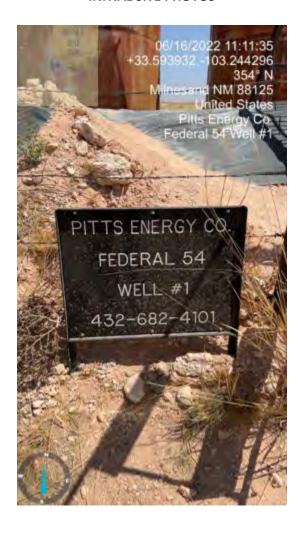
Both Estates



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

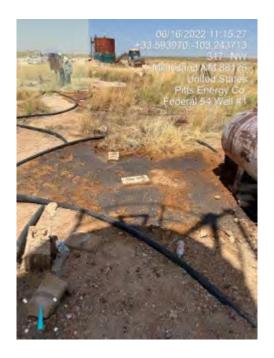
PITTS ENERGY

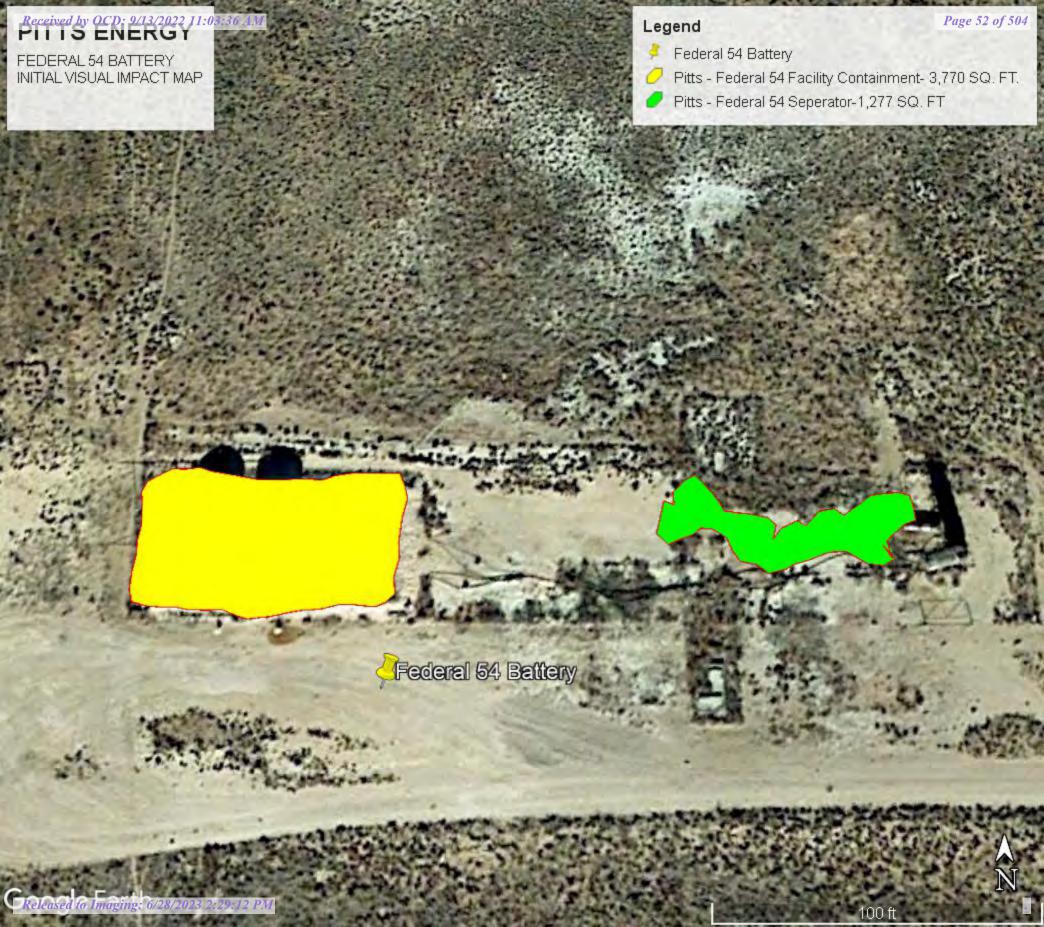
FEDERAL 54 BATTERY INITIAL SITE PHOTOS













Company Name: PITTS Location Name: FEDERAL 54 BATTERY Release Date: UNKNOWN

BATTERY DELINEATION SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	3600	L	ND	ND	ND	ND	ND	3520	0011	110000
- O. 1	2	240	H	.,,,,	110	110	110	.,,,,	5525		
	4	100	Н	ND	ND	222	180	402	104		
	5	20	Н	ND	ND	40.9	58.3	99.2	ND		
	6	80	Н								
	8	80	Н								
	10	160	Н	ND	ND	305	ND	305	149		
	12	80	L								
	14	20	L	ND	ND	ND	ND	ND	ND		
SP2	2	400	Н	0.154	ND	3790	1140	4930	363		PRE-EXCAVATED
	4	960	Н								
	5	180	L	ND	ND	ND	ND	ND	152		
	6	880	Н								
	8	640	Н								
	10	140	L	ND	ND	ND	ND	ND	128		
	12	1440	Η								
	14	1920	Η								
	15	800	Η	ND	ND	242	75	317	775		
	16	1360	Н								
	18	720	L								
	20	3080	L	ND	ND	60.3	ND	60.3	3430		
	22	1040	Н								
	24	2720	Н								
	26	4800	L	ND	ND	ND	ND	ND	4660		
	28	1960	L								
	30	3360	L	ND	ND	ND	ND	ND	3490		
	32	1120	L								
	34	1120	L								
	35	800	Н	ND	ND	190	117	307	867		
	38	400	Н	ND	ND	116	ND	116	355		

	40	400	L							
	42	400	L	ND	ND	ND	ND	ND	346	
SP3	SURF	80	Н	ND	ND	88.4	64.9	153.3	50.1	
	1	80	Н							
	2	80	Н	ND	ND	182	177	359	21.9	
	4	840	Н							
	5	180	L	ND	ND	31.3	ND	31.3	ND	
	6	160	Н							
	8	160	Н							
	10	240	Н	27.2	223	8130	2090	10443	207	
	12	240	Н							
	14	880	Н							
	16	560	Н	18.1	ND	7860	1570	9430	591	
	18	720	Н							
	20	640	Н	16.8	ND	8710	1780	10490	720	
	22	320	Η							
	24	480	Η							
	26	320	Η	6.67	ND	7450	1420	8870	542	
	28	400	Η							
	30	320	Н	8.14	ND	3400	730	4130	270	
	32	320	Н							
	34	320	Н							
	36	200	Н	11	156	5100	ND	5256	159	
	38	300	Н							
	40	220	Н	ND	ND	484	146	630	115	
	42	200	L							
	44	100	L	ND	ND	ND	ND	ND	ND	
SP4	SURF	80	Н	9.53	229	16700	5910	22839	53.3	
	2	160	Н							
	4	1000	Н							
	6	860	Н							
	8	1540	Н							

	10	200	L	ND	ND	34.7	ND	34.7	117	
	12	800	Н							
	14	200	Н	ND	ND	2080	913	2993	128	
	16	560	L							
	18	516	L	ND	ND	ND	ND	ND	516	
SP5	SURF	400	Н	ND	ND	64.7	77.5	142.2	249	
	2	1280	Н							
	4	640	Н							
	5	100	Н	0.423	ND	3110	1060	4170	70	
	6	1880	Н							
	8	2000	Н							
	10	960	L	ND	ND	35.5	ND	35.5	ND	
	12	1880	L							
	14	1280	Н							
	15	600	L	ND	ND	83.7	ND	83.7	526	
	16	1680	Н							
	18	1480	Н							
	20	100	L	ND	ND	ND	ND	ND	90.9	
	22	1000	Н							
	24	1240	Н							
	26	1000	Н							
	28	1280	Н							
	30	1480	Н							
	32	1200	Н							
	34	400	Н							
	36	200	Н	ND	ND	484	146	630	115	
	38	400	L							
	40	360	L	ND	ND	ND	ND	ND	353	
SP6	SURF	>4000	Н	38.8	491	8410	2070	10971	4650	PRE-EXCAVATED
	4	480	Н							
	5	60	Н	ND	ND	1310	583	1893	49	
	6	560	Н							

	8	640	Н								
	10	800	Н	9.17	129	6570	1540	8239	452		
	12	1280	Н								
	14	2240	Н								
	15	60	Н	16.4	138	7610	1740	9488	59.9		
	16	4000	Н								
	18	3360	Н								
	20	3280	Н	10.8	ND	4760	910	5670	2240		
	22	2960	Η								
	24	1760	Ι								
	26	2400	Н	3.34	ND	2500	509	3009	1440		
	28	2800	Η								
	30	2560	Н	0.479	ND	2030	510	2540	3680		
	32	1680	Η								
	34	3280	Н	0.175	ND	1710	478	2188	4060		
	36	1200	Н								
	38	880	Η								
	39	480	L								
	40	480	L	ND	ND	ND	ND	ND	200		
SP7	SURF	4080	Н	ND	ND	1200	1280	2480	3710		
	2	1560	Н								
	4	1520	Н								
	6	160	L								
	8	80	M	ND	ND	ND	ND	ND	59.3	PID DETECT	ED BTEX/TPH DURING FIELD TESTING
	10	600	L								
	12	640	L								
	14	620	L								
	16	210	L								
	18	100	L	ND	ND	ND	ND	ND	107		
SP8	SURF	400	Н	0.169	ND	985	664	1649	344		
	2	320	Н								
	4	240	Н								

	6	160	Н							
	8	160	Н							
	10	160	Н							
	12	320	Н							
	14	520	L							
	16	480	L	ND	ND	ND	ND	ND	506	
SP9	SURF	200	Н	ND	ND	493	625	1118	213	
	2	400	Η							
	4	480	Н							
	6	720	Н							
	8	800	Н							
	10	720	Н							
	12	1000	Н							
	14	2000	Η							
	16	1600	Н							
	17	520	L							
	18	320	L	ND	ND	ND	ND	ND	318	
SW1	SURF	800	Н	ND	ND	498	274	772	766	
	1'	760	Н							
	2'	640	Н							
	3'	600	L							
	4'	540	L	ND	ND	ND	ND	ND	550	
SW2	SURF	1200	Н	ND	ND	395	221	616	1090	
	1'	1000	Н							
	2'	880	Н							
	3'	600	L							
	4'	600	L	ND	ND	ND	ND	ND	618	
SW3	SURF	1200	Н	ND	ND	430	238	668	997	
	1'	1060	Н							
	2'	840	Н							

	3'	420	L							
	4'	300	L	ND	ND	ND	ND	ND	286	
SW4	SURF	1100	Н	ND	ND	437	236	673	1030	
	1'	800	L							
	2'	640	L							
	3'	480	L							
	4'	280	L	ND	ND	ND	ND	ND	288	
SW5	SURF	1000	Н	ND	ND	683	376	1059	937	
	1'	940	Н							
	2'	720	L							
	3'	540	L							
	4'	400	L	ND	ND	ND	ND	ND	383	
SW6	SURF	800	Н	ND	ND	512	308	820	757	
	1'	1000	Н							
	2'	620	Н							
	3'	500	L							
	4'	400	L	ND	ND	ND	ND	ND	398	
	T	1		T				T	T	
SW7	SURF	946	Н	ND	ND	872	503	1375	946	
	1'	1200	Н							
	2'	860	L							
	3'	540	L							
	4'	400	L	ND	ND	ND	ND	ND	407	
	T	T T		T				T	T	
SW8	SURF	1600	Н	ND	ND	393	288	681	1440	
	1'	1180	Н							
	2'	760	L							
	3'	500	L							
	4'	400	L	ND	ND	ND	ND	ND	400	

Company Name: PITTS Location Name: FEDERAL 54 SEPARATOR Release Date: UNKNOWN

SEPARTOR AREA DELINEATION SAMPLE DATA

SP ID	Depth	Titr	PID	L-BTEX	L-GRO	L-DRO	L-ORO	L-TPH	L-CHL	Soil	Notes
SP1	SURF	40	Н	30.9	446	20800	4460	25706	ND		
	1	160	Н								
	2	80	Н								
	3	80	Н								
	4	80	Н								
	5	80	Н	ND	ND	1440	ND	1440	56.6		
	6	240	Н								
	8	320	Н								
	10	160	Н	ND	ND	1730	542	2272	ND		
	12	400	Н								
	14	1080	Н								
	16	1310	Н	3.85	54.9	5500	622	6176.9	1250		
	18	1100	Н								
	20	640	Н	0.0582	ND	349	234	583	620		
	22	480	Н								
	24	640	Н	ND	ND	54.9	90	144.9	625		
	26	400	Н								
	28	320	Н	ND	ND	438	248	686	280		
	30	300	L								
	32	140	L	ND	ND	ND	ND	ND	119		
SP2	SURF	1400	Н	126	1320	37200	7940	46460	1420		
	2	1160	Н								
	4	160	Н								
	5	100	Н	ND	ND	1050	356	1406	81.1		
	6	240	Н								
	8	1320	Н								
	10	1000	Н	ND	ND	4120	1150	5270	961		
	12	1240	Н								
	14	320	Н								
	16	300	Н	ND	ND	793	234	1027	301		

	10	720								
	18	720	Н							
	20	1600	Н	0.074	ND	930	184	1114	1560	
	22	1120	Н							
	24	560	Н							
	26	560	Н	ND	ND	81.1	ND	81.1	577	
	28	400	L							
	30	140	L	ND	ND	ND	ND	ND	130	
SP3	SURF	1560	Н	1.45	26.2	10800	6010	16836.2	1500	
	2	800	Н							
	4	400	Н							
	6	400	Н	ND	ND	ND	ND	ND	472	
SP4	SURF	80	Н	2.26	ND	25700	7620	33320	ND	
	2	160	Н							
	4	160	Н							
	5	300	Н	ND	ND	2350	977	3327	229	
	6	400	Н							
	8	560	Н							
	10	300	Н	ND	ND	596	147	743	291	
	12	240	Н							
	14	240	Н							
	16	240	Н	ND	ND	299	62	361	262	
	18	240	Н							
	20	800	L	ND	ND	55.7	ND	55.7	822	
	22	800	L	ND	ND	27.9	ND	27.9	803	
	24	400	L							
	26	140	L	ND	ND	ND	ND	ND	144	
SP5	SURF	3360	Н	ND	ND	1200	1280	2480	3710	
	2	1120	Н							
	4	1180	Н							
	5	400	Н	ND	ND	ND	ND	ND	354	
	6	560	Н							
]										

	8	800	Н							
	10	200	Н	ND	ND	ND	ND	ND	207	
	12	1220	Н							
	14	800	Н							
	16	1000	Н							
	18	640	Н							
	20	1200	Н							
	22	880	Н							
	24	1600	Η							
	26	1840	L	ND	ND	ND	ND	ND	1780	
	28	1600	Η							
	30	1800	Η	ND	ND	92.5	ND	92.5	1720	
	32	1600	Н							
	34	400	Н							
	36	220	Н	ND	ND	228	116	344	196	
	38	340	Н							
	40	300	Н	ND	ND	429	237	666	276	
	42	460	L							
	44	400	L	ND	ND	ND	ND	ND	414	
SP6	SURF	400	Н	0.169	ND	985	664	1649	344	
	2	1040	Н							
	4	1800	Н							
	6	1280	Н							
	8	640	Н							
	10	560	Н							
	12	560	Н	ND	ND	467	282	749	583	
	14	680	L							
	16	640	L							
	18	600	L	ND	ND	ND	ND	ND	613	
				1				ı	1	
SP7	SURF	320	Н							
	2	160	Н							
	4	60	Н	ND	ND	103	91.6	194.6	58.5	

	6	1000	Н							
	8	1000	Н							
	10	920	Н	ND	ND	ND	ND	ND	895	
	12	1000	L							
	14	820	L							
	16	440	L							
	18	100	L	ND	ND	ND	ND	ND	107	
SP8	SURF	600	Н	1.26	29.1	5040	1340	6409.1	497	
	2	720	Η							
	4	720	Η							
	6	640	Η							
	8	800	Η							
	10	960	Η							
	12	1280	Η							
	14	1360	Η							
	16	1120	Н							
	18	2080	Н							
	20	1520	Н							
	22	1520	Н							
	24	720	Н							
	26	720	Н							
	28	880	Н							
	30	560	Н							
	32	560	Н							
	34	540	Н	ND	ND	ND	ND	ND	537	
SP9	SURF	300	Н	1.39	32.1	3600	746	4378.1	251	
	1'	1200	Н							
	2'	1020	Н							
	3'	600	Н							
	4'	600	Н	ND	ND	ND	ND	ND	684	NEEDS FURTHER DELINEATION
SW1	SURF	60	Н	ND	ND	172	112	284	64.1	

	1	80	Н							
	2	60	Н	ND	ND	194	131	325	64.9	
	3	60	Н							
	4	60	Н	ND	ND	907	1010	1917	51.4	NEEDS FURTHER DELINEATION
SW2	SURF	20	Н	ND	ND	171	185	356	25.5	
	1	20	Н							
	2	ND	Н	ND	ND	50	69.3	119.3	ND	
	3	60	Н							
	4	60	Н	ND	ND	1020	1450	2470	53.4	NEEDS FURTHER DELINEATION
SW3	SURF	160	Н	ND	ND	132	156	288	174	
	1	80	Н							
	2	20	Н	ND	ND	45	57.2	102.2	ND	
	3	400	L							
	4	340	L	ND	ND	ND	ND	ND	356	
	1					ı	1	ı	1	
SW4	SURF	320	Н	ND	ND	290	321	611	312	
	1	520	Н							
	2	400	Н	ND	ND	136	133	269	422	
	3	480	L							
	4	480	L	ND	ND	ND	ND	ND	484	
	T						T		T	
SW5	SURF	2000	Н	ND	ND	205	117	322	1800	
	1	560	H				A/-		-	
	2	560	H	ND	ND	85.8	ND	85.8	547	
	3	200	L							
	4	40	L	ND	ND	106	92.1	198.1	ND	NEEDS FURTHER DELINEATION
CVA/C	CLIDE	100	- 11	ND	ND	225	204	740	204	
SW6	SURF	400	H	ND	ND	335	384	719	384	
	1	160	H	ND	ND	ND	ND	ND	ND	
	2	20	L	ND	ND	ND	ND	ND	ND	
	3	400	L	ND	ND	ND	ND	ND	402	
	4	400	L	ND	ND	ND	ND	ND	402	

SW7	SURF	40	Η	ND	ND	293	388	681	28.9	
	1	100	Н							
	2	100	Н	ND	ND	206	230	436	96	
	3	60	L							
	4	20	L	ND	ND	113	132	245	ND	NEEDS FURTHER DELINEATION

Report to:

Natalie Gladden





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Pitts

Project Name: Federal 54 Well #1

Work Order: E206144

Job Number: 20046-0001

Received: 6/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/22/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 6/22/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E206144

Date Received: 6/20/2022 8:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/20/2022 8:15:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Pitts	Project Name:	Federal 54 Well #1	Donoutoda
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	06/22/22 15:53

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - Surf BTY	E206144-01A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP2 - Surf BTY	E206144-02A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP3 - Surf BTY	E206144-03A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP4 - Surf BTY	E206144-04A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP5 - Surf BTY	E206144-05A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP6 - Surf BTY	E206144-06A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP1 - Surf Sep	E206144-07A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP2 - Surf Sep	E206144-08A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP3 - Surf Sep	E206144-09A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.
SP4 - Surf Sep	E206144-10A	Soil	06/16/22	06/20/22	Glass Jar, 4 oz.

Sample Data

Pitts	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	6/22/2022 3:53:15PM

SP1 - Surf BTY E206144-01

		E200144-01					
Analyte	Result	Reporting Limit	Dib	ution	Prepared	Analyzed	Notes
Analyte	Kesun	LIIIII	ווע	utiOII	Fiepareu	Anaryzed	INUICS
Volatile Organic Compounds by EPA 8260B		mg/kg		Analyst	: IY		Batch: 2226002
Benzene	ND	0.0250		1	06/20/22	06/20/22	
Ethylbenzene	ND	0.0250		1	06/20/22	06/20/22	
Toluene	ND	0.0250		1	06/20/22	06/20/22	
o-Xylene	ND	0.0250		1	06/20/22	06/20/22	
p,m-Xylene	ND	0.0500		1	06/20/22	06/20/22	
Total Xylenes	ND	0.0250		1	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		93.2 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		104 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		93.2 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		104 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2226004
Diesel Range Organics (C10-C28)	ND	25.0	_	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	ND	50.0		1	06/20/22	06/21/22	
Surrogate: n-Nonane		92.6 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: KL		Batch: 2226010
Chloride	3520	40.0		2	06/20/22	06/20/22	



Sample Data

PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/20223:53:15PM

SP2 - Surf BTY

E206144-02

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2226002
Benzene	ND	0.0250	1	[06/20/22	06/20/22	
Ethylbenzene	ND	0.0250	1	l	06/20/22	06/20/22	
Toluene	ND	0.0250	1	l	06/20/22	06/20/22	
o-Xylene	0.0990	0.0250	1	l	06/20/22	06/20/22	
p,m-Xylene	0.0545	0.0500	1	l	06/20/22	06/20/22	
Total Xylenes	0.154	0.0250	1	l	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		105 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		105 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2226004
Diesel Range Organics (C10-C28)	3790	25.0	1	[06/20/22	06/21/22	
Oil Range Organics (C28-C36)	1140	50.0	1	[06/20/22	06/21/22	
Surrogate: n-Nonane		104 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226010
Chloride	363	20.0	1		06/20/22	06/20/22	



Sample Data

PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/2022 3:53:15PM

SP3 - Surf BTY

E206144-03

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2226002
Benzene	ND	0.0250	1		06/20/22	06/20/22	
Ethylbenzene	ND	0.0250	1		06/20/22	06/20/22	
Toluene	ND	0.0250	1		06/20/22	06/20/22	
o-Xylene	ND	0.0250	1		06/20/22	06/20/22	
p,m-Xylene	ND	0.0500	1		06/20/22	06/20/22	
Total Xylenes	ND	0.0250	1		06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		105 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2226002
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		105 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JI	L		Batch: 2226004
Diesel Range Organics (C10-C28)	88.4	25.0	1		06/20/22	06/21/22	
Oil Range Organics (C28-C36)	64.9	50.0	1		06/20/22	06/21/22	
Surrogate: n-Nonane		98.5 %	50-200		06/20/22	06/21/22	
				. 1 . 77	T		D . 1 2226010
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: K	.L		Batch: 2226010



PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/20223:53:15PM

SP4 - Surf BTY

E206144-04

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analys	t: IY		Batch: 2226002
Benzene	ND	0.250	10	06/20/22	06/20/22	
Ethylbenzene	0.950	0.250	10	06/20/22	06/20/22	
Toluene	0.875	0.250	10	06/20/22	06/20/22	
o-Xylene	4.43	0.250	10	06/20/22	06/20/22	
p,m-Xylene	5.11	0.500	10	06/20/22	06/20/22	
Total Xylenes	9.53	0.250	10	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		104 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	229	200	10	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		104 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2226004
Diesel Range Organics (C10-C28)	16700	250	10	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	5910	500	10	06/20/22	06/21/22	
Surrogate: n-Nonane		154 %	50-200	06/20/22	06/21/22	
	7	/1	Analys	+· VI		Batch: 2226010
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Allarys	t. KL		Batcii. 2220010



PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/20223:53:15PM

SP5 - Surf BTY

E206144-05

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2226002
Benzene	0.0290	0.0250	1	1	06/20/22	06/20/22	
Ethylbenzene	ND	0.0250	1	1	06/20/22	06/20/22	
Toluene	0.0405	0.0250	1	1	06/20/22	06/20/22	
o-Xylene	ND	0.0250	1	1	06/20/22	06/20/22	
p,m-Xylene	ND	0.0500	1	1	06/20/22	06/20/22	
Total Xylenes	ND	0.0250	1	1	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		97.3 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		103 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		97.3 %	70-130		06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		06/20/22	06/20/22	
Surrogate: Toluene-d8		103 %	70-130		06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2226004
Diesel Range Organics (C10-C28)	64.7	25.0	1	1	06/20/22	06/21/22	-
Oil Range Organics (C28-C36)	77.5	50.0	1	1	06/20/22	06/21/22	
Surrogate: n-Nonane		94.3 %	50-200		06/20/22	06/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2226010
Chloride	249	20.0	1	1	06/20/22	06/20/22	



PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/2022 3:53:15PM

SP6 - Surf BTY

E206144-06

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226002
Benzene	5.88	0.250	10	06/20/22	06/20/22	
Ethylbenzene	6.36	0.250	10	06/20/22	06/20/22	
Toluene	19.6	0.250	10	06/20/22	06/20/22	
o-Xylene	13.0	0.250	10	06/20/22	06/20/22	
p,m-Xylene	25.7	0.500	10	06/20/22	06/20/22	
Total Xylenes	38.8	0.250	10	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		105 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	491	200	10	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		105 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2226004
Diesel Range Organics (C10-C28)	8410	25.0	1	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	2070	50.0	1	06/20/22	06/21/22	
Surrogate: n-Nonane		88.0 %	50-200	06/20/22	06/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226010
11110113 by E111 500:0/703011						



PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/20223:53:15PM

SP1 - Surf Sep E206144-07

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226002
Benzene	0.0430	0.0250	1	06/20/22	06/20/22	
Ethylbenzene	1.02	0.0250	1	06/20/22	06/20/22	
Toluene	0.649	0.0250	1	06/20/22	06/20/22	
o-Xylene	14.4	0.250	10	06/20/22	06/21/22	
p,m-Xylene	16.5	0.500	10	06/20/22	06/21/22	
Total Xylenes	30.9	0.250	10	06/20/22	06/21/22	
Surrogate: Bromofluorobenzene		72.0 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		125 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	446	20.0	1	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		72.0 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		125 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2226004
Diesel Range Organics (C10-C28)	20800	250	10	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	4460	500	10	06/20/22	06/21/22	
Surrogate: n-Nonane		348 %	50-200	06/20/22	06/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2226010
Chloride	ND	20.0	1	06/20/22	06/20/22	



PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/2022 3:53:15PM

SP2 - Surf Sep E206144-08

		120011100				
Analyte	Result	Reporting Limit	; Dilutior	n Prepared	Analyzed	Notes
,	mg/kg	mg/kg		alyst: IY	7 11101 / 200	Batch: 2226002
Volatile Organic Compounds by EPA 8260B	6.51	0.250	10	06/20/22	06/22/22	Batch: 2220002
Benzene	19.5	0.250	10	06/20/22	06/22/22	
Ethylbenzene	48.3	0.250	10	06/20/22	06/22/22	
Toluene		0.250	10	06/20/22	06/22/22	
o-Xylene	46.9		10	06/20/22	06/22/22	
p,m-Xylene	79.1	0.500	10	06/20/22	06/22/22	
Total Xylenes	126	0.250	10	00/20/22	00/22/22	
Surrogate: Bromofluorobenzene		104 %	70-130	06/20/22	06/22/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	06/20/22	06/22/22	
Surrogate: Toluene-d8		105 %	70-130	06/20/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	1320	200	10	06/20/22	06/22/22	
Surrogate: Bromofluorobenzene		104 %	70-130	06/20/22	06/22/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	06/20/22	06/22/22	
Surrogate: Toluene-d8		105 %	70-130	06/20/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2226004
Diesel Range Organics (C10-C28)	37200	250	10	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	7940	500	10	06/20/22	06/21/22	
Surrogate: n-Nonane		180 %	50-200	06/20/22	06/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2226010
Chloride	1420	20.0	1	06/20/22	06/20/22	



PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/20223:53:15PM

SP3 - Surf Sep E206144-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	Dilution	Frepared	Allalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2226002
Benzene	0.0390	0.0250	1	06/20/22	06/20/22	
Ethylbenzene	0.172	0.0250	1	06/20/22	06/20/22	
Toluene	0.326	0.0250	1	06/20/22	06/20/22	
o-Xylene	0.612	0.0250	1	06/20/22	06/20/22	
p,m-Xylene	0.842	0.0500	1	06/20/22	06/20/22	
Total Xylenes	1.45	0.0250	1	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		101 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		98.5 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	26.2	20.0	1	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		101 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		98.5 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2226004
Diesel Range Organics (C10-C28)	10800	500	20	06/20/22	06/21/22	_
Oil Range Organics (C28-C36)	6010	1000	20	06/20/22	06/21/22	
Surrogate: n-Nonane		114 %	50-200	06/20/22	06/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2226010
Chloride	1500	20.0	1	06/20/22	06/20/22	



PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/22/20223:53:15PM

SP4 - Surf Sep E206144-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analys	t: IY		Batch: 2226002
Benzene	ND	0.250	10	06/20/22	06/20/22	
Ethylbenzene	0.330	0.250	10	06/20/22	06/20/22	
Toluene	0.435	0.250	10	06/20/22	06/20/22	
o-Xylene	1.23	0.250	10	06/20/22	06/20/22	
p,m-Xylene	1.03	0.500	10	06/20/22	06/20/22	
Total Xylenes	2.26	0.250	10	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		93.9 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2226002
Gasoline Range Organics (C6-C10)	ND	200	10	06/20/22	06/20/22	
Surrogate: Bromofluorobenzene		100 %	70-130	06/20/22	06/20/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	06/20/22	06/20/22	
Surrogate: Toluene-d8		93.9 %	70-130	06/20/22	06/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2226004
Diesel Range Organics (C10-C28)	25700	2500	100	06/20/22	06/21/22	
Oil Range Organics (C28-C36)	7620	5000	100	06/20/22	06/21/22	
Surrogate: n-Nonane		144 %	50-200	06/20/22	06/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2226010
Chloride	ND	20.0	1	06/20/22	06/20/22	



PittsProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden6/22/2022 3:53:15PM

Midland TX, 79707		Project Manager:	Na	atalie Gladden				6/2	22/2022 3:53:15PM
	,	Volatile Organic	Compor	unds by EPA	A 8260I	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226002-BLK1)							Prepared: 00	6/20/22 Anal	yzed: 06/20/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			
LCS (2226002-BS1)							Prepared: 00	6/20/22 Anal	yzed: 06/20/22
Benzene	2.43	0.0250	2.50		97.3	70-130			
Ethylbenzene	2.40	0.0250	2.50		96.0	70-130			
Toluene	2.38	0.0250	2.50		95.1	70-130			
-Xylene	2.49	0.0250	2.50		99.5	70-130			
o,m-Xylene	4.87	0.0500	5.00		97.4	70-130			
Total Xylenes	7.36	0.0250	7.50		98.1	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			
LCS Dup (2226002-BSD1)							Prepared: 00	6/20/22 Anal	yzed: 06/20/22
Benzene	2.37	0.0250	2.50		94.9	70-130	2.58	23	
Ethylbenzene	2.37	0.0250	2.50		94.7	70-130	1.32	27	
Foluene	2.34	0.0250	2.50		93.7	70-130	1.50	24	
o-Xylene	2.46	0.0250	2.50		98.3	70-130	1.27	27	
o,m-Xylene	4.79	0.0500	5.00		95.9	70-130	1.59	27	
Total Xylenes	7.25	0.0250	7.50		96.7	70-130	1.49	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			

0.500

0.500

100

70-130



Surrogate: Toluene-d8

PittsProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden6/22/2022 3:53:15PM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2226002-BLK1)						Prepared: 00	5/20/22 Analyzed	: 06/20/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.514		0.500	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500	103	70-130			
Surrogate: Toluene-d8	0.479		0.500	95.7	70-130			
LCS (2226002-BS2)						Prepared: 0	5/20/22 Analyzed	: 06/20/22
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	96.3	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500	99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.1	70-130			
Surrogate: Toluene-d8	0.498		0.500	99.6	70-130			
LCS Dup (2226002-BSD2)						Prepared: 0	5/20/22 Analyzed	: 06/20/22
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	93.2	70-130	3.21	20	
Surrogate: Bromofluorobenzene	0.506		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500	97.6	70-130			
Surrogate: Toluene-d8	0.494		0.500	98.8	70-130			



Pitts	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	6/22/2022 3:53:15PM

Midland TX, 79707		Project Manager	r: Na	talie Gladder	1				6/22/2022 3:53:15PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2226004-BLK1)							Prepared: 0	6/20/22 A	nalyzed: 06/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.1		50.0		84.3	50-200			
LCS (2226004-BS1)							Prepared: 0	6/20/22 A	nalyzed: 06/20/22
Diesel Range Organics (C10-C28)	492	25.0	500		98.4	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			
Matrix Spike (2226004-MS1)				Source:	E206143-	06	Prepared: 0	6/20/22 A	nalyzed: 06/20/22
Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.7	38-132			
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			
Matrix Spike Dup (2226004-MSD1)				Source:	E206143-	06	Prepared: 0	6/20/22 A	nalyzed: 06/20/22
Diesel Range Organics (C10-C28)	494	25.0	500	ND	98.9	38-132	1.22	20	
Surrogate: n-Nonane	49.4		50.0		98.7	50-200			



Pitts		Project Name:	F	ederal 54 Well	#1				Re	eported:
3313 Caldera Blvd		Project Number:	2	0046-0001						
Midland TX, 79707		Project Manager:	N	latalie Gladden					6/22/202	2 3:53:15PM
		Anions l	by EPA	300.0/9056 <i>A</i>					Analy	vst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%		Notes
Blank (2226010-BLK1)							Prepared: 0	6/20/22	Analyzed:	06/20/22
Chloride	ND	20.0								
LCS (2226010-BS1)							Prepared: 0	6/20/22	Analyzed:	06/20/22
Chloride	253	20.0	250		101	90-110				
Matrix Spike (2226010-MS1)				Source:	E206144-0	01	Prepared: 0	6/20/22	Analyzed:	06/20/22
Chloride	3520	40.0	250	3520	1.50	80-120				M4
Matrix Spike Dup (2226010-MSD1)				Source:	E206144-0	01	Prepared: 0	6/20/22	Analyzed:	06/20/22
Chloride	3490	40.0	250	3520	NR	80-120	1.00	20		M4

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts	Project Name:	Federal 54 Well #1	
l	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	06/22/22 15:53

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



client:	Pitts					Bill To				L	ab U	se Or	nly		T		TA	T	EPA P	rogram
	Anager:	59 W	11 11			Attention: 455	1.0.	Lab	000	#	1	Job	Nun	ber	1D	2D	3D	Standard	CWA	SDWA
Address:					1	Address: 2724 NW Contactive, State, Zip Hobbs, NM 8	9340	E	204	140		all	44	0-000/	_	X				
City, Stat					F	Phone: 575-390-6397	B 00-10					Analy	ysis a	nd Metho	d	1	î			RCRA
hone:						mail: Natolic Coloylelen		rð.	ısı										Ct-t-	
<u>mail:</u>					10.3	10 10 10 00 0000		/ 801	/801	-	_		o.			1 4		NMI CC	State O UT AZ	TX
Report d	ue by:		,					(O b)	(q O)	802	8260	0100	300		Σ×	7		X	OI AZ	1^
Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			Remarks	
12 0	6-16	5	1	5P1-5											X					
	(((592-5	fruct	BTY	2								1					
				593-5			3													
				594-5	fruc	BTY	4								1					
)	595-5	free	374	5					H			1			-1-1-		
				596-5	fruct	BTY	6				-1									
				501-5	In	Sep	7								1					
				392-	Surf	Sep	8								1					
				5P1-5 5P2-6 5P3- 5P4-	SUR	× Sep	9								1		+			
		l	(5P4-	222	500	10)					
Addition	al Instruc	ions:																		
I, (field samp	oler), attest to	the validity	and authent	icity of this sample	e. I am awa	re that tampering with or intentionally mislabe n. <u>Sampled by: Owe) Ca</u>	ling the sample	locatio	on,		/	Sample:	s requi	ring thermal pr	eservat	ion mus	t be rece	ived on ice the day C on subsequent da	they are sample	d or received
Relinquish	ed by: (Signa	ture)	Date	0-16-97 Tim	ie	Received by: (Signature)	Gate 17-	2	Tipae	2	1			on ice:	La	b Us	e Only		уз.	
Relinquish	by: (Sign	HV)		-17-00 Tim	4:15	Received by (Signature)	Date Colzal	77	Time 8.	15	_	T1	ivea	on ice:	TO	7 N				
Relinguish	ed by: (Signa	ture)	Date			Received by: (Signature)	Date		Time						12			<u>T3</u>	-	
Sample Mat	rix: S - Soil, Sd	- Solid, Sg -	Sludge, A - A	queous, O - Other			Container	Type	· p - p	lass	n - no	ly/pla	etic	p°C 5	ralac	r 11	VOA			
Note: Sam	ples are disc	arded 30 d	ays after re	sults are reporte	ed unless	other arrangements are made. Hazardous	samples will	oe retu	urned	to clie	ent or	dispos	sed of	at the clier	t expe	ense.	The rea	port for the ana	lysis of the	hous

tor disposed of at the client expense. The report for the analysis of the above or on the report.

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samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Printed: 6/20/2022 12:09:49PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts	Date Received:	06/20/22 08:1	5	Work Orde	er ID:	E206144
Phone:	-	Date Logged In:	06/20/22 08:3	5	Logged In	By:	Caitlin Christian
Email:		Due Date:	06/21/22 17:0	0 (1 day TAT)			
Chain of	Custody (COC)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: U	<u>PS</u>		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	No				
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Cor</u>	nmen	uts/Resolution
	Furn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and	proj	ect manager not
Sample (•		140		provided on COC.		
	sample cooler received?		Yes		provided on coc.		
	was cooler received in good condition?		Yes				
	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	s, were custody/security seals intact?		No				
•	• •	ia 6°±2°C	NA Van				
	ne sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample (<u>Container</u>	_					
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contai	ners collected?	Yes				
Field La	<u>bel</u>						
	field sample labels filled out with the minimum info	ormation:					
	Sample ID?		Yes				
	Date/Time Collected? Collectors name?		No No	_			
	Preservation		No				
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved n	netals?	No				
Multinhs	ase Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	s, does the COC specify which phase(s) is to be analy		NA				
		,	1 1/2 1				
	ract Laboratory		No				
	amples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and i	-		bcontract Lab	. no		
		1 30 WIIO:	IVA Su	ocontract Lab	. па		
Client I	<u>nstruction</u>						
							0

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Natalie Gladden





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts

Project Name: Federal 54 Well #1

Work Order: E206164

Job Number: 20046-0001

Received: 6/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/24/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 6/24/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E206164

Date Received: 6/23/2022 10:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/23/2022 10:15:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Pitts	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	Reporteu:
Midland TX, 79707	Project Manager:	Natalie Gladden	06/24/22 17:08
	3313 Caldera Blvd	3313 Caldera Blvd Project Number:	3313 Caldera Blvd Project Number: 20046-0001

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP1 - 4' - BTY	E206164-01A Soil	06/21/22	06/23/22	Glass Jar, 4 oz.
SP3 - 2' - BTY	E206164-02A Soil	06/21/22	06/23/22	Glass Jar, 4 oz.
SP4 - 10' - BTY	E206164-03A Soil	06/21/22	06/23/22	Glass Jar, 4 oz.



Pitts	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	6/24/2022 5:08:42PM

SP1 - 4' - BTY

E206164-01

		L200104-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2226077
Benzene	ND	0.0250		1	06/23/22	06/23/22	Batch. 2220077
Ethylbenzene	ND	0.0250		1	06/23/22	06/23/22	
Toluene	ND	0.0250		1	06/23/22	06/23/22	
o-Xylene	ND	0.0250		1	06/23/22	06/23/22	
p,m-Xylene	ND	0.0500		1	06/23/22	06/23/22	
Total Xylenes	ND	0.0250		1	06/23/22	06/23/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		06/23/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/23/22	06/23/22	
Surrogate: Toluene-d8		95.6 %	70-130		06/23/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2226077
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/23/22	06/23/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		06/23/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		06/23/22	06/23/22	
Surrogate: Toluene-d8		95.6 %	70-130		06/23/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2226080
Diesel Range Organics (C10-C28)	222	50.0	_	2	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	180	100		2	06/23/22	06/24/22	
Surrogate: n-Nonane		125 %	50-200		06/23/22	06/24/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: KL		Batch: 2226075
Chloride	104	20.0		1	06/23/22	06/24/22	



Pitts	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	6/24/2022 5:08:42PM

SP3 - 2' - BTY

E206164-02 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2226077 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 06/23/22 06/23/22 ND 0.0250 Benzene 1 06/23/22 06/23/22 Ethylbenzene ND 0.0250ND 0.0250 06/23/22 06/23/22 Toluene 1 06/23/22 06/23/22 o-Xylene ND 0.025006/23/22 06/23/22 ND 0.0500 1 p,m-Xylene 06/23/22 06/23/22 1 Total Xylenes ND 0.0250 06/23/22 06/23/22 Surrogate: Bromofluorobenzene 94.7 % 70-130 Surrogate: 1,2-Dichloroethane-d4 98.3 % 70-130 06/23/22 06/23/22 Surrogate: Toluene-d8 95.7% 70-130 06/23/22 06/23/22 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2226077 ND 1 06/23/22 06/23/22 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 94.7 % 06/23/22 06/23/22 70-130 06/23/22 06/23/22 Surrogate: 1,2-Dichloroethane-d4 98.3 % 70-130 Surrogate: Toluene-d8 06/23/22 06/23/22 95.7 % 70-130 mg/kg Analyst: JL Batch: 2226080 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 2 06/23/22 06/24/22 182 50.0 Diesel Range Organics (C10-C28) 177 100 2 06/23/22 06/24/22 Oil Range Organics (C28-C36) 122 % 06/23/22 06/24/22 Surrogate: n-Nonane 50-200

mg/kg

20.0

Analyst: KL

06/23/22

06/24/22

1

mg/kg

21.9



Batch: 2226075

Anions by EPA 300.0/9056A

Chloride

PittsProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden6/24/20225:08:42PM

SP4 - 10' - BTY

E206164-03

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2226077
Benzene	ND	0.0250	1		06/23/22	06/23/22	
Ethylbenzene	ND	0.0250	1		06/23/22	06/23/22	
Toluene	ND	0.0250	1		06/23/22	06/23/22	
o-Xylene	ND	0.0250	1		06/23/22	06/23/22	
p,m-Xylene	ND	0.0500	1		06/23/22	06/23/22	
Total Xylenes	ND	0.0250	1		06/23/22	06/23/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		06/23/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/23/22	06/23/22	
Surrogate: Toluene-d8		95.7 %	70-130		06/23/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2226077
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/23/22	06/23/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		06/23/22	06/23/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		06/23/22	06/23/22	
Surrogate: Toluene-d8		95.7 %	70-130		06/23/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2226080
Diesel Range Organics (C10-C28)	34.7	25.0	1		06/23/22	06/24/22	_
Oil Range Organics (C28-C36)	ND	50.0	1		06/23/22	06/24/22	
Surrogate: n-Nonane		105 %	50-200		06/23/22	06/24/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: K	L		Batch: 2226075



PittsProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden6/24/2022 5:08:42PM

Midland TX, 79707		Project Manager		atalie Gladden				6/2	4/2022 5:08:42PM
,	V	olatile Organi			 A 82601	 B			Analyst: IY
		Reporting	Spike	Source		Rec		RPD	Allalyst. 11
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226077-BLK1)							Prepared: 0	6/23/22 Anal	yzed: 06/24/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			
LCS (2226077-BS1)							Prepared: 00	6/23/22 Anal	yzed: 06/24/22
Benzene	2.28	0.0250	2.50		91.3	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130			
Toluene	2.25	0.0250	2.50		90.1	70-130			
o-Xylene	2.38	0.0250	2.50		95.2	70-130			
o,m-Xylene	4.63	0.0500	5.00		92.6	70-130			
Total Xylenes	7.01	0.0250	7.50		93.4	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			
LCS Dup (2226077-BSD1)							Prepared: 00	6/23/22 Anal	yzed: 06/24/22
Benzene	2.31	0.0250	2.50		92.3	70-130	1.02	23	
Ethylbenzene	2.31	0.0250	2.50		92.5	70-130	1.17	27	
Toluene	2.28	0.0250	2.50		91.0	70-130	1.06	24	
o-Xylene	2.40	0.0250	2.50		95.9	70-130	0.753	27	
p,m-Xylene	4.67	0.0500	5.00		93.5	70-130	0.989	27	
Total Xylenes	7.07	0.0250	7.50		94.3	70-130	0.909	27	
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			

0.500

100

70-130



Surrogate: Toluene-d8

0.500

PittsProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden6/24/20225:08:42PM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2226077-BLK1)						Prepared: 06	5/23/22 Anal	yzed: 06/24/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.485		0.500	96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500	104	70-130			
Surrogate: Toluene-d8	0.480		0.500	95.9	70-130			
LCS (2226077-BS2)						Prepared: 06	5/23/22 Anal	yzed: 06/24/22
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	93.6	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500	96.8	70-130			
Surrogate: Toluene-d8	0.501		0.500	100	70-130			
LCS Dup (2226077-BSD2)						Prepared: 06	5/23/22 Anal	yzed: 06/24/22
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	97.9	70-130	4.50	20	
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500	98.8	70-130			
Surrogate: Toluene-d8	0.503		0.500	101	70-130			



Pitts	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	6/24/2022 5:08:42PM

Midland TX, 79707		Project Manage	r: Na	talie Gladder	ı				6/24/2022 5:08:42PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2226080-BLK1)							Prepared: 0	6/23/22 A	nalyzed: 06/23/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			
LCS (2226080-BS1)							Prepared: 0	6/23/22 A	nalyzed: 06/23/22
Diesel Range Organics (C10-C28)	518	25.0	500		104	38-132			
urrogate: n-Nonane	45.7		50.0		91.5	50-200			
Matrix Spike (2226080-MS1)				Source:	E206167-	08	Prepared: 0	6/23/22 A	nalyzed: 06/23/22
Diesel Range Organics (C10-C28)	508	25.0	500	ND	102	38-132			
Surrogate: n-Nonane	48.8		50.0		97.6	50-200			
Matrix Spike Dup (2226080-MSD1)				Source:	E206167-	08	Prepared: 0	6/23/22 A	nalyzed: 06/23/22
Diesel Range Organics (C10-C28)	538	25.0	500	ND	108	38-132	5.74	20	
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Pitts 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well 0046-0001	#1				Reported:
Midland TX, 79707	, and a second								6/24/2022 5:08:42PM
		Analyst: KL							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2226075-BLK1)							Prepared: 0	6/23/22 A	analyzed: 06/24/22
Chloride	ND	20.0							
LCS (2226075-BS1)							Prepared: 0	6/23/22 A	analyzed: 06/24/22
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2226075-MS1)				Source:	E206164-0	01	Prepared: 0	6/23/22 A	analyzed: 06/24/22
Chloride	356	20.0	250	104	101	80-120			
Matrix Spike Dup (2226075-MSD1) Source: E206164-01 Prepare									analyzed: 06/24/22
Chloride	361	20.0	250	104	103	80-120	1.32	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts	Project Name:	Federal 54 Well #1	
l	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	06/24/22 17:08

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



EPA	Pr	ogra	m
CWA			WA
		RC	RA
State	-		-
JT A	Z	TX	

Client:	Ctfig	SII (.)	IN IN		C 64 Bill To		ř		L	ab Us	se On	ly				Т	AT		EPA P	rogram
Project N	lanager:	39 W	OUI HI		Attention: \$55 Address: 2724 NW Co	ounty Wel	Lab Fá	200 WO#	oll	04	A dol	Numb	er -ax	1	2D	3D	Sta	andard	CWA	SDWA
Address: Sity, Stat	e 7in				City, State, Zip Habbs, NM Phone: 575-340-636	0							d Meth		10					RCRA
hone:	e, zip				Email: Mutalie (aladi	10.0	10	10											61.1	
mail:					Trian. Jeanne Criadi	WO!	y 801	/ 801	н			0.0					1	NMI CO	State UT AZ	TxT
Report d			T and				RO b	RO by	y 802	8260	6010	e 300	- 1	N N				×	0, 7,12	TA .
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		RGDOC	BGDOC				Remarks	
12 PM	6-21	5	1	5P1-	4'-1374	1								X						
	(((503-	J'- BTY	2								(
	1)	L	5P4-	10'- 1874	3								1						
									9											
						-12-7														
Addition	al Instruc	tions:			-							-				1				
date or time	of collection	is considere	and authent d fraud and r	icity of this sample. may be grounds for I	I am aware that tampering with or intentionally misl legal action. • Sampled by: Cared	labelling the sample	location	on,	_	5	Samples packed i	requiri n ice at	ng therma	presen	ation m	ust be re-	ceived or 6°C on su	ice the day the	ney are sample	d or received
	ed by: (Sign		Date	-21-22 Time	Received by: (Signature)	Date G-De		Time!	30	7	Recei	ived	on ice:		Lab U	se On	ıly			
JULY	ed by: (Sign		Date	70	100000	6 6 a 3	2	Time 10	15		T1			<u>T2</u>				ГЗ		
					Received by: (Signature)	Date		Time			AVG	Temp	o°C	4						
Sample Mat	rix: S - Soil, S	d - Solid, Sg -	Sludge, A - A	queous, O - Other _		Container	Туре	: g - g	glass,	n - no	dy/nla	ctic :	a - aml	or al	ass, v	- VOA				
samples is	applicable of	only to thos	e samples r	eceived by the lat	unless other arrangements are made. Hazard poratory with this COC. The liability of the labor	dous samples will l ratory is limited to	be ret the a	urned moun	to clic t paid	ent or for or	dispos the re	ed of a	at the cli	ent ex	pense	The	eport f	or the anal	ysis of the a	bove

Printed: 6/23/2022 12:01:45PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts	Date Received:	06/23/22 10:1	15		Work Order ID:	E206164
Phone:	(432) 425-8235	Date Logged In:	06/23/22 08:3	31		Logged In By:	Caitlin Christian
Email:		Due Date:		00 (1 day TAT)		88	
	Custody (COC)						
	ne sample ID match the COC? The number of samples per sampling site location mat	ch the COC	Yes				
		ch the COC	Yes				
	amples dropped off by client or carrier? e COC complete, i.e., signatures, dates/times, reques	stad analysas?	Yes No	Carrier: <u>U</u>	<u>JPS</u>		
	Il samples received within holding time?	sied analyses:	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	103	1		Comment	s/Resolution
	COC is discovered and TAT on Founding TATE		37		Time sam	nled and proje	ect manager not
	COC indicate standard TAT, or Expedited TAT?		Yes		provided of		ot manager not
Sample C			Vac		provided (on COC.	
	sample cooler received? was cooler received in good condition?		Yes				
•	•		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C			<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers.)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
D	ate/Time Collected?		No				
C	ollectors name?		No				
	reservation						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	ry?	No				
	subcontract laboratory specified by the client and if	-	NA Sı	ubcontract Lab	o: na		
	struction						
<u>Chefit II</u>	isti uction						

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Natalie Gladden







5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207069

Job Number: 20046-0001

Received: 7/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/15/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/15/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207069

Date Received: 7/14/2022 2:30:00PM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/14/2022 2:30:00PM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

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labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

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West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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Sample Summary

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
1	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
	Midland TX, 79707	Project Manager:	Natalie Gladden	07/15/22 14:24

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP6 - 12' - Seperator	E207069-01A Soil	07/12/22	07/14/22	Glass Jar, 4 oz.
SP7 - 8 - Battery	E207069-02A Soil	07/12/22	07/14/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/15/2022 2:24:40PM

SP6 - 12' - Seperator E207069-01

		E207069-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analy	st: RKS		Batch: 2229067
Benzene	ND	0.0250	1	07/14/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/14/22	07/15/22	
Toluene	ND	0.0250	1	07/14/22	07/15/22	
o-Xylene	ND	0.0250	1	07/14/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/14/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/14/22	07/15/22	
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	07/14/22	07/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/22	07/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.0 %	70-130	07/14/22	07/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2229070
Diesel Range Organics (C10-C28)	467	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	282	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane		120 %	50-200	07/14/22	07/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2229069
Chloride	583	20.0	1	07/14/22	07/15/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/15/2022 2:24:40PM

SP7 - 8 - Battery

E207069-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2229067
Benzene	ND	0.0250	1	07/14/22	07/15/22	
Ethylbenzene	ND	0.0250	1	07/14/22	07/15/22	
Toluene	ND	0.0250	1	07/14/22	07/15/22	
o-Xylene	ND	0.0250	1	07/14/22	07/15/22	
p,m-Xylene	ND	0.0500	1	07/14/22	07/15/22	
Total Xylenes	ND	0.0250	1	07/14/22	07/15/22	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	07/14/22	07/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2229067
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/14/22	07/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.2 %	70-130	07/14/22	07/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: JL		Batch: 2229070
Diesel Range Organics (C10-C28)	ND	25.0	1	07/14/22	07/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/14/22	07/15/22	
Surrogate: n-Nonane		97.0 %	50-200	07/14/22	07/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2229069
				07/14/22	07/15/22	



Pitts Energy 3313 Caldera Blvd		Project Name: Federal 54 Project Number: 20046-000 Project Manager: Natalie Gla			#1				Reported:
Midland TX, 79707					ı			7/15/2022 2:24:40PM	
		Volatile (Organics	by EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2229067-BLK1)							Prepared: 0'	7/14/22 Ana	yzed: 07/15/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			
LCS (2229067-BS1)							Prepared: 0'	7/14/22 Ana	yzed: 07/15/22
Benzene	4.29	0.0250	5.00		85.8	70-130			
Ethylbenzene	3.89	0.0250	5.00		77.8	70-130			
Toluene	4.16	0.0250	5.00		83.1	70-130			
o-Xylene	4.17	0.0250	5.00		83.4	70-130			
p,m-Xylene	8.04	0.0500	10.0		80.4	70-130			
Total Xylenes	12.2	0.0250	15.0		81.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			
LCS Dup (2229067-BSD1)							Prepared: 0'	7/14/22 Ana	yzed: 07/15/22
Benzene	4.54	0.0250	5.00		90.7	70-130	5.52	20	
Ethylbenzene	4.09	0.0250	5.00		81.7	70-130	4.95	20	
Toluene	4.38	0.0250	5.00		87.7	70-130	5.31	20	
o-Xylene	4.40	0.0250	5.00		87.9	70-130	5.23	20	
p,m-Xylene	8.43	0.0500	10.0		84.3	70-130	4.81	20	
Total Xylenes	12.8	0.0250	15.0		85.5	70-130	4.95	20	
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

LCS Dup (2229067-BSD2)

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

43.4

7.37

20.0

QC Summary Data

Pitts Energy 3313 Caldera Blvd	Project Name: Project Number:	Federal 54 Well #1 20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/15/2022 2:24:40PM

Midland TX, 79707		Project Manage	r: Na	italie Gladder	1			7/	15/2022 2:24:40PM	
	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2229067-BLK1)]	Prepared: 0	7/14/22 Ana	lyzed: 07/15/22	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130				
LCS (2229067-BS2)							Prepared: 0	7/14/22 Ana	lyzed: 07/15/22	
Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.1	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130				

Prepared: 07/14/22 Analyzed: 07/15/22

70-130

70-130

92.1

QC Summary Data

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	7/15/2022 2:24:40PM

Midland TX, 79707		Project Manage	r: Na	ntalie Gladder	ı				7/15/2022 2:24:40PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2229070-BLK1)							Prepared: 0	7/14/22 A	analyzed: 07/14/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.9		50.0		102	50-200			
LCS (2229070-BS1)							Prepared: 0	7/14/22 A	analyzed: 07/14/22
Diesel Range Organics (C10-C28)	478	25.0	500		95.6	38-132			
Surrogate: n-Nonane	51.6		50.0		103	50-200			
Matrix Spike (2229070-MS1)				Source:	E207068-	04	Prepared: 0	7/14/22 A	analyzed: 07/14/22
Diesel Range Organics (C10-C28)	498	25.0	500	48.5	89.9	38-132			
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			
Matrix Spike Dup (2229070-MSD1)				Source:	E207068-	04	Prepared: 0	7/14/22 A	analyzed: 07/14/22
Diesel Range Organics (C10-C28)	497	25.0	500	48.5	89.6	38-132	0.260	20	
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			



QC Summary Data

Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:	20	ederal 54 Well 0046-0001					Reported:
Midland TX, 79707		Project Manager	:: N	atalie Gladden	1				7/15/2022 2:24:40PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2229069-BLK1)							Prepared: 07	7/14/22 A	analyzed: 07/15/22
Chloride	ND	20.0							
LCS (2229069-BS1)							Prepared: 07	7/14/22 A	analyzed: 07/15/22
Chloride	253	20.0	250		101	90-110			
LCS Dup (2229069-BSD1)							Prepared: 07	7/14/22 A	analyzed: 07/15/22
Chloride	253	20.0	250		101	90-110	0.198	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	07/15/22 14:24

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



	1
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	of 504

lient:	Pitts	Ener	94		Bill To				La	ab Us	se On	ly				TAT		EPA P	rogram
oject:	ederal	54	Wal	#[Attention: Es5		Lab	WO#		0		Numbe		1D	2D 3	Ð	Standard	CWA	SDWA
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ity, Stat					Phone: \$75 390 6	307					Analy	sis and	l Metho	d T			-		RCRA
hone:	.c, 2.p				Email: Natalie Glad	do	12	rð.										State	
mail:							y 801	y 801	1	0		0.0		_			NM CO		TX
eport d	ue by:						RO by	RO by	/ 802	826(6010	e 300		ΣŽ	×		/		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	3	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
2.20	7/12	5	1	524-										V					
7.5	5	5	5	SR7.	-8- Battery	2								5					
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Addition	nal Instruc	tions:														1			
			and nuthant	icitu of this sample	e. I am aware tha fampering with or intentionally	antialah alban ahar anasad	. (access	the a			Sample	s rogulrin	a thormal		tion must b		ed on ice the day	Long-	
late or tim	e of collection	is considere	ed fraud and i	may be grounds for	legal action. Sampled by: Tord	on Ponde	1 94	end	en	Por	packed	in ice at a	an avg tem	p above	0 but less th	nan 6°C	on subsequent da	ys.	ed or receive
gara	led by: (Sign	and	u Date	1/12/22) Oly VI Viley 1	733	32	3	50		Rece	eived o	on ice:		ab Use	Only			
elinquist	ed by San	ature)	Date	-13-22 TIP	Received by: (Signature)	Pato 7/14/0	22	Timo	1:30)	T1			T2			Т3		4
Relinquish	ned by: (Sign	ature)	Date	Tim	Received by: (Signature)	Date		Time			AVG	Temn	°c 4	1	Ĭ		575		1
Sample Ma	trix: S - Soil. So	d - Solid. Se	- Sludge. A - A	Aqueous, O - Other		Containe	r Tvn	e: g -	glass	p - n				er ela	ss. v - \/r)A		-	
					ed unless other arrangements are made. Haz												ort for the ana	lucic of the	about

Printed: 7/14/2022 3:58:51PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Ditta	D. D. I. I.	07/14/00 14/	20			770.70.50
Client: Pitts	Date Received:	07/14/22 14:3			Work Order ID:	E207069
Phone: (432) 425-8235	Date Logged In:	07/14/22 08:3			Logged In By:	Caitlin Christian
Email:	Due Date:	07/15/22 17:0	00 (1 day TAT)			
Chain of Custody (COC)						
1. Does the sample ID match the COC?		Yes				
 Does the number of samples per sampling site location may 	atch the COC	Yes				
3. Were samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the COC complete, i.e., signatures, dates/times, reque	ested analyses?	No	Carrier. <u>C</u>	<u>Jourier</u>		
5. Were all samples received within holding time?	ostod diidij sos.	Yes				
Note: Analysis, such as pH which should be conducted		100			C	·/D l4 ¹
i.e, 15 minute hold time, are not included in this disucss	sion.				Comments	s/Resolution
Sample Turn Around Time (TAT)				 Time campl	ad and proja	ct manager not
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes		1		et manager not
Sample Cooler				provided on	COC.	
7. Was a sample cooler received?		Yes				
8. If yes, was cooler received in good condition?		Yes				
9. Was the sample(s) received intact, i.e., not broken?		Yes				
10. Were custody/security seals present?		No				
11. If yes, were custody/security seals intact?		NA				
12. Was the sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling	re received w/i 15	Yes				
13. If no visible ice, record the temperature. Actual sample	e temperature: 4°0	<u>C</u>				
Sample Container		3.7				
14. Are aqueous VOC samples present?		No				
15. Are VOC samples collected in VOA Vials?		NA NA				
16. Is the head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a trip blank (TB) included for VOC analyses?	0	NA				
18. Are non-VOC samples collected in the correct container		Yes				
19. Is the appropriate volume/weight or number of sample conta	iners collected?	Yes				
Field Label	P 4t					
20. Were field sample labels filled out with the minimum in Sample ID?	ютнацоп:	Yes				
Date/Time Collected?		No				
Collectors name?		No				
Sample Preservation						
21. Does the COC or field labels indicate the samples were J	preserved?	No				
22. Are sample(s) correctly preserved?		NA				
24. Is lab filteration required and/or requested for dissolved	metals?	No				
Multiphase Sample Matrix						
26. Does the sample have more than one phase, i.e., multiph	ase?	No				
27. If yes, does the COC specify which phase(s) is to be ana	lyzed?	NA				
Subcontract Laboratory						
28. Are samples required to get sent to a subcontract laborat	orv?	No				
29. Was a subcontract laboratory specified by the client and	-		ubcontract Lab	n' na		
		50	docominact Edo	J. 114		
Client Instruction						

Date

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207074

Job Number: 20046-0001

Received: 7/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/18/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/18/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207074

Date Received: 7/15/2022 10:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/15/2022 10:15:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Pitts Energy	Project Name:	Federal 54 Well #1	Donoutod.
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	07/18/22 19:02

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP5 - Surf - Sep	E207074-01A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP6 - Surf -Sep	E207074-02A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP7 - Surf - Sep	E207074-03A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP8 - Surf - Sep	E207074-04A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP7 - Surf - Bty	E207074-05A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP8 - Surf - Bty	E207074-06A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP9 - Surf - Bty	E207074-07A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP7 - 4' - Sep	E207074-08A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.
SP3 - 6' - Sep	E207074-09A	Soil	07/13/22	07/15/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP5 - Surf - Sep E207074-01

	E20/0/4-01				
Decult		Dilution	Dranarad	Analyzad	Notes
Result	Limit	Dilution	Trepared	Zinaryzed	rotes
mg/kg	mg/kg	Analys	st: RKS		Batch: 2229076
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0500	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
	98.3 %	70-130	07/15/22	07/16/22	
mg/kg	mg/kg	Analys	st: RKS		Batch: 2229076
ND	20.0	1	07/15/22	07/16/22	
	89.8 %	70-130	07/15/22	07/16/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2229073
1200	125	5	07/15/22	07/16/22	
1280	250	5	07/15/22	07/16/22	
	119 %	50-200	07/15/22	07/16/22	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2229057
3710	40.0	2	07/13/22	07/15/22	
	ND ND ND ND ND ND ND ND 1280	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 98.3 % mg/kg mg/kg mg/kg ND 20.0 89.8 % mg/kg 1200 125 1280 250 119 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg Analys ng/kg mg/kg Analys mg/kg mg/kg Analys 1200 125 5 1280 250 5 mg/kg mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0500 1 07/15/22 ND 0.0250 1 07/15/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/22 mg/kg mg/kg Analyst: JL 1200 125 5 07/15/22 1280 250 5 07/15/22 mg/kg mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/15/22 07/16/22 ND 0.0500 1 07/15/22 07/16/22 ND 0.0250 1 07/15/22 07/16/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/22 07/16/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/22 07/16/22 mg/kg mg/kg Analyst: JL 1200 125 5 07/15/22 07/16/22 1280 250 5 07/15/22 07/16/22 mg/kg mg/kg Analyst: RAS 07/16/22



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP6 - Surf -Sep E207074-02

	E207074-02				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
			•		Batch: 2229076
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
0.0310	0.0250	1	07/15/22	07/16/22	
0.0612	0.0250	1	07/15/22	07/16/22	
0.108	0.0500	1	07/15/22	07/16/22	
0.169	0.0250	1	07/15/22	07/16/22	
	102 %	70-130	07/15/22	07/16/22	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2229076
ND	20.0	1	07/15/22	07/16/22	
	90.4 %	70-130	07/15/22	07/16/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2229073
985	50.0	2	07/15/22	07/16/22	_
664	100	2	07/15/22	07/16/22	
	132 %	50-200	07/15/22	07/16/22	
mg/kg	mg/kg	Anal	yst: RAS		Batch: 2229057
344	20.0		07/13/22	07/15/22	
	mg/kg ND ND 0.0310 0.0612 0.108 0.169 mg/kg ND mg/kg AD	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 0.0310 0.0250 0.0612 0.0250 0.169 0.0250 102 % mg/kg MD 20.0 90.4 % mg/kg mg/kg mg/kg 985 50.0 664 100 132 %	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 0.0310 0.0250 1 0.0612 0.0250 1 0.108 0.0500 1 0.169 0.0250 1 mg/kg mg/kg Anal ND 20.0 1 90.4 % 70-130 mg/kg mg/kg Anal 985 50.0 2 664 100 2 132 % 50-200	Reporting Result Limit Dilution Prepared mg/kg Analyst: RKS ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 0.0310 0.0250 1 07/15/22 0.0612 0.0250 1 07/15/22 0.108 0.0500 1 07/15/22 0.169 0.0250 1 07/15/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/22 mg/kg mg/kg Analyst: JL 985 50.0 2 07/15/22 664 100 2 07/15/22 mg/kg mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/15/22 07/16/22 ND 0.0250 1 07/15/22 07/16/22 0.0310 0.0250 1 07/15/22 07/16/22 0.0612 0.0250 1 07/15/22 07/16/22 0.108 0.0500 1 07/15/22 07/16/22 0.169 0.0250 1 07/15/22 07/16/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/22 07/16/22 mg/kg mg/kg Analyst: JL 985 50.0 2 07/15/22 07/16/22 mg/kg mg/kg Analyst: JL 07/15/22 07/16/22 07/16/22 mg/kg mg/kg Analyst: RAS 07/16/22 07/16/22 07/16/22



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP7 - Surf - Sep

		E207074-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2229076
Benzene	ND	0.0250	1	07/15/22	07/16/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/16/22	
Toluene	0.0274	0.0250	1	07/15/22	07/16/22	
o-Xylene	ND	0.0250	1	07/15/22	07/16/22	
o,m-Xylene	ND	0.0500	1	07/15/22	07/16/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/16/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2229076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.3 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2229073
Diesel Range Organics (C10-C28)	493	125	5	07/15/22	07/16/22	
Oil Range Organics (C28-C36)	625	250	5	07/15/22	07/16/22	
Surrogate: n-Nonane		127 %	50-200	07/15/22	07/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2229057
Chloride	213	20.0	1	07/13/22	07/15/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP8 - Surf - Sep

		E207074-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2229076
Benzene	ND	0.0250	1	07/15/22	07/16/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/16/22	
Toluene	ND	0.0250	1	07/15/22	07/16/22	
o-Xylene	0.0452	0.0250	1	07/15/22	07/16/22	
o,m-Xylene	0.0829	0.0500	1	07/15/22	07/16/22	
Total Xylenes	0.128	0.0250	1	07/15/22	07/16/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2229076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2229073
Diesel Range Organics (C10-C28)	400	125	5	07/15/22	07/16/22	
Oil Range Organics (C28-C36)	482	250	5	07/15/22	07/16/22	
Surrogate: n-Nonane		131 %	50-200	07/15/22	07/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2229057
Chloride	195	20.0	1	07/13/22	07/15/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP7 - Surf - Bty

		E207074-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2229076
Benzene	0.0251	0.0250	1	07/15/22	07/16/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/16/22	
Toluene	0.0644	0.0250	1	07/15/22	07/16/22	
p-Xylene	0.785	0.0250	1	07/15/22	07/16/22	
o,m-Xylene	1.24	0.0500	1	07/15/22	07/16/22	
Total Xylenes	2.02	0.0250	1	07/15/22	07/16/22	
Surrogate: 4-Bromochlorobenzene-PID		117 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2229076
Gasoline Range Organics (C6-C10)	47.2	20.0	1	07/15/22	07/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2229073
Diesel Range Organics (C10-C28)	4980	125	5	07/15/22	07/18/22	
Oil Range Organics (C28-C36)	1330	250	5	07/15/22	07/18/22	
Surrogate: n-Nonane		141 %	50-200	07/15/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2229057
Chloride	832	20.0	1	07/13/22	07/15/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP8 - Surf - Bty

		E207074-06				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2229076
Benzene	ND	0.0250	1	07/15/22	07/16/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/16/22	
Toluene	0.0305	0.0250	1	07/15/22	07/16/22	
o-Xylene	0.481	0.0250	1	07/15/22	07/16/22	
p,m-Xylene	0.781	0.0500	1	07/15/22	07/16/22	
Total Xylenes	1.26	0.0250	1	07/15/22	07/16/22	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2229076
Gasoline Range Organics (C6-C10)	29.1	20.0	1	07/15/22	07/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2229073
Diesel Range Organics (C10-C28)	5040	50.0	2	07/15/22	07/18/22	
Oil Range Organics (C28-C36)	1340	100	2	07/15/22	07/18/22	
Surrogate: n-Nonane		150 %	50-200	07/15/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2229057
Chloride	497	20.0	1	07/13/22	07/15/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP9 - Surf - Bty

		E207074-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2229076
Benzene	ND	0.0250	1	07/15/22	07/16/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/16/22	
Toluene	0.0452	0.0250	1	07/15/22	07/16/22	
o-Xylene	0.607	0.0250	1	07/15/22	07/16/22	
p,m-Xylene	0.779	0.0500	1	07/15/22	07/16/22	
Total Xylenes	1.39	0.0250	1	07/15/22	07/16/22	
Surrogate: 4-Bromochlorobenzene-PID		114 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2229076
Gasoline Range Organics (C6-C10)	32.1	20.0	1	07/15/22	07/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	07/15/22	07/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2229073
Diesel Range Organics (C10-C28)	3600	125	5	07/15/22	07/18/22	
Oil Range Organics (C28-C36)	746	250	5	07/15/22	07/18/22	
Surrogate: n-Nonane		118 %	50-200	07/15/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2229057
Chloride	251	20.0	1	07/13/22	07/15/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP7 - 4' - Sep E207074-08

Notes
Notes
Notes
Batch: 2229076
Batch: 2229076
Batch: 2229073
Batch: 2229057
Batch. 2229037
<u>-</u>

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

SP3 - 6' - Sep E207074-09

	E20/0/4-0/				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2229076
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
ND	0.0500	1	07/15/22	07/16/22	
ND	0.0250	1	07/15/22	07/16/22	
	106 %	70-130	07/15/22	07/16/22	
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2229076
ND	20.0	1	07/15/22	07/16/22	
	91.6 %	70-130	07/15/22	07/16/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2229073
ND	25.0	1	07/15/22	07/16/22	
ND	50.0	1	07/15/22	07/16/22	
	109 %	50-200	07/15/22	07/16/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2229057
472	20.0	1	07/13/22	07/15/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IO6 % mg/kg MB/kg mg/kg ND 20.0 91.6 % mg/kg ND 25.0 ND 50.0 109 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 Mg/kg mg/kg Ana ND 20.0 1 91.6 % 70-130 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 109 % 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0500 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/22 mg/kg mg/kg Analyst: JL ND 25.0 1 07/15/22 ND 50.0 1 07/15/22 ND 50.0 1 07/15/22 ND 50.0 1 07/15/22 ND 50.0 1 07/15/22 mg/kg Mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 07/15/22 07/16/22 ND 0.0500 1 07/15/22 07/16/22 ND 0.0250 1 07/15/22 07/16/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 07/15/22 07/16/22 mg/kg mg/kg Analyst: JL ND 25.0 1 07/15/22 07/16/22 ND 25.0 1 07/15/22 07/16/22 ND 50.0 1 07/15/22 07/16/22 ND 50.0 1 07/15/22 07/16/22 ND 50.0 1 07/15/22



QC Summary Data

	-	· ·	
Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM
	Volotile Orga	ming by EDA 9021D	

Midland TX, 79707		Project Manager:	Na	atalie Gladden				7/	18/2022 7:02:37PM	
		Volatile Organics by EPA 8021B						Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2229076-BLK1)							Prepared: 0	7/15/22 Ana	lyzed: 07/17/22	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130				
LCS (2229076-BS1)							Prepared: 0	7/15/22 Ana	lyzed: 07/17/22	
Benzene	5.07	0.0250	5.00		101	70-130				
Ethylbenzene	4.40	0.0250	5.00		87.9	70-130				
Toluene	4.76	0.0250	5.00		95.1	70-130				
-Xylene	4.69	0.0250	5.00		93.8	70-130				
o,m-Xylene	9.09	0.0500	10.0		90.9	70-130				
Total Xylenes	13.8	0.0250	15.0		91.9	70-130				
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130				
LCS Dup (2229076-BSD1)							Prepared: 0	7/15/22 Ana	lyzed: 07/17/22	
Benzene	4.99	0.0250	5.00		99.8	70-130	1.58	20		
Ethylbenzene	4.33	0.0250	5.00		86.7	70-130	1.46	20		
Toluene	4.69	0.0250	5.00		93.7	70-130	1.49	20		
o-Xylene	4.62	0.0250	5.00		92.5	70-130	1.46	20		
o,m-Xylene	8.95	0.0500	10.0		89.5	70-130	1.58	20		
			150		00.5	70-130	1.54	20		
Total Xylenes	13.6	0.0250	15.0		90.5	/0-130	1.54	20		



Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

Midland TX, 79707		Project Number: Project Manager		046-0001 Italie Gladden	l			7/:	18/2022 7:02:37PM
	Non	halogenated (Organics l	by EPA 801	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2229076-BLK1)]	Prepared: 0	7/15/22 Ana	lyzed: 07/17/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
LCS (2229076-BS2)]	Prepared: 0	7/15/22 Ana	lyzed: 07/17/22
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			
LCS Dup (2229076-BSD2)]	Prepared: 0	7/15/22 Ana	lyzed: 07/17/22
Gasoline Range Organics (C6-C10)	45.2	20.0	50.0		90.4	70-130	1.31	20	

70-130

QC Summary Data

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	-
Midland TX, 79707	Project Manager:	Natalie Gladden	7/18/2022 7:02:37PM

Midland TX, 79707		Project Manage	r: N	atalie Gladden	1			,	7/18/2022 7:02:37PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2229073-BLK1)							Prepared: 0	7/15/22 An	nalyzed: 07/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			
LCS (2229073-BS1)							Prepared: 0	7/15/22 An	nalyzed: 07/16/22
Diesel Range Organics (C10-C28)	507	25.0	500		101	38-132			
Surrogate: n-Nonane	52.6		50.0		105	50-200			
Matrix Spike (2229073-MS1)				Source:	E207074-	06	Prepared: 0	7/15/22 An	nalyzed: 07/16/22
Diesel Range Organics (C10-C28)	1430	50.0	500	5040	NR	38-132			M4
Surrogate: n-Nonane	68.5		50.0		137	50-200			
Matrix Spike Dup (2229073-MSD1)				Source:	E207074-	06	Prepared: 0	7/15/22 An	nalyzed: 07/16/22
Diesel Range Organics (C10-C28)	1520	50.0	500	5040	NR	38-132	6.01	20	M4
Surrogate: n-Nonane	67.1		50.0		134	50-200			



QC Summary Data

Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well	#1				Reported:	
Midland TX, 79707		Project Number: Project Manager:		atalie Gladder	ı				7/18/2022 7:02:37P	M
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2229057-BLK1)							Prepared: 0	7/13/22	Analyzed: 07/15/22	
Chloride	ND	20.0								
LCS (2229057-BS1)							Prepared: 0	7/13/22	Analyzed: 07/15/22	
Chloride	252	20.0	250		101	90-110				
Matrix Spike (2229057-MS1)				Source:	E207055-0)1	Prepared: 0	7/13/22	Analyzed: 07/15/22	
Chloride	254	20.0	250	ND	101	80-120				
Matrix Spike Dup (2229057-MSD1)				Source:	E207055-0)1	Prepared: 0	7/13/22	Analyzed: 07/15/22	
Chloride	257	20.0	250	ND	103	80-120	1.25	20		

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Federal 54 Well #1	
l	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	07/18/22 19:02

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



roject Information													
roject Information	Chain of C	Custody										Page	of _
Client: 7.445	Bill To				la I laa (56.		,		TA3	-		
Project: Federal SY Well #1	Attention:		ab WO#		b Use (אוויכ b Num	her	1D	20	TA1	Standar	d CWA	rogram
Project Manager:	Address: 7.724 NW Carrier 3		ab W0#	つフ	4 13	1441	-00/	10	20	اللو	Standan	U CVVA	SDW
Address:	City, State, Zip Wahls nm xx7	iks		<u> </u>	An	alysis a	nd Metho	d					RCR/
City, State, Zip	City, State, Zip Mabbs hm 387 Phone: 575 390 639	7									7		
Phone:	Email: Nextake Gladoe		55 55				1	.				State	
mail:			8 8 6 6	12	9 9	3 8		ξ			NM	O UT AZ	TX
Report due by:			8 8	86	y 82	de 3(1	<u>۲</u>		\sim		Щ.
Time Date Sampled Matrix No. of Containers Sample ID		Lab Number	DRO/ORO by 8015 GRO/DRO by 8015	ВТЕХ ВУ 8021	VOC by 8260	Chloride 300.0		Верос	Seboc.			Remarks	
7113 5 1 575-	5uf-5ep Suf-Sep	1						<u> </u>					
C (SP6-	Surf-Sep	\mathcal{Q}						1					
)	Surf-Sep	3											
(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Suf-Sep	4						17					
5P7	- Surf - Btu	5						1					
) / CPS	-Surf - Btu	0						$ \rangle$					<u> </u>
(\ \ SRQ.	- SOVE - Rtu	7						17					······································
7	- 41 - Sep	8						$ \rangle$					
(SP3	- 10'- SPD	9						I					
	7	to											
Additional Instructions:	7	15/22	cc	ــــــــــــــــــــــــــــــــــــــ	<u> </u>		1		<u> </u>	<u>!</u>	!		
I, (field sampler), attest to the validity and authenticity of this sample.	I am aware that tampering with or intentionally mislabelling	the sample le	ocation,	Z.								day they are sample	led or receiv
date or time of collection is considered fraud and may be grounds for Relinquished by: (Signature) Date T13/22		7-14-6	Time		7			1	lab U	se Onl	°C on subseque y		
Relinquished by: (Signature) The linquished by: (Signature) To present the state of the state	100 Diamental	Pate /2	Time				d on ice:	£2	<u> </u>	1	T 2		
Relinquished by: (Signature) Date Time	, - quille contract	Date	Time					1 <u>2</u> 1			<u>T3</u>		
<u> </u>		Container '					mp °C	7_	-	1400			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other													

Printed: 7/15/2022 10:58:46AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts	Date Received:	07/15/22 10:1	15	Work Order ID:	E207074
Phone:	(432) 425-8235	Date Logged In:	07/15/22 08:2	21	Logged In By:	Caitlin Christian
Email:	(152) 123 6233	Due Date:		00 (1 day TAT)	Logged in By.	Curim Christian
	Custody (COC)			· · · (· · · · · · · · · · · · · · · ·		
1. Does tl	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS	
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	No	_		
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•	Yes		Commen	ts/Resolution
Sample 7	Turn Around Time (TAT)	on.				
	e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and proj	ect manager not
	•		103		provided on COC.	8
Sample C	sample cooler received?		Yes		provided on eoe.	
	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?		NA			
•	e sample received on ice? If yes, the recorded temp is 4°C	ia 6°±2°C	Yes			
	Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15				
		temperature. 4	<u> </u>			
	Container		NT-			
	queous VOC samples present?		No NA			
	OC samples collected in VOA Vials? head space less than 6-8 mm (pea sized or less)?		NA NA			
			NA NA			
	trip blank (TB) included for VOC analyses? on-VOC samples collected in the correct containers	า				
	appropriate volume/weight or number of sample contain		Yes Yes			
		ners conected?	168			
Field Lal	field sample labels filled out with the minimum info	ormation:				
	ample ID?	omitation.	Yes			
	ate/Time Collected?		No			
C	ollectors name?		No			
	Preservation		NT.			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved? filteration required and/or requested for dissolved r	matala?	NA Na			
		iletais:	No			
	se Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
	act Laboratory					
28. Are s	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA Su	abcontract Lab	o: na	
Client I	<u>ıstruction</u>					

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207083

Job Number: 20046-0001

Received: 7/18/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 7/20/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/20/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207083

Date Received: 7/18/2022 10:05:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/18/2022 10:05:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

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West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
l	3313 Caldera Blvd	Project Number:	20046-0001	Keporteu:
١	Midland TX, 79707	Project Manager:	Natalie Gladden	07/20/22 14:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - 10' - Sep	E207083-01A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP6 - 15' - Bty	E207083-02A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP6 - 10' - Bty	E207083-03A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP6 - 5' - Bty	E207083-04A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 15' - Bty	E207083-05A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 10' - Bty	E207083-06A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 5' - Bty	E207083-07A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP3 - 10' - Bty	E207083-08A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP4 - 5' - Sep	E207083-09A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 10' - Bty	E207083-10A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP1 - 5' - Bty	E207083-11A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP3 - 5' - Bty	E207083-12A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP4 - 10' - Sep	E207083-13A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 5' - Bty	E207083-14A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP1 - 10' - Bty	E207083-15A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 15' - Bty	E207083-16A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 5' - Sep	E207083-17A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 10' - Sep	E207083-18A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP1 - 5' - Sep	E207083-19A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 5' - Sep	E207083-20A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 10' - Sep	E207083-21A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP1 - 10' - Sep E207083-01

		E207003-01					
		Reporting			_		
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2229096
Benzene	ND	0.0250	1	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.6 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.6 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	1730	25.0	1	1	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	542	50.0	1	1	07/18/22	07/18/22	
Surrogate: n-Nonane		116 %	50-200		07/18/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	KL		Batch: 2230006
Chloride	ND	40.0	2	2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP6 - 15' - Bty E207083-02

	_	Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	analyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	0.571	0.0250	1	07/15/22	07/19/22	
Toluene	0.235	0.0250	1	07/15/22	07/19/22	
o-Xylene	7.19	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	9.23	0.0500	1	07/15/22	07/19/22	
Total Xylenes	16.4	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		106 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		106 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	138	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		106 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		106 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	7610	250	10	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	1740	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		309 %	50-200	07/18/22	07/18/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2230006
Chloride	59.5	40.0	2	07/18/22	07/18/22	· · · · · · · · · · · · · · · · · · ·



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP6 - 10' - Bty E207083-03

Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Analyte	Result	Limit	Diluit	on Frepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	0.258	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	3.72	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	5.45	0.0500	1	07/15/22	07/19/22	
Total Xylenes	9.17	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		107 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	129	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		107 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	6570	250	10	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	1540	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		191 %	50-200	07/18/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2230006
Chloride	452	40.0	2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP6 - 5' - Bty E207083-04

		E207003-04				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		94.7 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		94.7 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	1310	250	10	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	583	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		127 %	50-200	07/18/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: KL		Batch: 2230006
Chloride	49.0	20.0	1	07/18/22	07/18/22	

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP5 - 15' - Bty E207083-05

		E207083-05					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250	1	l	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	l	07/15/22	07/19/22	
Toluene	ND	0.0250	1	l	07/15/22	07/19/22	
p-Xylene	ND	0.0250	1	l	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	l	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	l	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		104 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		104 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	83.7	25.0	1	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	07/18/22	07/19/22	
Surrogate: n-Nonane		97.9 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	526	40.0	2	2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP5 - 10' - Bty E207083-06

		2207000 00				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY	<u> </u>	Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	35.5	25.0	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/18/22	07/19/22	
Surrogate: n-Nonane		90.8 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2230006
Chloride	ND	20.0	1	07/18/22	07/18/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP5 - 5' - Bty E207083-07

	Reporting				
Result	Limit	Diluti	ion Prepared	Analyzed	Notes
mg/kg	mg/kg	А	Analyst: IY		Batch: 2229096
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
0.423	0.0250	1	07/15/22	07/19/22	
ND	0.0500	1	07/15/22	07/19/22	
0.423	0.0250	1	07/15/22	07/19/22	
	101 %	70-130	07/15/22	07/19/22	
	104 %	70-130	07/15/22	07/19/22	
	98.5 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	A	Analyst: IY		Batch: 2229096
ND	20.0	1	07/15/22	07/19/22	
	101 %	70-130	07/15/22	07/19/22	
	104 %	70-130	07/15/22	07/19/22	
	98.5 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	A	Analyst: JL		Batch: 2230016
3110	250	10	07/18/22	07/18/22	
1060	500	10	07/18/22	07/18/22	
	131 %	50-200	07/18/22	07/18/22	
	ma/lra	Δ	Analyst: KL		Batch: 2230006
mg/kg	mg/kg		maryst. IEE		Daten. 223000
	ND ND ND 0.423 ND 0.423	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 0.423 0.0250 ND 0.0500 0.423 0.0250 101 % 104 % 98.5 % mg/kg ND 20.0 101 % 104 % 98.5 % mg/kg mg/kg mg/kg 3110 250 1060 500	Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 0.423 0.0250 1 ND 0.0500 1 0.423 0.0250 1 104% 70-130 98.5% 70-130 mg/kg mg/kg ND 20.0 1 101% 70-130 104% 70-130 98.5% 70-130 mg/kg mg/kg mg/kg mg/kg 3110 250 10 1060 500 10	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0500 1 07/15/22 ND 0.0500 1 07/15/22 0.423 0.0250 1 07/15/22 104% 70-130 07/15/22 104% 70-130 07/15/22 98.5% 70-130 07/15/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 104% 70-130 07/15/22 98.5% 70-130 07/15/22 98.5% 70-130 07/15/22 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL 1060 500 10 07/18/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY Analyst: IY ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0500 1 07/15/22 07/19/22 ND 0.0500 1 07/15/22 07/19/22 0.423 0.0250 1 07/15/22 07/19/22 101% 70-130 07/15/22 07/19/22 104% 70-130 07/15/22 07/19/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 07/19/22 101% 70-130 07/15/22 07/19/22 104% 70-130 07/15/22 07/19/22 104% 70-130 07/15/22 07/19/22 104% 70-130 07/15/22 07/19/22 98.5% <t< td=""></t<>

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP3 - 10' - Bty E207083-08

Austra	D14	Reporting Limit		D	A	Neter
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2229096
Benzene	ND	0.0500	2	07/15/22	07/19/22	
Ethylbenzene	4.03	0.0500	2	07/15/22	07/19/22	
Toluene	0.304	0.0500	2	07/15/22	07/19/22	
o-Xylene	7.83	0.0500	2	07/15/22	07/19/22	
p,m-Xylene	19.4	0.100	2	07/15/22	07/19/22	
Total Xylenes	27.2	0.0500	2	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		108 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	223	40.0	2	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		108 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	8130	250	10	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	2090	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		289 %	50-200	07/18/22	07/18/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: KL		Batch: 2230006
Chloride	207	40.0	2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP4 - 5' - Sep E207083-09

		220,000 07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				1	Amaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		llyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	2350	250	10	07/18/22	07/19/22	_
Oil Range Organics (C28-C36)	977	500	10	07/18/22	07/19/22	
Surrogate: n-Nonane		138 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: KL		Batch: 2230006

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP2 - 10' - Bty E207083-10

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	-		Batch: 2229096
Benzene	ND	0.0250	1		07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	Į.	07/15/22	07/19/22	
Toluene	ND	0.0250	1	Į.	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	Į.	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	Į.	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1		07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.9 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	,	Analyst: IY	-		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.9 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL	,		Batch: 2230016
Diesel Range Organics (C10-C28)	ND	25.0	1		07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	07/18/22	07/19/22	
Surrogate: n-Nonane		107 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: Kl	L		Batch: 2230006
Chloride	128	40.0	2	2	07/18/22	07/18/22	·



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP1 - 5' - Bty E207083-11

		E20/083-11					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dill	liion	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250		1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250		1	07/15/22	07/19/22	
Toluene	ND	0.0250		1	07/15/22	07/19/22	
o-Xylene	ND	0.0250		1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500		1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250		1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.8 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.8 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	40.9	25.0		1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	58.3	50.0	:	1	07/18/22	07/19/22	
Surrogate: n-Nonane	·	127 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	ND	20.0		1	07/18/22	07/18/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP3 - 5' - Bty E207083-12

		2207000 12				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyti				1	Anaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		97.1 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		97.1 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	31.3	25.0	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/18/22	07/19/22	
Surrogate: n-Nonane		97.8 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2230006
Chloride	ND	20.0	1	07/18/22	07/18/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP4 - 10' - Sep E207083-13

		E207003-13				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Result	Limit	Diluti	ion Frepared	Anatyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		95.7 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		95.7 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	596	25.0	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	147	50.0	1	07/18/22	07/19/22	
Surrogate: n-Nonane		120 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2230006
Chloride	291	40.0	2	07/18/22	07/18/22	_

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP2 - 5' - Bty E207083-14

Analyst: IY 1 07/15/ 1 07/15/ 1 07/15/	/22 07/19/22	Notes Batch: 2229096
Analyst: IY 1 07/15/ 1 07/15/	/22 07/19/22	
1 07/15/ 1 07/15/		Batch: 2229096
1 07/15/		
	/22 07/19/22	
1 07/15/		
	/22 07/19/22	
1 07/15/	/22 07/19/22	
1 07/15/	/22 07/19/22	
1 07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
Analyst: IY		Batch: 2229096
1 07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
Analyst: JL		Batch: 2230016
1 07/18/	/22 07/19/22	
1 07/18/	/22 07/19/22	
07/18/	/22 07/19/22	
Analyst: KL		Batch: 2230006
2 07/18/	/22 07/18/22	
	1 07/15 1 07/15 07/15 07/15 07/15 Analyst: IY 1 07/15 07/15 07/15 07/15 4nalyst: JL 1 07/18 1 07/18 07/18 Analyst: KL	1 07/15/22 07/19/22 1 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 Analyst: IY 1 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 1 07/18/22 07/19/22 1 07/18/22 07/19/22 07/18/22 07/19/22 Analyst: KL

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP1 - 10' - Bty E207083-15

	1207003-13				
Dagult		D:14:	m Duomono ¹	A malvina J	Notes
Kesuit	Limit	Dilution	n rrepared	Analyzed	inotes
mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0500	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
	99.4 %	70-130	07/15/22	07/19/22	
	108 %	70-130	07/15/22	07/19/22	
	95.7 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
ND	20.0	1	07/15/22	07/19/22	
	99.4 %	70-130	07/15/22	07/19/22	
	108 %	70-130	07/15/22	07/19/22	
	95.7 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	An	alyst: JL		Batch: 2230016
305	250	10	07/18/22	07/19/22	
ND	500	10	07/18/22	07/19/22	
	112 %	50-200	07/18/22	07/19/22	
mg/kg	mg/kg	An	alyst: KL		Batch: 2230006
	ND mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 99.4 % 108 % 95.7 % mg/kg mg/kg ND 20.0 99.4 % 108 % 95.7 % mg/kg mg/kg mg/kg 305 250 ND 500	Reporting Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 99.4 % 70-130 95.7 % 70-130 mg/kg mg/kg An ND 20.0 1 99.4 % 70-130 10 95.7 % 70-130 10 mg/kg mg/kg An mg/kg mg/kg An ND 500 10	Reporting Result Limit Dilution Prepared mg/kg Malyst: IY ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0500 1 07/15/22 ND 0.0250 1 07/15/22 ND 70-130 07/15/22 108 % 70-130 07/15/22 95.7 % 70-130 07/15/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 99.4 % 70-130 07/15/22 99.4 % 70-130 07/15/22 95.7 % 70-130 07/15/22 95.7 % 70-130 07/15/22 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL ND 500 10 07/18/22	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0500 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 </td

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP2 - 15' - Bty E207083-16

		E20/083-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250	1	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	242	25.0	1	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	75.0	50.0	1	1	07/18/22	07/19/22	
Surrogate: n-Nonane		113 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	775	40.0		2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP2 - 5' - Sep E207083-17

		E20/003-1/					
	D. I.	Reporting	Р.,		D 1		N.
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250	1	l	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	l	07/15/22	07/19/22	
Toluene	ND	0.0250	1	l	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	l	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	l	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2230016
Diesel Range Organics (C10-C28)	1050	25.0	1	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	356	50.0	1	1	07/18/22	07/19/22	
Surrogate: n-Nonane		117 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	81.1	40.0	2	2	07/18/22	07/19/22	

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP2 - 10' - Sep E207083-18

		E207005-10				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilutio	n Frepared	Allalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	4120	250	10	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	1150	500	10	07/18/22	07/19/22	
Surrogate: n-Nonane		139 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2230006
Chloride	961	40.0	2	07/18/22	07/19/22	
Chioride	901	40.0	2	0//10/22	01/19/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP1 - 5' - Sep E207083-19

Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		alyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	Batem 222, 0, 0
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		102 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		102 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	1440	250	10	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	500	10	07/18/22	07/19/22	
Surrogate: n-Nonane		127 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2230006
Chloride	56.6	40.0	2	07/18/22	07/19/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP5 - 5' - Sep E207083-20

		E207003-20					
	D. Iv	Reporting		·	D 1		N
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250	1	ļ.	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1		07/15/22	07/19/22	
Toluene	ND	0.0250	1		07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	l	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1		07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	l	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		95.2 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		95.2 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	ND	25.0	1		07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	07/18/22	07/19/22	
Surrogate: n-Nonane		106 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	354	40.0	2	2	07/18/22	07/19/22	

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP5 - 10' - Sep E207083-21

		E207003-21					
Analyte	Result	Reporting Limit	Dilut	tion Pr	epared	Analyzed	Notes
· ·					epareu	rmaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	F	Analyst: IY			Batch: 2229097
Benzene	ND	0.0250	1	07	//15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07	//15/22	07/19/22	
Toluene	ND	0.0250	1	07	/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07	//15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07	//15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07	//15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130	07	7/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07	7/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130	07	7/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2229097
Gasoline Range Organics (C6-C10)	ND	20.0	1	07	//15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130	07	7/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07	7/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130	07	7/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2230004
Diesel Range Organics (C10-C28)	ND	25.0	1	07	//18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07	//18/22	07/19/22	
Surrogate: n-Nonane		107 %	50-200	07	7/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2230005
Chloride	207	40.0	2	07	//18/22	07/19/22	



Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

	Result mg/kg	Volatile Organic Reporting Limit mg/kg	Spike Level	unds by EPA	A 8260I	3			Analyst: IY					
•		Limit		Source		Volatile Organic Compounds by EPA 8260B								
	mg/kg	mo/ko	LCVCI	Result	Rec	Rec Limits	RPD	RPD Limit						
		mg/kg	mg/kg	mg/kg	%	%	%	%	Notes					
Blank (2229096-BLK1)						1	Prepared: 07	7/15/22 Anal	yzed: 07/19/22					
Benzene	ND	0.0250												
Ethylbenzene	ND	0.0250												
Toluene	ND	0.0250												
o-Xylene	ND	0.0250												
p,m-Xylene	ND	0.0500												
Total Xylenes	ND	0.0250												
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130								
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130								
Surrogate: Toluene-d8	0.469		0.500		93.7	70-130								
LCS (2229096-BS1)]	Prepared: 07	7/15/22 Anal	yzed: 07/19/22					
Benzene	2.38	0.0250	2.50		95.2	70-130								
Ethylbenzene	2.37	0.0250	2.50		95.0	70-130								
Toluene	2.35	0.0250	2.50		93.8	70-130								
o-Xylene	2.47	0.0250	2.50		98.7	70-130								
p,m-Xylene	4.77	0.0500	5.00		95.4	70-130								
Total Xylenes	7.24	0.0250	7.50		96.5	70-130								
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130								
Surrogate: 1,2-Dichloroethane-d4	0.549		0.500		110	70-130								
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130								
LCS Dup (2229096-BSD1)						1	Prepared: 07	7/15/22 Anal	yzed: 07/19/22					
Benzene	2.56	0.0250	2.50		102	70-130	7.27	23						
Ethylbenzene	2.54	0.0250	2.50		102	70-130	6.89	27						
Toluene	2.53	0.0250	2.50		101	70-130	7.69	24						
o-Xylene	2.62	0.0250	2.50		105	70-130	5.78	27						
p,m-Xylene	5.07	0.0500	5.00		101	70-130	6.03	27						
Total Xylenes	7.68	0.0250	7.50		102	70-130	5.95	27						
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130								
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130								

0.500

99.2

70-130

0.496



Surrogate: Toluene-d8

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

Midland TX, 79707		Project Manager	r: Na	italie Gladden				7/2	0/2022 2:07:29PM
	Vo	olatile Organi	ic Compo	ınds by EP	A 8260I	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2229097-BLK1)							Prepared: 07	7/15/22 Anal	yzed: 07/19/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.539		0.500		108	70-130			
Surrogate: Toluene-d8	0.477		0.500		95.3	70-130			
LCS (2229097-BS1)							Prepared: 07	7/15/22 Anal	yzed: 07/19/22
Benzene	2.30	0.0250	2.50		92.0	70-130			
Ethylbenzene	2.42	0.0250	2.50		97.0	70-130			
Toluene	2.37	0.0250	2.50		94.7	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
o,m-Xylene	4.93	0.0500	5.00		98.6	70-130			
Total Xylenes	7.44	0.0250	7.50		99.2	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			
LCS Dup (2229097-BSD1)							Prepared: 07	7/15/22 Anal	yzed: 07/19/22
Benzene	2.32	0.0250	2.50		92.8	70-130	0.909	23	
Ethylbenzene	2.41	0.0250	2.50		96.4	70-130	0.579	27	
Foluene	2.35	0.0250	2.50		94.2	70-130	0.551	24	
o-Xylene	2.53	0.0250	2.50		101	70-130	0.615	27	
p,m-Xylene	4.91	0.0500	5.00		98.2	70-130	0.417	27	
Total Xylenes	7.44	0.0250	7.50		99.1	70-130	0.0672	27	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
0 0									

0.500

0.497

70-130



Surrogate: Toluene-d8

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

Nonhalogenated	Organics by	· EPA	. 8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2229096-BLK1)						Prepared: 07	7/15/22 Analyzed: 07/19/2
Gasoline Range Organics (C6-C10)	ND	20.0					
Surrogate: Bromofluorobenzene	0.510		0.500	102	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500	110	70-130		
Surrogate: Toluene-d8	0.469		0.500	93.7	70-130		
LCS (2229096-BS2)						Prepared: 07	7/15/22 Analyzed: 07/19/2
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	86.2	70-130		
Surrogate: Bromofluorobenzene	0.495		0.500	99.0	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500	103	70-130		
Surrogate: Toluene-d8	0.489		0.500	97.7	70-130		
LCS Dup (2229096-BSD2)						Prepared: 07	7/15/22 Analyzed: 07/19/2
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	85.6	70-130	0.682	20
Surrogate: Bromofluorobenzene	0.498		0.500	99.5	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500	102	70-130		
Surrogate: Toluene-d8	0.493		0.500	98.6	70-130		



Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

Nonhalogenated	Organics b	v EPA	8015D -	GRO

Anal	

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2229097-BLK1)						Prepared: 0'	7/15/22 An	alyzed: 07/19/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.489		0.500	97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.539		0.500	108	70-130			
Surrogate: Toluene-d8	0.477		0.500	95.3	70-130			
LCS (2229097-BS2)						Prepared: 0	7/15/22 An	alyzed: 07/19/22
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	83.7	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500	103	70-130			
Surrogate: Toluene-d8	0.491		0.500	98.2	70-130			
LCS Dup (2229097-BSD2)						Prepared: 0	7/15/22 An	alyzed: 07/19/22
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	85.3	70-130	1.95	20	
Surrogate: Bromofluorobenzene	0.498		0.500	99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500	101	70-130			
Surrogate: Toluene-d8	0.492		0.500	98.4	70-130			



Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	-
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

Midland TX, 79707		Project Manager	r: Na	italie Gladder	1			7	//20/2022 2:07:29PM	
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2230004-BLK1)							Prepared: 0	7/18/22 An	alyzed: 07/18/22	
Diesel Range Organics (C10-C28)	ND	25.0								
il Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	50.1		50.0		100	50-200				
LCS (2230004-BS1)							Prepared: 0	7/18/22 An	alyzed: 07/18/22	
Diesel Range Organics (C10-C28)	517	25.0	500		103	38-132				
urrogate: n-Nonane	54.2		50.0		108	50-200				
Matrix Spike (2230004-MS1)				Source:	E207080-	04	Prepared: 0	7/18/22 An	alyzed: 07/18/22	
Diesel Range Organics (C10-C28)	566	25.0	500	ND	113	38-132				
urrogate: n-Nonane	57.9		50.0		116	50-200				
Matrix Spike Dup (2230004-MSD1)				Source:	E207080-	04	Prepared: 0	7/18/22 An	alyzed: 07/18/22	
Diesel Range Organics (C10-C28)	573	25.0	500	ND	115	38-132	1.29	20		
urrogate: n-Nonane	58.2		50.0		116	50-200				



Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

Midland TX, 79707		Project Manage	r: N	atalie Gladden					7/20/2022 2:07:29PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230016-BLK1)							Prepared: 0	7/18/22 A	Analyzed: 07/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			
LCS (2230016-BS1)							Prepared: 0	7/18/22 A	Analyzed: 07/18/22
Diesel Range Organics (C10-C28)	510	25.0	500		102	38-132			
urrogate: n-Nonane	52.4		50.0		105	50-200			
Matrix Spike (2230016-MS1)				Source: I	E 207083 -	06	Prepared: 0	7/18/22 A	Analyzed: 07/18/22
Diesel Range Organics (C10-C28)	592	25.0	500	35.5	111	38-132			
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			
Matrix Spike Dup (2230016-MSD1)				Source: I	E 207083 -	06	Prepared: 0	7/18/22 A	Analyzed: 07/18/22
Diesel Range Organics (C10-C28)	576	25.0	500	35.5	108	38-132	2.72	20	
Surrogate: n-Nonane	47.8		50.0		95.7	50-200			



Pitts Energy	Project Name:	Federal 54 Well #1	Reported: 7/20/2022 2:07:29PM			
3313 Caldera Blvd	Project Number:	20046-0001				
Midland TX, 79707	Project Manager:	Natalie Gladden				
	Anions by EPA 300.0/9056A					

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230005-BLK1)							Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Chloride	ND	20.0							
LCS (2230005-BS1)							Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2230005-MS1)				Source:	E207073-	01	Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Chloride	302	20.0	250	56.8	98.1	80-120			
Matrix Spike Dup (2230005-MSD1)				Source:	E207073-	01	Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Chloride	303	20.0	250	56.8	98.7	80-120	0.498	20	



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well	#1				Reported:
Midland TX, 79707		Project Manager:	N	atalie Gladden					7/20/2022 2:07:29PM
		Analyst: KL							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230006-BLK1)							Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	ND	20.0							
LCS (2230006-BS1)							Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2230006-MS1)				Source:	E207083-0)1	Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	259	40.0	250	ND	103	80-120			
Matrix Spike Dup (2230006-MSD1)				Source:	E207083-0)1	Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	275	40.0	250	ND	110	80-120	6.23	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
١	Midland TX, 79707	Project Manager:	Natalie Gladden	07/20/22 14:07

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Relea	•	nformatio																						
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nag	Client: 1	27+1-	Ev	1		\neg	Т	Bill To	<u></u>				l a ¹	h He	e Onl	.,				—т	AT		1 CDA D	rogram
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12 P	Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	ORO/ORO by 8015	GRO/DRO by 8015	8тех 5у 8021	VOC by 8260	Metals 6010	Chloride		BGDOC	Верос				Remarks	;
V		7)14	5	1	SPI	1	101-	-Sep		1									1					
		/	1		SPL	, –	15'-	- Bty		2														
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1	Addition	nai Instruc	ctions:																					
1	I. (field sam	nler). attest t	o the validity	and authen	ricity of this sam	nle. Lam	aware that t	tampering with or intenti	tionally mislabel	ling the sample	e locatio				Sample	s requir	ing therms	al presen	vation m	ust be r	eceived	on ice the da	y they are samp	aled or received
					may be grounds i				Tordon }			id	on f	ma	Acked	in ice at	an avg te	mp abov	e O but	less than	16°C on	subsequent o	days.	MCC 07 7 2 2 2 1 1 2 2
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							ess other ar	rrangements are made	e. Hazardous	samples will	be ret	turned	to cli	ent or	dispo	sed of	at the c	lient ex	xpense	The	repor	t for the a	nalysis of the	e aboye
,	samples is	applicable	only to thos	se samples	received by the	a laborat	ory with th	his COC. The liability of	f the laborator	y is limited t	o the a	amoun	it paid	for o	n the r	eport.							,	

Page 36 of 39

Project Information																
Project Information		Chain	of Custody	,											Page 1	_ of _ 3
Client: Pitts Eng Project: Federal 54	797 H.	Bill To						e Only					TAT .			ogram
Project: Feder at 59 Project Manager: Address:	<u> </u>	Attention: ESS Address: 2124 NW County City, State, Zip Holds NW	SEXLA	Lab \	07 <i>0</i>	83)	2004	umber -{(0-00) is and Met		20	30	Sta	ndard	CWA	SDWA RCRA
City, State, Zip Phone:		Phone: 575 390 639 Email: Matalie Glad	7		015					lilou			T		State	
Email: Report due by:			Lab	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ ВУ 8021	VOC by 8260	Metals 6010	ide 300.0	2	. 1			NM) CO	UT AZ	TX
Sampled Sampled Matrix	No. of Containers Sample ID	1 7:	Number	DRO/	GRO/	втех	γος	Meta	Chloride	RGDOC	Dogge	-			Remarks	
7114 5	1 571	-5'-Bty	111					-		1	4	-				
H-151/-1	1 5011	-5' - Bty	12							1	4	-	+			-
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	SPZ	-10'-Sep	18													
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Additional Instructions:	1 SP5	- 5'- Sep	20	<u> </u>							<u>'</u>					·
l, (field sampler), attest to the validity a		e. I am aware that tampering with or intentionally mislabe			on, \		2 1	Samples	requiring the	rmal prese	rvation	must be	received o	on ice the day	y they are samp	oled or receive
date or time of collection is considered Relinquished by: (Signature)	Date Tin		Date	J W	Time	11			inice at an ave			Use (subsequent d	ays.	
Refinduished by (Signature)	Date 7-15-20 Tin	Received by (Signature)	7/18	Z	Time	05	•	T1		.e. I		74	à	' <u>T3</u>		
Re[jnquished by: (Signature)	Date Tin	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Date		Time				Temp °C							
Sample Matrix: S - Soil, Sd - Solid, Sg - S Note: Samples are discarded 30 da		ed unless other arrangements are made. Hazardou					p - po	oly/pla	astic, ag - a	amber g				for the ar	alysis of the	ahove
samples is applicable only to those	samples received by the	aboratory with this COC. The liability of the laborator	ry is limited	o the a	amour	nt paid	for a	n the r	eport.		-APCII.	111	report	the al	orysis or the	30046

Released Project Information		
Project Information	Chain of Custod	dy Page 3 of 2
Client: Pi+S Energy Hyproject: Federal 50 Well Hyproject Manager: Address: City, State, Zip Phone: Email: Report due by: Time Sampled Sampled Matrix No. of Containers Sample ID	Bill To Attention: ESS Address: 2724 NW County Pod City, State, Zip Holds NW 8624 Phone: 575 3 90 4397 Email: Mataline Gladdon Lab Number	O/ORO by 8015 C by 8260 O/ORO by 8021 C by 8260 O/ORO by 8021 O/ORO
	10 500	
date or time of collection is considered fraud and may be grounds for Relinquished by: (Signature) Date Time 1 1 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		mple location, Samples requiring thermal preservation must be received on ice the day they are sampled or received on subsequent days. Lab Use Only Received on ice:
Refinquished by: (Signature) Refinquished by: (Signature) Date Tim Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Received by: (Signature) Received by: (Signature) Date Date Contain	AVG Temp °C 4 AVG Temp °C 4 iner Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
	ed unless other arrangements are made. Hazardous samples was boratory with this COC. The liability of the laboratory is limited	will be returned to client or disposed of at the client expense. The report for the analysis of the above

Printed: 7/18/2022 10:55:52AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts Energy	Date Received:	07/18/22	10:05	Work Order ID:	E207083
Phone:	(432) 425-8235	Date Logged In:	07/15/22	17:30	Logged In By:	Alexa Michaels
Email:		Due Date:		17:00 (1 day TAT)	58+	
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
2. Does	he number of samples per sampling site location mate	the COC	Yes			
3. Were	samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	I <u>PS</u>	
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	No			
5. Were	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion				Commen	ts/Resolution
Sample	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and proj	ect manager not
Sample	<u>Cooler</u>				provided on COC.	
	sample cooler received?		Yes		•	
8. If yes	was cooler received in good condition?		Yes			
•	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?					
•	•	a 60±30C	NA			
12. was t	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>			
	<u>Container</u>	_				
14. Are	equeous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is th	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum infor	mation:	Yes			
	Date/Time Collected?		No			
(Collectors name?		No			
Sample	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were pre-	eserved?	No			
22. Are	sample(s) correctly preserved?		NA			
24. Is lal	o filteration required and/or requested for dissolved me	etals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphas	e?	No			
	s, does the COC specify which phase(s) is to be analyze		NA			
	ract Laboratory					
	samples required to get sent to a subcontract laborator	v?	No			
	a subcontract laboratory specified by the client and if		NA	Subcontract Lab	· na	
	• • •	so wiio.	1111	Subcontract Lab	. na	
Client 1	<u>nstruction</u>					
						(C)
Signa	ture of client authorizing changes to the COC or sample disp	osition.			Date	envirotech Inc.

Report to:

Natalie Gladden





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207083

Job Number: 20046-0001

Received: 7/18/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 7/20/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/20/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207083

Date Received: 7/18/2022 10:05:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/18/2022 10:05:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

whinchman@envirotech-inc.com

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Sample Summary

Pitts Energy	Project Name:	Federal 54 Well #1	Donoutodi
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	07/20/22 14:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP1 - 10' - Sep	E207083-01A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP6 - 15' - Bty	E207083-02A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP6 - 10' - Bty	E207083-03A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP6 - 5' - Bty	E207083-04A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 15' - Bty	E207083-05A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 10' - Bty	E207083-06A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 5' - Bty	E207083-07A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP3 - 10' - Bty	E207083-08A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP4 - 5' - Sep	E207083-09A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 10' - Bty	E207083-10A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP1 - 5' - Bty	E207083-11A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP3 - 5' - Bty	E207083-12A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP4 - 10' - Sep	E207083-13A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 5' - Bty	E207083-14A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP1 - 10' - Bty	E207083-15A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 15' - Bty	E207083-16A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 5' - Sep	E207083-17A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP2 - 10' - Sep	E207083-18A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP1 - 5' - Sep	E207083-19A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 5' - Sep	E207083-20A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.
SP5 - 10' - Sep	E207083-21A	Soil	07/14/22	07/18/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP1 - 10' - Sep E207083-01

		E207003-01					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dill	шин	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250		1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250		1	07/15/22	07/19/22	
Toluene	ND	0.0250		1	07/15/22	07/19/22	
o-Xylene	ND	0.0250		1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500		1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250		1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.6 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.6 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	1730	25.0		1	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	542	50.0		1	07/18/22	07/18/22	
Surrogate: n-Nonane		116 %	50-200		07/18/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	ND	40.0		2	07/18/22	07/18/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP6 - 15' - Bty E207083-02

Notes Batch: 2229096
Batch: 2229096
Batch: 2229096
Batch: 2230016
S5
Batch: 2230006
Daten. 2230000



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP6 - 10' - Bty E207083-03

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	analyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	0.258	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	3.72	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	5.45	0.0500	1	07/15/22	07/19/22	
Total Xylenes	9.17	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		107 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	129	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		107 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	6570	250	10	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	1540	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		191 %	50-200	07/18/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2230006
Chloride	452	40.0	2	07/18/22	07/18/22	<u>"</u>



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP6 - 5' - Bty E207083-04

		11207000 01				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
					Amaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		94.7 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		94.7 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	1310	250	10	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	583	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		127 %	50-200	07/18/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: KL		Batch: 2230006
Chloride	49.0	20.0	1	07/18/22	07/18/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP5 - 15' - Bty E207083-05

		E20/083-05					
	D. I.	Reporting		··	D 1		N.
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250	1		07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1		07/15/22	07/19/22	
Toluene	ND	0.0250	1		07/15/22	07/19/22	
p-Xylene	ND	0.0250	1		07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1		07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	l	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		104 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		104 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	83.7	25.0	1		07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/18/22	07/19/22	
Surrogate: n-Nonane		97.9 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	526	40.0	2	2	07/18/22	07/18/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP5 - 10' - Bty E207083-06

		E207005-00					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Dilu	шоп	rrepared	Analyzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2229096
Benzene	ND	0.0250	1	l	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	[07/15/22	07/19/22	
Toluene	ND	0.0250	1	l	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	l	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	l	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	Į	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	•		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2230016
Diesel Range Organics (C10-C28)	35.5	25.0	1	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	07/18/22	07/19/22	
Surrogate: n-Nonane		90.8 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: Kl	L		Batch: 2230006
Chloride	ND	20.0	1	1	07/18/22	07/18/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP5 - 5' - Bty E207083-07

		E20/003-0/				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	0.423	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	0.423	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		98.5 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		98.5 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	3110	250	10	07/18/22	07/18/22	
Oil Range Organics (C28-C36)	1060	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		131 %	50-200	07/18/22	07/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2230006
Chloride	70.0	40.0	2	07/18/22	07/18/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP3 - 10' - Bty E207083-08

		E207003-00				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
Benzene	ND	0.0500	2	07/15/22	07/19/22	
Ethylbenzene	4.03	0.0500	2	07/15/22	07/19/22	
Toluene	0.304	0.0500	2	07/15/22	07/19/22	
o-Xylene	7.83	0.0500	2	07/15/22	07/19/22	
p,m-Xylene	19.4	0.100	2	07/15/22	07/19/22	
Total Xylenes	27.2	0.0500	2	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		108 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	223	40.0	2	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		108 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	8130	250	10	07/18/22	07/18/22	_
Oil Range Organics (C28-C36)	2090	500	10	07/18/22	07/18/22	
Surrogate: n-Nonane		289 %	50-200	07/18/22	07/18/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2230006
Chloride	207	40.0	2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP4 - 5' - Sep E207083-09

Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
,	mg/kg	mg/kg		alyst: IY	1 111111) 2.04	Batch: 2229096
Volatile Organic Compounds by EPA 8260B				07/15/22	07/19/22	Batch: 2229090
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		95.4 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	2350	250	10	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	977	500	10	07/18/22	07/19/22	
Surrogate: n-Nonane		138 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2230006
Chloride	229	40.0	2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP2 - 10' - Bty E207083-10

Analyte	Result	Reporting Limit	Dilut	tian .	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dilut	uon .	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2229096
Benzene	ND	0.0250	1		07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1		07/15/22	07/19/22	
Toluene	ND	0.0250	1		07/15/22	07/19/22	
o-Xylene	ND	0.0250	1		07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1		07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	-	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.9 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	(07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.9 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2230016
Diesel Range Organics (C10-C28)	ND	25.0	1	-	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/18/22	07/19/22	
Surrogate: n-Nonane		107 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL			Batch: 2230006
Chloride	128	40.0	2		07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP1 - 5' - Bty E207083-11

		E20/085-11					
Anglista	Result	Reporting Limit		ution	Duomonod	Analyzad	Notes
Analyte	Result	Limit	Dill	uuon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2229096
Benzene	ND	0.0250		1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250		1	07/15/22	07/19/22	
Toluene	ND	0.0250		1	07/15/22	07/19/22	
o-Xylene	ND	0.0250		1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500		1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250		1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.8 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		93.8 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	40.9	25.0		1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	58.3	50.0	:	1	07/18/22	07/19/22	
Surrogate: n-Nonane		127 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	ND	20.0		1	07/18/22	07/18/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP3 - 5' - Bty E207083-12

		E207005-12				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		97.1 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.2 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		97.1 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	31.3	25.0	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/18/22	07/19/22	
Surrogate: n-Nonane		97.8 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2230006
Chloride	ND	20.0	1	07/18/22	07/18/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP4 - 10' - Sep E207083-13

Result			ion Prepared	Analyzed	Notes
			1	. mary 200	Batch: 2229096
				07/10/22	Batch: 2229090
		1			
		1			
		1			
		1			
		1			
ND	0.0250	1	07/15/22	07/19/22	
	99.2 %	70-130	07/15/22	07/19/22	
	108 %	70-130	07/15/22	07/19/22	
	95.7 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	А	Analyst: IY		Batch: 2229096
ND	20.0	1	07/15/22	07/19/22	
	99.2 %	70-130	07/15/22	07/19/22	
	108 %	70-130	07/15/22	07/19/22	
	95.7 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	A	Analyst: JL		Batch: 2230016
596	25.0	1	07/18/22	07/19/22	_
147	50.0	1	07/18/22	07/19/22	
	120 %	50-200	07/18/22	07/19/22	
mg/kg	mg/kg	A	Analyst: KL		Batch: 2230006
	ND mg/kg 596	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 99.2 % 108 % 95.7 % mg/kg MD 20.0 99.2 % 108 % 95.7 % mg/kg mg/kg mg/kg 596 25.0 147 50.0	mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.2 % 70-130 70-130 95.7 % 70-130 1 99.2 % 70-130 1 99.2 % 70-130 1 108 % 70-130 70-130 95.7 % 70-130 1 mg/kg mg/kg A mg/kg mg/kg A 596 25.0 1 147 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0500 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 108 % 70-130 07/15/22 95.7 % 70-130 07/15/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 99.2 % 70-130 07/15/22 99.2 % 70-130 07/15/22 108 % 70-130 07/15/22 95.7 % 70-130 07/15/22 95.7 % 70-130 07/15/22 mg/kg mg/kg Analyst: JL 596 25.0 1 07/18/22 147 </td <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY 70/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0500 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 </td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY 70/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0500 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP2 - 5' - Bty E207083-14

Analyst: IY 1 07/15/ 1 07/15/ 1 07/15/	/22 07/19/22	Notes Batch: 2229096
Analyst: IY 1 07/15/ 1 07/15/	/22 07/19/22	
1 07/15/ 1 07/15/		Batch: 2229096
1 07/15/		
	/22 07/19/22	
1 07/15/		
	/22 07/19/22	
1 07/15/	/22 07/19/22	
1 07/15/	/22 07/19/22	
1 07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
Analyst: IY		Batch: 2229096
1 07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
07/15/	/22 07/19/22	
Analyst: JL		Batch: 2230016
1 07/18/	/22 07/19/22	
1 07/18/	/22 07/19/22	
07/18/	/22 07/19/22	
Analyst: KL		Batch: 2230006
2 07/18/	/22 07/18/22	
	1 07/15 1 07/15 07/15 07/15 07/15 Analyst: IY 1 07/15 07/15 07/15 07/15 4nalyst: JL 1 07/18 1 07/18 07/18 Analyst: KL	1 07/15/22 07/19/22 1 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 Analyst: IY 1 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 07/15/22 07/19/22 1 07/18/22 07/19/22 1 07/18/22 07/19/22 07/18/22 07/19/22 Analyst: KL

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP1 - 10' - Bty E207083-15

	E207003-13				
	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2229096
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
ND	0.0500	1	07/15/22	07/19/22	
ND	0.0250	1	07/15/22	07/19/22	
	99.4 %	70-130	07/15/22	07/19/22	
	108 %	70-130	07/15/22	07/19/22	
	95.7 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2229096
ND	20.0	1	07/15/22	07/19/22	
	99.4 %	70-130	07/15/22	07/19/22	
	108 %	70-130	07/15/22	07/19/22	
	95.7 %	70-130	07/15/22	07/19/22	
mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2230016
305	250	10	07/18/22	07/19/22	
ND	500	10	07/18/22	07/19/22	
	112 %	50-200	07/18/22	07/19/22	
mg/kg	mg/kg	Ar	nalyst: KL		Batch: 2230006
	ND	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 99.4 % 108 % 95.7 % mg/kg MD 20.0 99.4 % 108 % 95.7 % mg/kg mg/kg mg/kg 305 250 ND 500	Reporting Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 99.4 % 70-130 95.7 % 70-130 mg/kg mg/kg An ND 20.0 1 99.4 % 70-130 108 % 70-130 95.7 % 70-130 95.7 % 70-130 mg/kg mg/kg An 305 250 10 ND 500 10	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0500 1 07/15/22 ND 0.0250 1 07/15/22 ND 0.0250 1 07/15/22 ND 70-130 07/15/22 99.4 % 70-130 07/15/22 95.7 % 70-130 07/15/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 99.4 % 70-130 07/15/22 99.4 % 70-130 07/15/22 95.7 % 70-130 07/15/22 95.7 % 70-130 07/15/22 108 % 70-130 07/15/22 95.7 % 70-130 07/15/22 ND 500 10 07/18/22 <td>Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0500 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 07/19/22 99.4 % 70-130 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22<!--</td--></td>	Reporting Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0500 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 ND 0.0250 1 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/15/22 07/19/22 99.4 % 70-130 07/15/22 07/19/22 108 % 70-130 07/15/22 07/19/22 95.7 % 70-130 07/15/22 07/19/22 </td



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP2 - 15' - Bty E207083-16

		E207003-10					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Benzene	ND	0.0250	1	l	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	l	07/15/22	07/19/22	
Toluene	ND	0.0250	1	l	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	[07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	[07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.1 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230016
Diesel Range Organics (C10-C28)	242	25.0	1	[07/18/22	07/19/22	
Oil Range Organics (C28-C36)	75.0	50.0	1	l	07/18/22	07/19/22	
Surrogate: n-Nonane		113 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230006
Chloride	775	40.0	2	2	07/18/22	07/18/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP2 - 5' - Sep E207083-17

		E207000 17				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
				1	7 mary 200	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		nalyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	1050	25.0	1	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	356	50.0	1	07/18/22	07/19/22	
Surrogate: n-Nonane		117 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2230006
Chloride	81.1	40.0	2	07/18/22	07/19/22	

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP2 - 10' - Sep E207083-18

		E20/003-10				
	D. Iv	Reporting		D. I		N
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
p-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	4120	250	10	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	1150	500	10	07/18/22	07/19/22	
Surrogate: n-Nonane		139 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2230006
Chloride	961	40.0	2	07/18/22	07/19/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP1 - 5' - Sep E207083-19

		E207003-17				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1	07/15/22	07/19/22	
Toluene	ND	0.0250	1	07/15/22	07/19/22	
o-Xylene	ND	0.0250	1	07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1	07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		102 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	07/15/22	07/19/22	
Surrogate: Toluene-d8		102 %	70-130	07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	1440	250	10	07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	500	10	07/18/22	07/19/22	
Surrogate: n-Nonane		127 %	50-200	07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: KL		Batch: 2230006
Chloride	56.6	40.0	2	07/18/22	07/19/22	

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

SP5 - 5' - Sep E207083-20

		E207005-20				
Anglyto	Result	Reporting Limit	Dilut	tion Prep	ared Analyze	ed Notes
Analyte	Resuit	Limit	Dilut	ion Prepa	ared Analyze	ed Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2229096
Benzene	ND	0.0250	1	07/1:	5/22 07/19/2	2
Ethylbenzene	ND	0.0250	1	07/1:	5/22 07/19/2	2
Toluene	ND	0.0250	1	07/1:	5/22 07/19/2	2
o-Xylene	ND	0.0250	1	07/1:	5/22 07/19/2	2
p,m-Xylene	ND	0.0500	1	07/1:	5/22 07/19/2	2
Total Xylenes	ND	0.0250	1	07/1:	5/22 07/19/2	2
Surrogate: Bromofluorobenzene		102 %	70-130	07/1.	5/22 07/19/2	2
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	07/1.	5/22 07/19/2	2
Surrogate: Toluene-d8		95.2 %	70-130	07/1	5/22 07/19/2	2
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2229096
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/1:	5/22 07/19/2	2
Surrogate: Bromofluorobenzene		102 %	70-130	07/1.	5/22 07/19/2	2
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	07/1.	5/22 07/19/2	2
Surrogate: Toluene-d8		95.2 %	70-130	07/1.	5/22 07/19/2	2
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2230016
Diesel Range Organics (C10-C28)	ND	25.0	1	07/18	8/22 07/19/2	2
Oil Range Organics (C28-C36)	ND	50.0	1	07/18	8/22 07/19/2	2
Surrogate: n-Nonane		106 %	50-200	07/18	8/22 07/19/2	2
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2230006
Chloride	354	40.0	2	07/18	8/22 07/19/2	2

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

SP5 - 10' - Sep E207083-21

		E207003-21					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	P	Analyst: IY			Batch: 2229097
Benzene	ND	0.0250	1		07/15/22	07/19/22	
Ethylbenzene	ND	0.0250	1		07/15/22	07/19/22	
Toluene	ND	0.0250	1		07/15/22	07/19/22	
o-Xylene	ND	0.0250	1		07/15/22	07/19/22	
p,m-Xylene	ND	0.0500	1		07/15/22	07/19/22	
Total Xylenes	ND	0.0250	1		07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2229097
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/15/22	07/19/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		07/15/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		07/15/22	07/19/22	
Surrogate: Toluene-d8		94.5 %	70-130		07/15/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2230004
Diesel Range Organics (C10-C28)	ND	25.0	1		07/18/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/18/22	07/19/22	
Surrogate: n-Nonane		107 %	50-200		07/18/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KI			Batch: 2230005
Chloride	207	40.0	2		07/18/22	07/19/22	

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

Midland TX, 79707		Project Number Project Manager		atalie Gladden				7/2	20/2022 2:07:29PM
	V	olatile Organ	ic Compo	unds by EP.	A 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2229096-BLK1)]	Prepared: 0'	7/15/22 Anal	yzed: 07/19/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.469		0.500		93.7	70-130			
LCS (2229096-BS1)						1	Prepared: 0'	7/15/22 Anal	yzed: 07/19/22
Benzene	2.38	0.0250	2.50		95.2	70-130			
Ethylbenzene	2.37	0.0250	2.50		95.0	70-130			
Toluene	2.35	0.0250	2.50		93.8	70-130			
o-Xylene	2.47	0.0250	2.50		98.7	70-130			
p,m-Xylene	4.77	0.0500	5.00		95.4	70-130			
Total Xylenes	7.24	0.0250	7.50		96.5	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.549		0.500		110	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.3	70-130			
LCS Dup (2229096-BSD1)						1	Prepared: 0'	7/15/22 Anal	yzed: 07/19/22
Benzene	2.56	0.0250	2.50		102	70-130	7.27	23	
Ethylbenzene	2.54	0.0250	2.50		102	70-130	6.89	27	
Toluene	2.53	0.0250	2.50		101	70-130	7.69	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	5.78	27	
p,m-Xylene	5.07	0.0500	5.00		101	70-130	6.03	27	
Total Xylenes	7.68	0.0250	7.50		102	70-130	5.95	27	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			

0.500

0.500

106

99.2

70-130

70-130



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

0.532

0.496

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 2:07:29PM

Midland TX, 79707		Project Manage	r: Na	atalie Gladden	1			7/2	20/2022 2:07:29PM
	Vo	olatile Organ	ic Compo	unds by EF	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2229097-BLK1)							Prepared: 07	7/15/22 Anal	yzed: 07/19/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.539		0.500		108	70-130			
Surrogate: Toluene-d8	0.477		0.500		95.3	70-130			
LCS (2229097-BS1)							Prepared: 07	7/15/22 Anal	yzed: 07/19/22
Benzene	2.30	0.0250	2.50		92.0	70-130			
Ethylbenzene	2.42	0.0250	2.50		97.0	70-130			
Toluene	2.37	0.0250	2.50		94.7	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	4.93	0.0500	5.00		98.6	70-130			
Total Xylenes	7.44	0.0250	7.50		99.2	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			
LCS Dup (2229097-BSD1)							Prepared: 07	7/15/22 Anal	lyzed: 07/19/22
Benzene	2.32	0.0250	2.50		92.8	70-130	0.909	23	
Ethylbenzene	2.41	0.0250	2.50		96.4	70-130	0.579	27	
Foluene	2.35	0.0250	2.50		94.2	70-130	0.551	24	
o-Xylene	2.53	0.0250	2.50		101	70-130	0.615	27	
o,m-Xylene	4.91	0.0500	5.00		98.2	70-130	0.417	27	
Total Xylenes	7.44	0.0250	7.50		99.1	70-130	0.0672	27	
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
-									

0.500

0.497

70-130



Surrogate: Toluene-d8

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/20222:07:29PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Anal	vet.	Г
Anai	yst.	1

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2229096-BLK1)						Prepared: 07	7/15/22 Analyzed: 07/19/2
Gasoline Range Organics (C6-C10)	ND	20.0					
Surrogate: Bromofluorobenzene	0.510		0.500	102	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500	110	70-130		
Surrogate: Toluene-d8	0.469		0.500	93.7	70-130		
LCS (2229096-BS2)						Prepared: 07	7/15/22 Analyzed: 07/19/2
Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	86.2	70-130		
Surrogate: Bromofluorobenzene	0.495		0.500	99.0	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500	103	70-130		
Surrogate: Toluene-d8	0.489		0.500	97.7	70-130		
LCS Dup (2229096-BSD2)						Prepared: 07	7/15/22 Analyzed: 07/19/2
Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	85.6	70-130	0.682	20
Surrogate: Bromofluorobenzene	0.498		0.500	99.5	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500	102	70-130		
Surrogate: Toluene-d8	0.493		0.500	98.6	70-130		



Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/20222:07:29PM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2229097-BLK1)						Prepared: 0	7/15/22	Analyzed: 07/19/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.489		0.500	97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.539		0.500	108	70-130			
Surrogate: Toluene-d8	0.477		0.500	95.3	70-130			
LCS (2229097-BS2)						Prepared: 0	7/15/22	Analyzed: 07/19/22
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0	83.7	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.515		0.500	103	70-130			
Surrogate: Toluene-d8	0.491		0.500	98.2	70-130			
LCS Dup (2229097-BSD2)						Prepared: 0	7/15/22	Analyzed: 07/19/22
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	85.3	70-130	1.95	20	
Surrogate: Bromofluorobenzene	0.498		0.500	99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500	101	70-130			
Surrogate: Toluene-d8	0.492		0.500	98.4	70-130			



Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

Midland TX, 79707		Project Manager	r: N	atalie Gladden					7/20/2022 2:07:29PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230004-BLK1)							Prepared: 0	7/18/22 A	analyzed: 07/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.1		50.0		100	50-200			
LCS (2230004-BS1)							Prepared: 0	7/18/22 A	analyzed: 07/18/22
Diesel Range Organics (C10-C28)	517	25.0	500		103	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			
Matrix Spike (2230004-MS1)				Source: 1	E 207080 -0	04	Prepared: 0	7/18/22 A	analyzed: 07/18/22
Diesel Range Organics (C10-C28)	566	25.0	500	ND	113	38-132			
Surrogate: n-Nonane	57.9		50.0		116	50-200			
Matrix Spike Dup (2230004-MSD1)				Source: 1	E 207080 -0	04	Prepared: 0	7/18/22 A	analyzed: 07/18/22
Diesel Range Organics (C10-C28)	573	25.0	500	ND	115	38-132	1.29	20	
Surrogate: n-Nonane	58.2		50.0		116	50-200			



Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 2:07:29PM

Midland TX, 79707		Project Manage	r: Na	ntalie Gladder	ı				7/20/2022 2:07:29PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230016-BLK1)							Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			
LCS (2230016-BS1)							Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Diesel Range Organics (C10-C28)	510	25.0	500		102	38-132			
urrogate: n-Nonane	52.4		50.0		105	50-200			
Matrix Spike (2230016-MS1)				Source:	E207083-	06	Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Diesel Range Organics (C10-C28)	592	25.0	500	35.5	111	38-132			
Surrogate: n-Nonane	45.1		50.0		90.2	50-200			
Matrix Spike Dup (2230016-MSD1)				Source:	E207083-	06	Prepared: 0	7/18/22 A	nalyzed: 07/18/22
Diesel Range Organics (C10-C28)	576	25.0	500	35.5	108	38-132	2.72	20	
Surrogate: n-Nonane	47.8		50.0		95.7	50-200			



Wildiand 1A, 79707 Project	i Matalie Gladdell	//E0/2022
Midland TX, 79707 Project	t Manager: Natalie Gladden	7/20/2022 2:07:29PM
3313 Caldera Blvd Projec	t Number: 20046-0001	
Pitts Energy Projec	t Name: Federal 54 Well #1	Reported:

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230005-BLK1)							Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	ND	20.0							
LCS (2230005-BS1)							Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	240	20.0	250		96.2	90-110			
Matrix Spike (2230005-MS1)				Source:	E207073-	01	Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	302	20.0	250	56.8	98.1	80-120			
Matrix Spike Dup (2230005-MSD1)				Source:	E207073-	01	Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	303	20.0	250	56.8	98.7	80-120	0.498	20	



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well	#1				Reported:
Midland TX, 79707		Project Manager:	N	atalie Gladden					7/20/2022 2:07:29PM
		Anions	by EPA 3	300.0/9056A					Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230006-BLK1)							Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	ND	20.0							
LCS (2230006-BS1)							Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2230006-MS1)				Source: 1	E207083-0)1	Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	259	40.0	250	ND	103	80-120			
Matrix Spike Dup (2230006-MSD1)				Source: 1	E207083-0)1	Prepared: 0	7/18/22	Analyzed: 07/18/22
Chloride	275	40.0	250	ND	110	80-120	6.23	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
١	Midland TX, 79707	Project Manager:	Natalie Gladden	07/20/22 14:07

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Relea	•	nformatio																						
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_	City, State	e, Zip					Phone:	575390	639	7		П				\neg	\Box	T	T	T				
	Phone:						Email:	Matalie	Glade	Jen	ន្ត	ង្គ											State	
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12 P	Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	ORO/ORO by 8015	GRO/DRO by 8015	8тех 5у 8021	VOC by 8260	Metals 6010	Chloride		BGDOC	Верос				Remarks	;
V		7)14	5	1	SPI	1	101-	-Sep		1									1					
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			L		3P7	<u></u>	10'	- Bty		10									<u>}</u>					
1	Addition	nai Instruc	ctions:																					
1	I. (field sam	nler). attest t	o the validity	and authen	ricity of this sam	nle. Lam	aware that t	tampering with or intenti	tionally mislabel	ling the sample	e locatio				Sample	s requir	ing therms	al presen	vation m	ust be r	eceived	on ice the da	y they are samp	aled or received
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)	Sample Ma	trix: S - Soil, S	id - Solid, Sg -	- Sludge, A - /	Aqueous, O - Oth					Containe	r Type	<u> </u>	alass.		ч. —			her el	= V	- VO4	Λ			
							ess other ar	rrangements are made	e. Hazardous	samples will	be ret	turned	to cli	ent or	dispo	sed of	at the c	lient ex	xpense	The	repor	t for the a	nalysis of the	e aboye
,	samples is	applicable	only to thos	se samples	received by the	a laborat	ory with th	his COC. The liability of	f the laborator	y is limited t	o the a	amoun	it paid	for o	n the r	eport.							,	

Project Information															
Project Information	Chain o	of Custody	•											Page 1	of3
Client: Pitts Energy Project: Federal 54 WEH #1	Bill To						e Onl					TA			rogram
Project: Federal 59 Well #1 Project Manager: Address:	Attention: ESS Address: 2724 NW County City, State, Zip Holds NW	SPICK	Lab V	wo# 07 <i>(</i>	280	>	200	umber -{(0-0 is and M	∞	.D	2D	30	Standard	CWA	SDWA RCRA
City, State, Zip Phone: Email:	Phone: 575 3 90 639 Email: Matalif Glade	7	015	015			Allalys		ethod					State	
Report due by:		Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	ide 300.0		N N	<u>خ</u>		NM) CO	UT AZ	TX
Sampled Sampled Matrix Containers Sample ID	1 7.	Number	DRO/	GRO/	втех	Voc	Meta	Chloride		ВСВОС	Верос			Remarks	
7114 S 1 SP1	-5'-Bty	11								\checkmark					
1 3 Y 3	-5 - Bty	12								1					
1 (SP7	-70- Sep	14								H					
SP)-	10' - Rty	15								\setminus					
5P2-	15'- Bty	16													
SPZ	-51-50p	17													
	-10-Sep	18						_		$\left\{ \right\}$					
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Additional Instructions:	5 - DEP	1000	<u> </u>	<u></u>	L	<u> </u>					<u> </u>				· · · · · · · · · · · · · · · · · · ·
I, (field sampler), attest to the validity and authenticity of this sample date or time of collection is considered fraud and may be grounds for				on,	on f	Rad	Sample Acked	s requiring the	nermal pro	servat	tion mu 0 but le	st be red	ceived on ice the da 5°C on subsequent	y they are samp	pled or receive
Relinquished by: (Signature) Date 7/14/22	, , ,	Date 7-15	<i>d</i>	Time	:4			eived on		La		se On			
Relinquished by (Signature) Relinquished by: (Signature) Date Tin	Received by (Signature) Received by: (Signature)	Date Date	72	Time Time	:05	<u> </u>	<u>T1</u>			<u>T2</u>			*T3		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Othe			. T		- <u>u</u>			Temp °				WC.			
Note: Samples are discarded 30 days after results are report samples is applicable only to those samples received by the	ed unless other arrangements are made. Hazardous	Containe samples will ry is limited t	be re	turne	d to cl	ient o	r dispo	sed of at t					report for the a	nalysis of the	e above

Released Project Information		
Project Information	Chain of Custoo	ody Page 3 of 3
Client: Pitts Energy Project: Federal 50 Will ## Project Manager: Address: City, State, Zip Phone: Email: Report due by: Time Sampled Sampled Matrix No. of Containers Sample ID	Bill To Attention: ESS Address: 2724 NW County Rd City, State, Zip Hales NW &CM Phone: 575 390 6397 Email: Matalife Gladden Lab Numbe	OORO by 8015 OORO by 8015 OORO
	10 300	
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample date or time of collection is considered fraud and may be grounds for Relinquished by: (Signature) Date Tim	legal action. Sampled by: Torden Pance	Lab Use Only
Refinquished by: (Signature) Refinquished by: (Signature) Date Tim Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Received by (Signature) Received by: (Signature) Date Date Date Date	Received on ice: ON N N N
	d unless other arrangements are made. Hazardous samples v	ainer Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA s will be returned to client or disposed of at the client expense. The report for the analysis of the above sed to the amount paid for on the report.

Printed: 7/18/2022 10:55:52AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pitts Energy	Date Received:	07/18/22 10	0:05	Work Order II	D: E207083
Phone: (432) 425-8235	Date Logged In:	07/15/22 17	7:30	Logged In By	: Alexa Michaels
Email:	Due Date:	07/19/22 1	7:00 (1 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site location man	tch the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>IPS</u>	
4. Was the COC complete, i.e., signatures, dates/times, requestions and the control of the contr	sted analyses?	No			
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssis.		Yes		<u>Comm</u>	ents/Resolution
Sample Turn Around Time (TAT)					
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and pr	oject manager not
Sample Cooler				provided on COC.	
7. Was a sample cooler received?		Yes		•	
8. If yes, was cooler received in good condition?		Yes			
9. Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA			
 12. Was the sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples arminutes of sampling 13. If no visible ice, record the temperature. Actual sample 	e received w/i 15	Yes			
	temperature. 4	<u>C</u>			
Sample Container 14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA Vials?		NA			
16. Is the head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a trip blank (TB) included for VOC analyses?		NA			
18. Are non-VOC samples collected in the correct containers'	?	Yes			
19. Is the appropriate volume/weight or number of sample contain		Yes			
Field Label					
20. Were field sample labels filled out with the minimum info	ormation:				
Sample ID?		Yes			
Date/Time Collected?		No	'		
Collectors name?		No			
Sample Preservation 21. Does the COC or field labels indicate the samples were preserved.	ranamiad?	No			
22. Are sample(s) correctly preserved?	reserveu?	No NA			
24. Is lab filteration required and/or requested for dissolved n	netals?	No			
	icans.	110			
<u>Multiphase Sample Matrix</u> 26. Does the sample have more than one phase, i.e., multipha	sa?	No			
27. If yes, does the COC specify which phase(s) is to be analy		No			
	yzcu:	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract laborato	•	No			
29. Was a subcontract laboratory specified by the client and in	t so who?	NA	Subcontract Lab	: na	
Client Instruction					

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207112

Job Number: 20046-0001

Received: 7/19/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/20/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/20/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207112

Date Received: 7/19/2022 10:12:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/19/2022 10:12:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

	Pitts Energy	Project Name:	Federal 54 Well #1	Donoutoda
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	07/20/22 17:08

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP2 - 20' - Bty	E207112-01A Soil	07/15/22	07/19/22	Glass Jar, 4 oz.
SP2 - 26' - Bty	E207112-02A Soil	07/15/22	07/19/22	Glass Jar, 4 oz.
SP2 - 30' - Bty	E207112-03A Soil	07/15/22	07/19/22	Glass Jar, 4 oz.
SP2 - 35' - Bty	E207112-04A Soil	07/15/22	07/19/22	Glass Jar, 4 oz.
SP2 - 38' - Bty	E207112-05A Soil	07/15/22	07/19/22	Glass Jar, 4 oz.



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 5:08:49PM

SP2 - 20' - Bty E207112-01

		120/112 01				
Austra	Result	Reporting Limit	Dilut	tion Prepare	- J	Notes
Analyte	Result	Limit	Dilut	non Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2230033
Benzene	ND	0.0250	1	07/19/2	22 07/19/22	
Ethylbenzene	ND	0.0250	1	07/19/2	22 07/19/22	
Toluene	ND	0.0250	1	07/19/2	22 07/19/22	
o-Xylene	ND	0.0250	1	07/19/2	22 07/19/22	
p,m-Xylene	ND	0.0500	1	07/19/2	22 07/19/22	
Total Xylenes	ND	0.0250	1	07/19/2	22 07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/19/2	22 07/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/19/2	22 07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/19/2	22 07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2230033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19/2	22 07/19/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/19/2	22 07/19/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/19/2	22 07/19/22	
Surrogate: Toluene-d8		104 %	70-130	07/19/2	22 07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2230019
Diesel Range Organics (C10-C28)	60.3	25.0	1	07/19/2	22 07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/2	22 07/19/22	
Surrogate: n-Nonane		94.3 %	50-200	07/19/2	22 07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2230031
Chloride	3430	40.0	2	07/19/2	22 07/19/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 5:08:49PM

SP2 - 26' - Bty E207112-02

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2230033
Benzene	ND	0.0250	1	1	07/19/22	07/19/22	
Ethylbenzene	ND	0.0250	1	1	07/19/22	07/19/22	
Toluene	ND	0.0250	1	1	07/19/22	07/19/22	
o-Xylene	ND	0.0250	1	1	07/19/22	07/19/22	
p,m-Xylene	ND	0.0500	1	1	07/19/22	07/19/22	
Total Xylenes	ND	0.0250	1	1	07/19/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/19/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		07/19/22	07/19/22	
Surrogate: Toluene-d8		106 %	70-130		07/19/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2230033
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/19/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/19/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		07/19/22	07/19/22	
Surrogate: Toluene-d8		106 %	70-130		07/19/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230019
Diesel Range Organics (C10-C28)	ND	25.0	1	1	07/19/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	07/19/22	07/19/22	
Surrogate: n-Nonane		102 %	50-200		07/19/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230031
Chloride	4660	40.0		2	07/19/22	07/19/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 5:08:49PM

SP2 - 30' - Bty E207112-03

		2201112 00				
Analyte	Result	Reporting Limit	Dilut	tion Prepa	ared Analy	vzed Notes
Alialyte	Result	Limit	Dilut	non Prepa	areu Anaiy	/zeu Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2230033
Benzene	ND	0.0250	1	07/19	9/22 07/19	0/22
Ethylbenzene	ND	0.0250	1	07/19	9/22 07/19	0/22
Toluene	ND	0.0250	1	07/19	9/22 07/19	0/22
o-Xylene	ND	0.0250	1	07/19	9/22 07/19	0/22
p,m-Xylene	ND	0.0500	1	07/19	9/22 07/19	0/22
Total Xylenes	ND	0.0250	1	07/19	9/22 07/19	0/22
Surrogate: Bromofluorobenzene		98.8 %	70-130	07/19	07/19	0/22
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	07/19	07/19	0/22
Surrogate: Toluene-d8		104 %	70-130	07/19	07/19	0/22
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2230033
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/19	9/22 07/19	0/22
Surrogate: Bromofluorobenzene		98.8 %	70-130	07/19	07/19	0/22
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	07/19	07/19	0/22
Surrogate: Toluene-d8		104 %	70-130	07/19	9/22 07/19	0/22
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2230019
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19	9/22 07/19	0/22
Oil Range Organics (C28-C36)	ND	50.0	1	07/19	9/22 07/19	0/22
Surrogate: n-Nonane		104 %	50-200	07/19	07/19	0/22
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2230031
Chloride	3490	40.0	2	07/19	9/22 07/19	0/22

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 5:08:49PM

SP2 - 35' - Bty

		E207112-04					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2230033
Benzene	ND	0.0250	1	1	07/19/22	07/19/22	
Ethylbenzene	ND	0.0250	1	1	07/19/22	07/19/22	
Toluene	ND	0.0250	1	1	07/19/22	07/19/22	
o-Xylene	ND	0.0250	1	1	07/19/22	07/19/22	
p,m-Xylene	ND	0.0500	1	1	07/19/22	07/19/22	
Total Xylenes	ND	0.0250	1	1	07/19/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/19/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/19/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/19/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2230033
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	07/19/22	07/19/22	
Surrogate: Bromofluorobenzene		101 %	70-130		07/19/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/19/22	07/19/22	
Surrogate: Toluene-d8		105 %	70-130		07/19/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230019
Diesel Range Organics (C10-C28)	190	25.0	1	1	07/19/22	07/19/22	
Oil Range Organics (C28-C36)	117	50.0	1	1	07/19/22	07/19/22	
Surrogate: n-Nonane		111 %	50-200		07/19/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230031
Chloride	867	20.0	1	1	07/19/22	07/19/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 5:08:49PM

SP2 - 38' - Bty E207112-05

		E20/112-05					
Analysis	D14	Reporting Limit	Dilu	4	D 1	A	Notes
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2230033
Benzene	ND	0.0250	1	1	07/19/22	07/19/22	
Ethylbenzene	ND	0.0250	1	l	07/19/22	07/19/22	
Toluene	ND	0.0250	1	l	07/19/22	07/19/22	
p-Xylene	ND	0.0250	1]	07/19/22	07/19/22	
p,m-Xylene	ND	0.0500	1]	07/19/22	07/19/22	
Total Xylenes	ND	0.0250	1	l	07/19/22	07/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/19/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/19/22	07/19/22	
Surrogate: Toluene-d8		102 %	70-130		07/19/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2230033
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/19/22	07/19/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/19/22	07/19/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		07/19/22	07/19/22	
Surrogate: Toluene-d8		102 %	70-130		07/19/22	07/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230019
Diesel Range Organics (C10-C28)	116	25.0	1		07/19/22	07/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	07/19/22	07/19/22	
Surrogate: n-Nonane		109 %	50-200		07/19/22	07/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2230031
Chloride	355	20.0	1	1	07/19/22	07/19/22	



Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/20225:08:49PM

Midland TX, 79707		Project Manage		atalie Gladden				7/2	0/2022 5:08:49PM
	V	olatile Organ	ic Compo	unds by EP	A 82601	В	Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230033-BLK1)							Prepared: 0	7/19/22 Anal	yzed: 07/20/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.544		0.500		109	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			
LCS (2230033-BS1)							Prepared: 0	7/19/22 Anal	yzed: 07/20/22
Benzene	2.36	0.0250	2.50		94.5	70-130			
Ethylbenzene	2.36	0.0250	2.50		94.6	70-130			
Toluene	2.40	0.0250	2.50		96.0	70-130			
o-Xylene	2.45	0.0250	2.50		98.2	70-130			
p,m-Xylene	4.82	0.0500	5.00		96.5	70-130			
Total Xylenes	7.28	0.0250	7.50		97.1	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.538		0.500		108	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			
LCS Dup (2230033-BSD1)							Prepared: 0	7/19/22 Anal	yzed: 07/20/22
Benzene	2.35	0.0250	2.50		93.8	70-130	0.743	23	
Ethylbenzene	2.33	0.0250	2.50		93.2	70-130	1.43	27	
Toluene	2.31	0.0250	2.50		92.6	70-130	3.61	24	
o-Xylene	2.42	0.0250	2.50		96.8	70-130	1.46	27	
p,m-Xylene	4.69	0.0500	5.00		93.9	70-130	2.73	27	
Total Xylenes	7.11	0.0250	7.50		94.8	70-130	2.30	27	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.536		0.500		107	70-130			

0.500

0.492

70-130



Surrogate: Toluene-d8

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/20/2022 5:08:49PM

Nonhalogenated	Organics by	· EPA	. 8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2230033-BLK1)						Prepared: 0	7/19/22 Anal	yzed: 07/20/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.478		0.500	95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.544		0.500	109	70-130			
Surrogate: Toluene-d8	0.478		0.500	95.6	70-130			
LCS (2230033-BS2)						Prepared: 0	7/19/22 Anal	yzed: 07/20/22
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0	102	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500	98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500	98.2	70-130			
Surrogate: Toluene-d8	0.532		0.500	106	70-130			
LCS Dup (2230033-BSD2)						Prepared: 0	7/19/22 Anal	yzed: 07/20/22
Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	108	70-130	5.48	20	
Surrogate: Bromofluorobenzene	0.498		0.500	99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500	97.5	70-130			
Surrogate: Toluene-d8	0.532		0.500	106	70-130			



Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	7/20/2022 5:08:49PM

Midland TX, 79707		Project Manage	r: Na	ntalie Gladder	ı				7/20/2022 5:08:49PM
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
_	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230019-BLK1)							Prepared: 0	7/19/22 A	nalyzed: 07/19/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.4		50.0		115	50-200			
LCS (2230019-BS1)							Prepared: 0	7/19/22 A	nalyzed: 07/19/22
Diesel Range Organics (C10-C28)	469	25.0	500		93.8	38-132			
Surrogate: n-Nonane	46.5		50.0		92.9	50-200			
Matrix Spike (2230019-MS1)				Source:	E207066-	04	Prepared: 0	7/19/22 A	nalyzed: 07/19/22
Diesel Range Organics (C10-C28)	490	25.0	500	ND	98.1	38-132			
Surrogate: n-Nonane	47.1		50.0		94.2	50-200			
Matrix Spike Dup (2230019-MSD1)				Source:	E207066-	04	Prepared: 0	7/19/22 A	nalyzed: 07/19/22
Diesel Range Organics (C10-C28)	479	25.0	500	ND	95.7	38-132	2.47	20	
Surrogate: n-Nonane	39.9		50.0		79.7	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well	#1				Reported:
Midland TX, 79707		Project Manager:		atalie Gladden	1				7/20/2022 5:08:49PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: KL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2230031-BLK1)	ND	20.0					Prepared: 0	07/19/22	Analyzed: 07/19/22
Chloride LCS (2230031-BS1)		20.0	250		107	00.110	Prepared: 0	07/19/22	Analyzed: 07/19/22
Chloride Matrix Spike (2230031-MS1)	269	20.0	250	Source:	107 E207114- (90-110	Prepared: 0	07/19/22	Analyzed: 07/19/22
Chloride Matrix Spike Dup (2230031-MSD1)	272	20.0	250	ND Source:	109 E207114- (80-120)1	Prepared: 0	07/19/22	Analyzed: 07/19/22
Chloride	274	20.0	250	ND	110	80-120	1.05	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	07/20/22 17:08

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
7/15	5	1	SYZ-	20,	- Bty		1								~					
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Printed: 7/19/2022 12:17:38PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts Energy	Date Received:	07/19/22 10:1	2		Work Order ID:	E207112
Phone:	(432) 425-8235	Date Logged In:	07/19/22 08:4	10		Logged In By:	Caitlin Christian
Email:		Due Date:	07/20/22 17:0	00 (1 day TAT)		,	
	Custody (COC)		V				
	ne sample ID match the COC? The number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?	ch die Coc	Yes	a : 1	TDC		
	e COC complete, i.e., signatures, dates/times, reques	eted analyses?	Yes No	Carrier: <u>U</u>	<u>JPS</u>		
	Il samples received within holding time?	sted analyses.	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	103			Comment	s/Resolution
	urn Around Time (TAT)		37		Time sam	nled and proje	ect manager not
	COC indicate standard TAT, or Expedited TAT?		Yes				ot manager not
Sample C			V		provided of	on COC.	
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		<u> </u>	<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers.)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·						
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		No				
	reservation						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
	filteration required and/or requested for dissolved m	netals?	No				
	se Sample Matrix						
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborator	ry?	No				
29. Was a	subcontract laboratory specified by the client and if	f so who?	NA Su	bcontract Lab	o: na		
Client In	<u>istruction</u>						

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207125

Job Number: 20046-0001

Received: 7/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/21/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207125

Date Received: 7/20/2022 10:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/20/2022 10:15:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pitts Energy	Project Name:	Federal 54 Well #1	Donoutoda
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	07/21/22 15:40

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP3 - 16' -Bty	E207125-01A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP3 - 20' - Bty	E207125-02A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP3 - 26' - Bty	E207125-03A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP3 - 30' - bty	E207125-04A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP6 - 20' - Bty	E207125-05A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP6 - 26' - Bty	E207125-06A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP3 - 16' -Bty E207125-01

		E20/125-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	2.66	0.250	10	07/20/22	07/21/22	
Toluene	0.415	0.250	10	07/20/22	07/21/22	
o-Xylene	6.42	0.250	10	07/20/22	07/21/22	
p,m-Xylene	11.7	0.500	10	07/20/22	07/21/22	
Total Xylenes	18.1	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	7860	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	1570	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		293 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2230061
Chloride	591	20.0	1	07/20/22	07/20/22	_



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/21/20223:40:37PM

SP3 - 20' - Bty E207125-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analys	st: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	2.37	0.250	10	07/20/22	07/21/22	
Toluene	0.760	0.250	10	07/20/22	07/21/22	
o-Xylene	6.15	0.250	10	07/20/22	07/21/22	
p,m-Xylene	10.6	0.500	10	07/20/22	07/21/22	
Total Xylenes	16.8	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	8710	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	1780	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		322 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2230061
Chloride	720	20.0	1	07/20/22	07/20/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP3 - 26' - Bty E207125-03

		1207120 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allalyte				•	Allaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	0.925	0.250	10	07/20/22	07/21/22	
Toluene	0.310	0.250	10	07/20/22	07/21/22	
o-Xylene	2.36	0.250	10	07/20/22	07/21/22	
p,m-Xylene	4.31	0.500	10	07/20/22	07/21/22	
Total Xylenes	6.67	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	7450	250	10	07/20/22	07/21/22	_
Oil Range Organics (C28-C36)	1420	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		325 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2230061
Chloride	542	20.0	1	07/20/22	07/20/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP3 - 30' - bty E207125-04

		E20/123-04				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	1.12	0.250	10	07/20/22	07/21/22	
Toluene	0.545	0.250	10	07/20/22	07/21/22	
o-Xylene	2.94	0.250	10	07/20/22	07/21/22	
p,m-Xylene	5.20	0.500	10	07/20/22	07/21/22	
Total Xylenes	8.14	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	3400	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	730	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		203 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2230061
Chloride	270	20.0	1	07/20/22	07/21/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/21/20223:40:37PM

SP6 - 20' - Bty E207125-05

Analyte	Result	Reporting Limit	Dilutior	n Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilution	i Frepared	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	1.23	0.250	10	07/20/22	07/21/22	
Toluene	0.475	0.250	10	07/20/22	07/21/22	
o-Xylene	4.06	0.250	10	07/20/22	07/21/22	
p,m-Xylene	6.70	0.500	10	07/20/22	07/21/22	
Total Xylenes	10.8	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	4760	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	910	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		230 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2230061
Chloride	2240	40.0	2	07/20/22	07/21/22	



Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/21/20223:40:37PM

SP6 - 26' - Bty E207125-06

		E20/123-00				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	0.385	0.250	10	07/20/22	07/21/22	
Toluene	ND	0.250	10	07/20/22	07/21/22	
o-Xylene	1.22	0.250	10	07/20/22	07/21/22	
p,m-Xylene	2.12	0.500	10	07/20/22	07/21/22	
Total Xylenes	3.34	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	2500	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	509	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		143 %	50-200	07/20/22	07/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2230061
Chloride	1440	20.0	1	07/20/22	07/21/22	

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/21/20223:40:37PM

Midland TX, 79707		•						7/2	21/2022 3:40:37PM
Midland TX, 79707								Analyst: IY	
Analyte		Limit	-	Result	Rec		RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230055-BLK1)							Prepared: 0'	7/20/22 Anal	yzed: 07/21/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene		0.0250							
p,m-Xylene		0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2230055-BS1)							Prepared: 0'	7/20/22 Anal	yzed: 07/21/22
Benzene	2.14	0.0250	2.50		85.6	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.1	70-130			
Toluene	2.20	0.0250	2.50		88.1	70-130			
o-Xylene	2.15	0.0250	2.50		86.0	70-130			
p,m-Xylene	4.27	0.0500	5.00		85.3	70-130			
Total Xylenes	6.42	0.0250	7.50		85.6	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			
LCS Dup (2230055-BSD1)							Prepared: 0'	7/20/22 Anal	yzed: 07/21/22
Benzene	2.28	0.0250	2.50		91.3	70-130	6.40	23	
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130	6.13	27	
Toluene	2.34	0.0250	2.50		93.7	70-130	6.23	24	
o-Xylene	2.26	0.0250	2.50		90.6	70-130	5.12	27	
p,m-Xylene	4.50	0.0500	5.00		89.9	70-130	5.22	27	
Total Xylenes	6.76	0.0250	7.50		90.1	70-130	5.18	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			

0.500

70-130

0.531



Surrogate: Toluene-d8

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/21/2022 3:40:37PM

Nonhalogenated	Organics by	· EPA	. 8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2230055-BLK1)						Prepared: 07	7/20/22 Ana	alyzed: 07/21/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.2	70-130			
Surrogate: Toluene-d8	0.525		0.500	105	70-130			
LCS (2230055-BS2)						Prepared: 07	7/20/22 Ana	alyzed: 07/21/22
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	111	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500	99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500	95.4	70-130			
Surrogate: Toluene-d8	0.535		0.500	107	70-130			
LCS Dup (2230055-BSD2)						Prepared: 07	//20/22 Ana	alyzed: 07/21/22
Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	112	70-130	0.937	20	
Surrogate: Bromofluorobenzene	0.498		0.500	99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500	96.0	70-130			
Surrogate: Toluene-d8	0.531		0.500	106	70-130			



Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

Midland TX, 79707		Project Manage	r: Na	atalie Gladder	1				7/21/2022 3:40:37PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230058-BLK1)							Prepared: 0	7/20/22	Analyzed: 07/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	65.5		50.0		131	50-200			
LCS (2230058-BS1)							Prepared: 0	7/20/22	Analyzed: 07/20/22
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	64.6		50.0		129	50-200			
Matrix Spike (2230058-MS1)				Source:	E207124-	01	Prepared: 0	7/20/22	Analyzed: 07/20/22
Diesel Range Organics (C10-C28)	582	25.0	250	298	114	38-132			
Surrogate: n-Nonane	64.2		50.0		128	50-200			
Matrix Spike Dup (2230058-MSD1)				Source:	E207124-	01	Prepared: 0	7/20/22	Analyzed: 07/20/22
Diesel Range Organics (C10-C28)	548	25.0	250	298	100	38-132	6.03	20	
Surrogate: n-Nonane	63.7		50.0		127	50-200			



Pitts Energy 3313 Caldera Blvd				Project Name: Federal 54 Well #1 Project Number: 20046-0001 Project Manager: Natalie Gladden					Reported:
Midland TX, 79707		Project Manager	Project Manager: Natane Gladden						7/21/2022 3:40:37PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230061-BLK1)							Prepared: 07	7/20/22 Aı	nalyzed: 07/20/22
Chloride	ND	20.0							
LCS (2230061-BS1)							Prepared: 07	7/20/22 Aı	nalyzed: 07/20/22
Chloride	261	20.0	250		104	90-110			
LCS Dup (2230061-BSD1)							Prepared: 07	7/20/22 Aı	nalyzed: 07/20/22
Chloride	260	20.0	250		104	90-110	0.248	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
١	Midland TX, 79707	Project Manager:	Natalie Gladden	07/21/22 15:40

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Climate	1.40	n 1 M1			-			_						0	da	V			
Client:	tts E Federa Manager:	ruge),,,,,	L 1		Report Attention		3				se Only			T	AT	E	PA Progra	am
Project: v	reaera	y su;	veu +	+ 1		Report due by: ESS	-	Lab	WO#	1	-	Job Nur			1D	3D	RCRA	CWA	SDWA
Project N	lanager:	Lach 1	ills_			Attention: Natalie Gladd	en_	PŦ	.20	712	5	2004	16-0	100					
Address:						Address: 2724 N West Col City, State, Zip Hobbs NM	inty va	-				Analysis						St	ate
City, Stat	e, Zip					City, State, Zip Hobbs NM	88340	15	15		9 6 1							-	UT AZ
Phone:						Phone: 575 - 393 - 904	8	80	80.			0						7	OT AL
Email:					0.1	Email:natalie @energystaf		o by	o by	802	260	300	35	Σ	×				
Time	Date	22.101	No	2 3 3 3 4 5		140.01	Lab	/OR	/DR(by	by 8	ige	100	2	-50				
Sampled	Sampled	Matrix	Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC-			Ren	narks
3	7/10	0					1			ш.	_		-	m	-				
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Addition	al Instruc	tions:																	
l, (field sampl	er), attest to th	e validity and a	uthenticity of	this sample. I am a	vare that	tampering with or intentionally mislaballing the samp	leyocation, date or					Samples requi	iring therm	al presei	rvation r	nust be re	ceived on ice th	e day they are sai	mpled or
time of collec	ction is conside	red fraud and r	may be ground:	s for legal action. Sa	mpled by:	tampering with or intentionally mislabelling the same	maler					received pack	ed in ice at	an avg t	temp abo	ove 0 but i	ess than 6 °C on	subsequent days	
Religionish	ed to Isten	ature)	Date	Tir	FR	Received by: (Signature) Received by: (Signature)	Date		Time 3	11	1						e Only		
//wou	Mona	ei	Date	18/22	()	of chownes!	7-19	1-00		10	U	Receive	d on i	ce:	Y	// N			
Kelinguish	ed by: (Sign	ature)	Date	K-N Tir	ne r	Received by: (Signature)	Date	1	Time			<u>T1</u>			T2			T3	
ell	HUST		11-	1100	1.	author the	- 7/20/	22	10	15)	AVG Te	mp °C	4					
				queous, O - Othe			Containe	Туре	e: g - g	glass,	p - p	oly/plasti	c, ag -	ambe	er gla	ss, v -	VOA		
Note: Sam	les are discar	ded 30 days	after results a	are reported unle	ss other	arrangements are made. Hazardous samples w	vill be returned to c	lient or	dispos	ed of a	at the	client expen	se. The	report	for th	e analys	sis of the abo	ove samples is	applicable
only to thos	e samples re	ceived by the	laboratory w	vith this COC. Th	e liability	of the laboratory is limited to the amount paid	for on the report.												o
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		Angl	vtical !	aborator		795 US Highway 64, Farmington, NM 87401				F	n (505)) 632-1881 E	x (505) 6	32-186	55	-			
	*		,		, 2	4 Hour Emergency Response Phone (1800) 262-487 Page 1											auaumin@e	nvirotech-inc	.com
						. 490 1													5

Printed: 7/20/2022 1:32:13PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pitts Energy	Date Received:	07/20/22	10:15	Work Order II	D: E207125
Phone: (432) 425-8235	Date Logged In:	07/20/22	10:56	Logged In By	Caitlin Christian
Email:	Due Date:	07/21/22	17:00 (1 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site locat	ion match the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>PS</u>	
4. Was the COC complete, i.e., signatures, dates/times	, requested analyses?	No			
 Were all samples received within holding time? Note: Analysis, such as pH which should be conice, 15 minute hold time, are not included in this 	·	Yes		<u>Comm</u>	ents/Resolution
Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited T		Yes		Time sampled not pro	ovided on COC.
Sample Cooler		105		1 1	
7. Was a sample cooler received?		Yes			
8. If yes, was cooler received in good condition?		Yes			
9. Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA			
Was the sample received on ice? If yes, the recorded temposers in the recorded temposers in the required, if sampling the record the temposers with a sampling the record the temposers with the recorded tempo	mples are received w/i 15	Yes			
13. If no visible ice, record the temperature. Actual	sample temperature: 4°	<u>C</u>			
Sample Container		***			
14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA Vials?	١٥.	NA			
16. Is the head space less than 6-8 mm (pea sized or le	*	NA			
17. Was a trip blank (TB) included for VOC analyses?		NA			
18. Are non-VOC samples collected in the correct con		Yes			
19. Is the appropriate volume/weight or number of sample	e containers collected?	Yes			
Field Label					
20. Were field sample labels filled out with the minim	um information:	V			
Sample ID? Date/Time Collected?		Yes	L		
Collectors name?		Yes Yes			
Sample Preservation		103			
21. Does the COC or field labels indicate the samples	were preserved?	No			
22. Are sample(s) correctly preserved?	•	NA			
24. Is lab filteration required and/or requested for diss	olved metals?	No			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., m	ultiphase?	No			
27. If yes, does the COC specify which phase(s) is to be		NA			
	21111, 200.	11/1			
Subcontract Laboratory	1	3.7			
28. Are samples required to get sent to a subcontract la	-	No NA	Subcontract Lab	: na	
29. Was a subcontract laboratory specified by the clien					

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





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Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207125

Job Number: 20046-0001

Received: 7/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/21/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/21/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207125

Date Received: 7/20/2022 10:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/20/2022 10:15:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

	Pitts Energy	Project Name:	Federal 54 Well #1	Donoutode
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	07/21/22 15:40

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP3 - 16' -Bty	E207125-01A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP3 - 20' - Bty	E207125-02A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP3 - 26' - Bty	E207125-03A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP3 - 30' - bty	E207125-04A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP6 - 20' - Bty	E207125-05A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
SP6 - 26' - Bty	E207125-06A Soil	07/18/22	07/20/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP3 - 16' -Bty E207125-01

		E20/120 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	2.66	0.250	10	07/20/22	07/21/22	
Toluene	0.415	0.250	10	07/20/22	07/21/22	
o-Xylene	6.42	0.250	10	07/20/22	07/21/22	
p,m-Xylene	11.7	0.500	10	07/20/22	07/21/22	
Total Xylenes	18.1	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: IY			Batch: 2230055	
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	7860	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	1570	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		293 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2230061
Chloride	591	20.0	1	07/20/22	07/20/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP3 - 20' - Bty E207125-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	vst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	2.37	0.250	10	07/20/22	07/21/22	
Toluene	0.760	0.250	10	07/20/22	07/21/22	
o-Xylene	6.15	0.250	10	07/20/22	07/21/22	
p,m-Xylene	10.6	0.500	10	07/20/22	07/21/22	
Total Xylenes	16.8	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: IY			Batch: 2230055	
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	8710	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	1780	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		322 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2230061
Chloride	720	20.0	1	07/20/22	07/20/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP3 - 26' - Bty E207125-03

		220.120 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Amary				•	Allalyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analys			Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	0.925	0.250	10	07/20/22	07/21/22	
Toluene	0.310	0.250	10	07/20/22	07/21/22	
o-Xylene	2.36	0.250	10	07/20/22	07/21/22	
p,m-Xylene	4.31	0.500	10	07/20/22	07/21/22	
Total Xylenes	6.67	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		103 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	7450	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	1420	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		325 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2230061
Chloride	542	20.0	1	07/20/22	07/20/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP3 - 30' - bty E207125-04

		E20/123-04				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	1.12	0.250	10	07/20/22	07/21/22	
Toluene	0.545	0.250	10	07/20/22	07/21/22	
o-Xylene	2.94	0.250	10	07/20/22	07/21/22	
p,m-Xylene	5.20	0.500	10	07/20/22	07/21/22	
Total Xylenes	8.14	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		106 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	3400	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	730	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		203 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2230061
Chloride	270	20.0	1	07/20/22	07/21/22	



Sample Data

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/21/20223:40:37PM

SP6 - 20' - Bty E207125-05

		E207125-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	1.23	0.250	10	07/20/22	07/21/22	
Toluene	0.475	0.250	10	07/20/22	07/21/22	
o-Xylene	4.06	0.250	10	07/20/22	07/21/22	
p,m-Xylene	6.70	0.500	10	07/20/22	07/21/22	
Total Xylenes	10.8	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		105 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	4760	250	10	07/20/22	07/21/22	_
Oil Range Organics (C28-C36)	910	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		230 %	50-200	07/20/22	07/21/22	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2230061
Chloride	2240	40.0	2	07/20/22	07/21/22	

Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

SP6 - 26' - Bty E207125-06

		E20/123-00				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2230055
Benzene	ND	0.250	10	07/20/22	07/21/22	
Ethylbenzene	0.385	0.250	10	07/20/22	07/21/22	
Toluene	ND	0.250	10	07/20/22	07/21/22	
o-Xylene	1.22	0.250	10	07/20/22	07/21/22	
p,m-Xylene	2.12	0.500	10	07/20/22	07/21/22	
Total Xylenes	3.34	0.250	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2230055
Gasoline Range Organics (C6-C10)	ND	200	10	07/20/22	07/21/22	
Surrogate: Bromofluorobenzene		104 %	70-130	07/20/22	07/21/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130	07/20/22	07/21/22	
Surrogate: Toluene-d8		104 %	70-130	07/20/22	07/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2230058
Diesel Range Organics (C10-C28)	2500	250	10	07/20/22	07/21/22	
Oil Range Organics (C28-C36)	509	500	10	07/20/22	07/21/22	
Surrogate: n-Nonane		143 %	50-200	07/20/22	07/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2230061
Chloride	1440	20.0	1	07/20/22	07/21/22	

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/21/2022 3:40:37PM

Midland TX, 79707		Project Number Project Manager		0046-0001 atalie Gladden				7/2	1/2022 3:40:37PM
	V	olatile Organi	ic Compo	unds by EP	A 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230055-BLK1)							Prepared: 0'	7/20/22 Analy	yzed: 07/21/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS (2230055-BS1)							Prepared: 0'	7/20/22 Analy	yzed: 07/21/22
Benzene	2.14	0.0250	2.50		85.6	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.1	70-130			
Toluene	2.20	0.0250	2.50		88.1	70-130			
o-Xylene	2.15	0.0250	2.50		86.0	70-130			
p,m-Xylene	4.27	0.0500	5.00		85.3	70-130			
Total Xylenes	6.42	0.0250	7.50		85.6	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			
LCS Dup (2230055-BSD1)							Prepared: 0	7/20/22 Analy	yzed: 07/21/22
Benzene	2.28	0.0250	2.50		91.3	70-130	6.40	23	
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130	6.13	27	
Toluene	2.34	0.0250	2.50		93.7	70-130	6.23	24	
o-Xylene	2.26	0.0250	2.50		90.6	70-130	5.12	27	
p,m-Xylene	4.50	0.0500	5.00		89.9	70-130	5.22	27	
Total Xylenes	6.76	0.0250	7.50		90.1	70-130	5.18	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			

0.500

70-130



Surrogate: Toluene-d8

0.531

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/21/20223:40:37PM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2230055-BLK1)						Prepared: 07	7/20/22 An	alyzed: 07/21/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.501		0.500	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500	96.2	70-130			
Surrogate: Toluene-d8	0.525		0.500	105	70-130			
LCS (2230055-BS2)						Prepared: 07	7/20/22 An	alyzed: 07/21/22
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	111	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500	99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500	95.4	70-130			
Surrogate: Toluene-d8	0.535		0.500	107	70-130			
LCS Dup (2230055-BSD2)						Prepared: 07	7/20/22 An	alyzed: 07/21/22
Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	112	70-130	0.937	20	
Surrogate: Bromofluorobenzene	0.498		0.500	99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500	96.0	70-130			
Surrogate: Toluene-d8	0.531		0.500	106	70-130			



Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	_
Midland TX, 79707	Project Manager:	Natalie Gladden	7/21/2022 3:40:37PM

Midland TX, 79707		Project Manage	r: Na	talie Gladder	1				7/21/2022 3:40:37PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	ORO/			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230058-BLK1)							Prepared: 0	7/20/22 Ar	nalyzed: 07/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	65.5		50.0		131	50-200			
LCS (2230058-BS1)							Prepared: 0	7/20/22 Ar	nalyzed: 07/20/22
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	64.6		50.0		129	50-200			
Matrix Spike (2230058-MS1)				Source:	E207124-	01	Prepared: 0	7/20/22 Ar	nalyzed: 07/20/22
Diesel Range Organics (C10-C28)	582	25.0	250	298	114	38-132			
Surrogate: n-Nonane	64.2		50.0		128	50-200			
Matrix Spike Dup (2230058-MSD1)				Source:	E207124-	01	Prepared: 0	7/20/22 Ar	nalyzed: 07/20/22
Diesel Range Organics (C10-C28)	548	25.0	250	298	100	38-132	6.03	20	
Surrogate: n-Nonane	63.7		50.0		127	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number	20	ederal 54 Well 0046-0001					Reported:
Midland TX, 79707		Project Manager	:: N	atalie Gladden	1				7/21/2022 3:40:37PM
		Anions	by EPA	300.0/9056 <i>A</i>	\				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2230061-BLK1)							Prepared: 07	7/20/22 A	nalyzed: 07/20/22
Chloride	ND	20.0							
LCS (2230061-BS1)							Prepared: 07	7/20/22 A	nalyzed: 07/20/22
Chloride	261	20.0	250		104	90-110			
LCS Dup (2230061-BSD1)							Prepared: 07	7/20/22 A	nalyzed: 07/20/22
Chloride	260	20.0	250		104	90-110	0.248	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Federal 54 Well #1	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
	Midland TX, 79707	Project Manager:	Natalie Gladden	07/21/22 15:40

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client	++ 5	nonco	1		1000	Report Attention				11/2	a b 11a	O-l-		d	da	AT			
Project: v	Ledera	0 541	X1011 ±	£1		Report due by: ESS		1 - 1-	WO			se Only		_		100		PA Progra	
Project N	lanager:	ach i	Sitts			Attention: Natalie Gladd	^^	Lap	WO#	117	5	Job Nu	mber		1D	30	RCRA	CWA	SDWA
Address:			~~			Address: ATALL 1) INOC+ (N	to by vod	20	w	112		2009	0-0	1001					
City, Stat						Address: 1724 N West Cou	283110		1			Analysis	and ivi	etho	d				ate
Phone:	C, 21p			-		Phone: 575 - 393 - 9049	00000	3015	3015									NM CO	UT AZ
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Time	Date					Email: natalie @energystaff	Lab	ORO	DRO	by 8(y 82	de 3	1000	Z	5				
Sampled	Sampled	Matrix	No Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC-			Ren	narks
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Addition	al Instruc	ctions:		•															
I, (field sampl	er), attest to th	e validity and a	uthenticity of	this sample. I am av	vare that t	tampering with or intentionally mislabelling the sample	e ocation, date or											e day they are sa	
			nay be ground:	s for legal action. Sa	mpled by:		nder		_			received pack	ed in ice at	an avg	temp abo	ove 0 but i	ess than 6 °C on	subsequent days	
Religiouish	ed by: ISIgn	ature)	Date	18/22	13	Received by: (Signature)	Date 7- jC	1-00	Time 3	(1)	0	Receive	nd on i	co.		ab Us // N	e Only		
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				queous, O - Othe			Containe	Туре	e: g - g	glass,	p - p	oly/plast	ic, ag -	amb	er gla	ss, v -	VOA		
Note: Samp	les are discar	ded 30 days	after results a	are reported unle	s other	arrangements are made. Hazardous samples w of the laboratory is limited to the amount paid	ill be returned to c	ient or	dispos	ed of a	at the o	client exper	se. The	repor	t for th	e analys	sis of the abo	ove samples i	s applicable
3.1.7 20 21103						or the laboratory is innited to the amount pale	ior on the report.												9
-	3e	nvi	rot	ech	5	795 US Highway 64, Farmington, NM 87401				F	Ph (505)	632-1881	Fx (505) f	532-184	55		envi	rotech-inc.co	
-		Anal	ytical L	aborator	y 2	4 Hour Emergency Response Phone (800) 262-1879										1	abadmin@e	nvirolech-inc	com
						Page 1	o 01 1/												.com

Printed: 7/20/2022 1:32:13PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

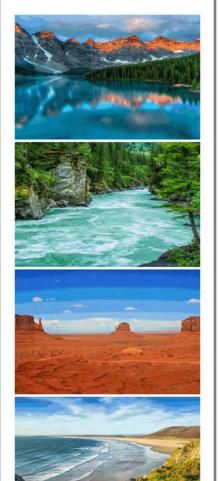
UPS Comments/Resolution Time sampled not provided on COC.
UPS Comments/Resolution
Comments/Resolution
Comments/Resolution
Comments/Resolution
Comments/Resolution
Time sampled not provided on COC.
b: na

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207129

Job Number: 20046-0001

Received: 7/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/22/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/22/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207129

Date Received: 7/21/2022 10:08:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/21/2022 10:08:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

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labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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Sample Summary

	Pitts Energy	Project Name:	Federal 54 Well #1	Donoutode
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	07/22/22 15:53

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP6 - 30' - Bty	E207129-01A Soil	07/19/22	07/21/22	Glass Jar, 4 oz.
SP6 - 34' - Bty	E207129-02A Soil	07/19/22	07/21/22	Glass Jar, 4 oz.



Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/22/2022 3:53:37PM

SP6 - 30' - Bty E207129-01

	E20/129-01				
Dagult		Dilution	Duamanad	Amalyzand	Notes
Resuit	Liiiit	Dilution	Frepared	Anaryzeu	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2230072
ND	0.0250	1	07/21/22	07/22/22	
0.0425	0.0250	1	07/21/22	07/22/22	
0.0280	0.0250	1	07/21/22	07/22/22	
0.181	0.0250	1	07/21/22	07/22/22	
0.299	0.0500	1	07/21/22	07/22/22	
0.479	0.0250	1	07/21/22	07/22/22	
	113 %	70-130	07/21/22	07/22/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2230072
ND	20.0	1	07/21/22	07/22/22	
	95.2 %	70-130	07/21/22	07/22/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2230081
2030	25.0	1	07/21/22	07/21/22	
510	50.0	1	07/21/22	07/21/22	
	112 %	50-200	07/21/22	07/21/22	
mg/kg	mg/kg	Ana	lyst: KL		Batch: 2230083
3680	40.0	2	07/21/22	07/21/22	
	ND 0.0425 0.0280 0.181 0.299 0.479 mg/kg ND mg/kg 2030 510	Result Reporting Limit mg/kg mg/kg ND 0.0250 0.0425 0.0250 0.0280 0.0250 0.181 0.0250 0.299 0.0500 0.479 0.0250 113 % mg/kg mg/kg ND 20.0 95.2 % mg/kg mg/kg mg/kg 510 50.0 112 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 0.0425 0.0250 1 0.0280 0.0250 1 0.181 0.0250 1 0.299 0.0500 1 0.479 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 95.2 % 70-130 mg/kg mg/kg Ana 2030 25.0 1 510 50.0 1 112 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 07/21/22 0.0425 0.0250 1 07/21/22 0.0280 0.0250 1 07/21/22 0.181 0.0250 1 07/21/22 0.299 0.0500 1 07/21/22 0.479 0.0250 1 07/21/22 mg/kg mg/kg Analyst: IV ND 20.0 1 07/21/22 mg/kg mg/kg Analyst: JL mg/kg mg/kg Analyst: JL 2030 25.0 1 07/21/22 510 50.0 1 07/21/22 mg/kg mg/kg Analyst: KL	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 07/21/22 07/22/22 0.0425 0.0250 1 07/21/22 07/22/22 0.0280 0.0250 1 07/21/22 07/22/22 0.181 0.0250 1 07/21/22 07/22/22 0.299 0.0500 1 07/21/22 07/22/22 0.479 0.0250 1 07/21/22 07/22/22 mg/kg mg/kg Analyst: IY ND 20.0 1 07/21/22 07/22/22 mg/kg mg/kg Analyst: IV 07/21/22 07/22/22 mg/kg mg/kg Analyst: JL 07/21/22 07/22/22 mg/kg mg/kg Analyst: JL 07/21/22 07/21/22 112 % 50-200 07/21/22 07/21/22 07/21/22 mg/kg mg/kg Analyst: KL 07/21/22



Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/22/2022 3:53:37PM

SP6 - 34' - Bty E207129-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2230072
Benzene	ND	0.0250	1	07/21/22	07/22/22	
Ethylbenzene	ND	0.0250	1	07/21/22	07/22/22	
Toluene	ND	0.0250	1	07/21/22	07/22/22	
o-Xylene	0.0281	0.0250	1	07/21/22	07/22/22	
p,m-Xylene	0.147	0.0500	1	07/21/22	07/22/22	
Total Xylenes	0.175	0.0250	1	07/21/22	07/22/22	
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	07/21/22	07/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2230072
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/21/22	07/22/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	07/21/22	07/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2230081
Diesel Range Organics (C10-C28)	1710	25.0	1	07/21/22	07/21/22	
Oil Range Organics (C28-C36)	478	50.0	1	07/21/22	07/21/22	
Surrogate: n-Nonane		101 %	50-200	07/21/22	07/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2230083
Chloride	4060	40.0	2	07/21/22	07/21/22	



		•		J = 000	~				
Pitts Energy 3313 Caldera Blvd		Project Name:		Federal 54 Well 20046-0001	#1				Reported:
		Project Number							
Midland TX, 79707		Project Manager	r:	Natalie Gladder	1				7/22/2022 3:53:37PM
		Volatile (Organic	s by EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230072-BLK1)]	Prepared: 0	7/21/22 <i>F</i>	Analyzed: 07/21/22

Blank (2230072-BLK1)						Prepared: 07	7/21/22 Analyzed: 07/21/
Benzene	ND	0.0250					
Ethylbenzene	ND	0.0250					
Toluene	ND	0.0250					
o-Xylene	ND	0.0250					
o,m-Xylene	ND	0.0500					
Total Xylenes	ND	0.0250					
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00	104	70-130		
LCS (2230072-BS1)						Prepared: 07	7/21/22 Analyzed: 07/21/
Benzene	4.77	0.0250	5.00	95.3	70-130		
Ethylbenzene	4.12	0.0250	5.00	82.4	70-130		
Foluene	4.46	0.0250	5.00	89.2	70-130		
o-Xylene	4.42	0.0250	5.00	88.4	70-130		
o,m-Xylene	8.51	0.0500	10.0	85.1	70-130		
Total Xylenes	12.9	0.0250	15.0	86.2	70-130		
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00	104	70-130		
LCS Dup (2230072-BSD1)						Prepared: 07	7/21/22 Analyzed: 07/21/
Benzene	4.89	0.0250	5.00	97.9	70-130	2.65	20
Ethylbenzene	4.22	0.0250	5.00	84.5	70-130	2.51	20
Foluene	4.58	0.0250	5.00	91.7	70-130	2.69	20
o-Xylene	4.54	0.0250	5.00	90.8	70-130	2.61	20
p,m-Xylene	8.72	0.0500	10.0	87.2	70-130	2.43	20
Total Xylenes	13.3	0.0250	15.0	88.4	70-130	2.49	20
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00	103	70-130		

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	_
Midland TX, 79707	Project Manager:	Natalie Gladden	7/22/2022 3:53:37PM

Midland TX, 79707		Project Manager		o40-0001 ntalie Gladden	ı				7/22/2022 3:53:37PM
	Non		Analyst: RKS						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230072-BLK1)							Prepared: 0	7/21/22 A	nalyzed: 07/21/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			
LCS (2230072-BS2)							Prepared: 0	7/21/22 A	nalyzed: 07/21/22
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			
LCS Dup (2230072-BSD2)							Prepared: 0	7/21/22 A	nalyzed: 07/21/22

8.00

70-130

70-130

94.8

1.08

20

20.0

7.58

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/22/2022 3:53:37PM

Midland TX, 79707		Project Manage	r: Na	talie Gladder	1			7	7/22/2022 3:53:37PI
	Nonhal	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230081-BLK1)							Prepared: 0	7/21/22 An	alyzed: 07/21/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.2		50.0		94.4	50-200			
LCS (2230081-BS1)							Prepared: 0	7/21/22 An	alyzed: 07/21/22
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
urrogate: n-Nonane	47.7		50.0		95.3	50-200			
Matrix Spike (2230081-MS1)				Source:	E207133-	02	Prepared: 0	7/21/22 An	alyzed: 07/21/22
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132			
urrogate: n-Nonane	49.6		50.0		99.2	50-200			
Matrix Spike Dup (2230081-MSD1)				Source:	E207133-	02	Prepared: 0	7/21/22 An	alyzed: 07/21/22
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	1.52	20	
hurrogate: n-Nonane	48.8		50.0		97.6	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well	#1				Reported:
Midland TX, 79707		Project Manager:	N	atalie Gladden					7/22/2022 3:53:37PM
		Anions	by EPA 3	300.0/9056 <i>A</i>					Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230083-BLK1)							Prepared: 0	7/21/22 A	nalyzed: 07/21/22
Chloride	ND	20.0							
LCS (2230083-BS1)							Prepared: 0	7/21/22 A	nalyzed: 07/21/22
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2230083-MS1)				Source:	E207128-0)1	Prepared: 0	7/21/22 A	nalyzed: 07/21/22
Chloride	742	200	250	402	136	80-120			M2
Matrix Spike Dup (2230083-MSD1)				Source:	E207128-0)1	Prepared: 0	7/21/22 A	nalyzed: 07/21/22
Chloride	565	200	250	402	65.2	80-120	27.0	20	M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
١	Midland TX, 79707	Project Manager:	Natalie Gladden	07/22/22 15:53

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



roject	Information

Chain of Custody

Page	of I

nent:	rdoral	SIL	rgy	# 1			То						e Onl					TA	Γ	EPA P	rogram
Project N	1anager:	34 6	nels.	4	I A	ttention: ESS	c	-	Lab	WO#	120		Job N			1D	2D	30	Standard	CWA	SDW
ddress:	ianager.					ity State Zin UN-	county k	<u></u>	Ec	201	be.		200	40	0-000						125
sity, Stat	e, Zip				P	hone: 575 Zao	677 88 T	060				-i	Analys	sis an	d Metho	d			3 - 1		RCRA
hone:					F	hone:575 390 mail: Natalie	Colodson		2	10										St. 1	
mail:					_	man partonic	- made		801	801	_			0					NMI CO	State UT AZ	TVI
eport d	ue by:								(O by	O by	802	3260	010	300		S	¥		1VIVI CO	UI AZ	1X
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	верос			Remarks	
	7/19	5	1	SPL	, - 2	30' - Bty										/					
	1	1	1	SP 4	0 - 3	54'- Bty		2								1					
	al Instruc																				
(field samp	oler), attest to of collection	the validity	and authent	icity of this san	nple. I am awa	re that tampering with or inte	antionally mislabellin	g the sample	location	on,	2	da	Samples packed is	requiri n ice at	ng thermal ;	reservat	ion mus	t be recei	ved on ice the day t	hey are sample	ed or receiv
olinguich	ed by: (Signa))))) (Signa ed by: (Signa	tural	Date 7		Time	Received by: (Signatu	Olas	7-20	1	3	004	0			on ice:	La		e Only			
kelinguish	ed by: (Signa	ture)	Date		Time	Received by: (Signature	Elste	Date / Date	22	10.	:08		<u>T1</u>			<u>T2</u>			<u>T3</u>		
ample Mat	rix: S - Soil, Sd	- Solid, Sg -	Sludge. A - A	queous, 0 - Ot	her			Container	Type	on al	200 =		AVG			1		10.5			
						other arrangements are ma	ade Hazardous s	Container	horoti	· g - gi	ass, p	- po	iy/pia	SUC, a	ag - amb	er glas	S, V -	VUA			

Printed: 7/21/2022 2:12:56PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts Energy	Date Received:	07/21/22 1	0:08	Work Order ID:	E207129
Phone:	(432) 425-8235	Date Logged In:	07/21/22 0	8:52	Logged In By:	Caitlin Christian
Email:		Oue Date:	07/22/22 1	7:00 (1 day TAT)		
Chain of	Custody (COC)					
	Custody (COC)		Yes			
	he sample ID match the COC? he number of samples per sampling site location matc	h the COC				
	camples dropped off by client or carrier?	ii tile COC	Yes	a	TDG.	
	the COC complete, i.e., signatures, dates/times, requestives.	ad amalyzasa?	Yes No	Carrier: <u>U</u>	<u> PPS</u>	
		anaryses?				
5. were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted in ti.e, 15 minute hold time, are not included in this disucssion		Yes		<u>Comme</u>	nts/Resolution
Sample '	<u> Furn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and pro	ject manager not
Sample	<u>Cooler</u>				provided on COC.	
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	were custody/security seals intact?					
•		- 60±30C	NA			
12. Was ti	ne sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample to	emperature: 4°0	<u>C</u>			
	<u>Container</u>		2.7			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containe	rs collected?	Yes			
Field La						
	field sample labels filled out with the minimum inform	nation:				
	ample ID?		Yes			
	Oate/Time Collected? Collectors name?		No	•		
	Preservation		No			
	the COC or field labels indicate the samples were pre	samuad?	No			
	ample(s) correctly preserved?	sci ved:	NA			
	filteration required and/or requested for dissolved me	tala?	No			
		tais:	NO			
	ase Sample Matrix	0				
	the sample have more than one phase, i.e., multiphase		No			
27. If yes	s, does the COC specify which phase(s) is to be analyz	ed?	NA			
Subcont	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laboratory	?	No			
29. Was	a subcontract laboratory specified by the client and if s	o who?	NA	Subcontract Lab	: na	
Client I	<u>nstruction</u>					
Chem I	noti uctivii					
						0
Signa	ture of client authorizing changes to the COC or sample dispo	sition.			Date	envirotech I

Report to:

Natalie Gladden





5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Fed 54

Work Order: E207153

Job Number: 20046-0001

Received: 7/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/26/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/26/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Fed 54 Workorder: E207153

Date Received: 7/25/2022 10:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2022 10:15:00AM, under the Project Name: Fed 54.

The analytical test results summarized in this report with the Project Name: Fed 54 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

_				
I	Pitts Energy	Project Name:	Fed 54	Reported:
ı	3313 Caldera Blvd	Project Number:	20046-0001	Reported.
l	Midland TX, 79707	Project Manager:	Natalie Gladden	07/26/22 17:00

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP5 - 20 - BTY	E207153-01A Soil	07/20/22	07/25/22	Glass Jar, 4 oz.
SP6 - 40 - BTY	E207153-02A Soil	07/20/22	07/25/22	Glass Jar, 4 oz.



Sample Data

Pitts Energy	Project Name:	Fed 54	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/26/2022 5:00:08PM

SP5 - 20 - BTY

E207153-01

		E20/135-01					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	mg/kg		IY	Batch: 2230087	
Benzene	ND	0.0250		1	07/25/22	07/26/22	
Ethylbenzene	ND	0.0250		1	07/25/22	07/26/22	
Toluene	ND	0.0250		1	07/25/22	07/26/22	
o-Xylene	ND	0.0250		1	07/25/22	07/26/22	
p,m-Xylene	ND	0.0500		1	07/25/22	07/26/22	
Total Xylenes	ND	0.0250		1	07/25/22	07/26/22	
Surrogate: Bromofluorobenzene		95.3 %	70-130		07/25/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		07/25/22	07/26/22	
Surrogate: Toluene-d8		92.7 %	70-130		07/25/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2230087
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/22	07/26/22	
Surrogate: Bromofluorobenzene		95.3 %	70-130		07/25/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		07/25/22	07/26/22	
Surrogate: Toluene-d8		92.7 %	70-130		07/25/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2230090
Diesel Range Organics (C10-C28)	ND	25.0		1	07/25/22	07/25/22	
Oil Range Organics (C28-C36)	ND	50.0		1	07/25/22	07/25/22	
Surrogate: n-Nonane		68.6 %	50-200		07/25/22	07/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2230094
Chloride	90.9	20.0		1	07/22/22	07/25/22	



Sample Data

 Pitts Energy
 Project Name:
 Fed 54

 3313 Caldera Blvd
 Project Number:
 20046-0001
 Reported:

 Midland TX, 79707
 Project Manager:
 Natalie Gladden
 7/26/2022
 5:00:08PM

SP6 - 40 - BTY

E207153-02

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2230087
Benzene	ND	0.0250	1		07/25/22	07/26/22	
Ethylbenzene	ND	0.0250	1		07/25/22	07/26/22	
Toluene	ND	0.0250	1		07/25/22	07/26/22	
o-Xylene	ND	0.0250	1		07/25/22	07/26/22	
p,m-Xylene	ND	0.0500	1		07/25/22	07/26/22	
Total Xylenes	ND	0.0250	1		07/25/22	07/26/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		07/25/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		07/25/22	07/26/22	
Surrogate: Toluene-d8		91.8 %	70-130		07/25/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	-		Batch: 2230087
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/25/22	07/26/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130		07/25/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		07/25/22	07/26/22	
Surrogate: Toluene-d8		91.8 %	70-130		07/25/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2230090
Diesel Range Organics (C10-C28)	ND	25.0	1		07/25/22	07/25/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/25/22	07/25/22	
Surrogate: n-Nonane		104 %	50-200		07/25/22	07/25/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	ı	Analyst: IY			Batch: 2230094
Amons by ETA 500.0/7050A							



Pitts EnergyProject Name:Fed 54Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/26/20225:00:08PM

Midland TX, 79707		Project Manage	r: Na	atalie Gladden				7.	26/2022 5:00:08PN
	Ve	olatile Organ	ic Compo	unds by EP	A 82601	3			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230087-BLK1)							Prepared: 0	7/25/22 Ana	llyzed: 07/26/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			
LCS (2230087-BS1)							Prepared: 0	7/25/22 Ana	lyzed: 07/25/22
Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.54	0.0250	2.50		101	70-130			
Toluene	2.51	0.0250	2.50		101	70-130			
o-Xylene	2.67	0.0250	2.50		107	70-130			
,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.84	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.551		0.500		110	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			
LCS Dup (2230087-BSD1)							Prepared: 0	7/25/22 Ana	lyzed: 07/25/22
Benzene	2.59	0.0250	2.50		103	70-130	0.444	23	
Ethylbenzene	2.60	0.0250	2.50		104	70-130	2.45	27	
Toluene	2.57	0.0250	2.50		103	70-130	2.30	24	
-Xylene	2.72	0.0250	2.50		109	70-130	1.89	27	
o,m-Xylene	5.32	0.0500	5.00		106	70-130	2.92	27	
Total Xylenes	8.04	0.0250	7.50		107	70-130	2.57	27	
Gurrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.531		0.500		106	70-130			

0.500

97.1

70-130

0.486



Surrogate: Toluene-d8

Pitts EnergyProject Name:Fed 54Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/26/2022 5:00:08PM

Nonhalogenated	Organics by	EPA	8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2230087-BLK1)						Prepared: 0'	7/25/22 A	analyzed: 07/26/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.487		0.500	97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500	106	70-130			
Surrogate: Toluene-d8	0.489		0.500	97.7	70-130			
LCS (2230087-BS2)						Prepared: 0	7/25/22 A	analyzed: 07/26/22
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	79.8	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500	97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500	102	70-130			
Surrogate: Toluene-d8	0.480		0.500	95.9	70-130			
LCS Dup (2230087-BSD2)						Prepared: 0	7/25/22 A	analyzed: 07/25/22
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	85.3	70-130	6.62	20	
Surrogate: Bromofluorobenzene	0.491		0.500	98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500	103	70-130			
Surrogate: Toluene-d8	0.483		0.500	96.6	70-130			



Pitts Energy	Project Name:	Fed 54	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/26/2022 5:00:08PM

Midland TX, 79707		Project Manage	r: N	atalie Gladden				7	/26/2022 5:00:08PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230090-BLK1)							Prepared: 0	7/22/22 An	alyzed: 07/25/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.0		50.0		81.9	50-200			
LCS (2230090-BS1)							Prepared: 0	7/22/22 An	alyzed: 07/25/22
Diesel Range Organics (C10-C28)	225	25.0	250		89.9	38-132			
urrogate: n-Nonane	41.6		50.0		83.2	50-200			
Matrix Spike (2230090-MS1)				Source:	E207154-	03	Prepared: 0	7/22/22 An	alyzed: 07/25/22
Diesel Range Organics (C10-C28)	797	25.0	250	389	163	38-132			M2
Surrogate: n-Nonane	44.2		50.0		88.5	50-200			
Matrix Spike Dup (2230090-MSD1)				Source:	E207154-	03	Prepared: 0	7/22/22 An	alyzed: 07/25/22
Diesel Range Organics (C10-C28)	766	25.0	250	389	151	38-132	3.92	20	M2
Surrogate: n-Nonane	43.7		50.0		87.3	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ed 54 0046-0001					Reported:
Midland TX, 79707		Project Manager	:: N	atalie Gladder	1			7	7/26/2022 5:00:08PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2230094-BLK1)							Prepared: 0	7/22/22 An	alyzed: 07/25/22
Chloride	ND	20.0							
LCS (2230094-BS1)							Prepared: 0	7/22/22 An	alyzed: 07/25/22
Chloride	255	20.0	250		102	90-110			
LCS Dup (2230094-BSD1)							Prepared: 0	7/22/22 An	alyzed: 07/25/22
Chloride	257	20.0	250		103	90-110	0.531	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Fed 54	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
	Midland TX, 79707	Project Manager:	Natalie Gladden	07/26/22 17:00

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech Inc.

Printed: 7/25/2022 12:26:40PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

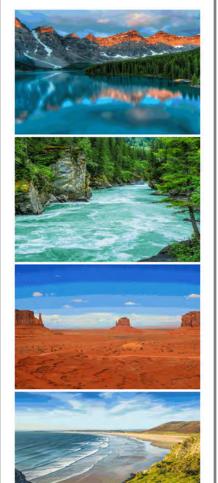
Client:	Pitts Energy	Date Received:	07/25/22 1	0:15		Work Order ID:	E207153
Phone:	(432) 425-8235	Date Logged In:	07/22/22 0			Logged In By:	Caitlin Christian
Email:	(152) 123 6233	Due Date:		7:00 (0 day TAT)		Logged III By.	Cutum Cinistian
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>JPS</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	No				
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic					Comment	s/Resolution
Sample T	urn Around Time (TAT)	л.					
	COC indicate standard TAT, or Expedited TAT?		Yes		Time samp	led and proje	ect manager not
Sample C	•		140		provided of		C
	sample cooler received?		Yes		provided of	1000.	
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?						
	custody/security seals present?		Yes				
	were custody/security seals intact?		No				
	·		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are		Yes				
	minutes of sampling	creceived wit 15					
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	Container						
_	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	'			
_	reservation		No				
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	escived:					
	filteration required and/or requested for dissolved m	etals?	NA No				
	•		110				
	se Sample Matrix the sample have more than one phase, i.e., multiphas	se?	NI.				
	the sample have more than one phase, i.e., multiphase, does the COC specify which phase(s) is to be analy		No NA				
		zeur	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborator	•	No				
29. Was a	subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: na		
Client Ir	<u>istruction</u>						
<u> </u>							

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207163

Job Number: 20046-0001

Received: 7/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/26/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/26/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207163

Date Received: 7/25/2022 8:23:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/25/2022 8:23:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

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Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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Sample Summary

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	Dan anta da
l	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	07/26/22 16:05

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP3 - 36' - Bty	E207163-01A Soil	07/21/22	07/25/22	Glass Jar, 4 oz.



Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/26/2022 4:05:30PM

SP3 - 36' - Bty E207163-01

		E20/103-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Analys	st: IY		Batch: 2231009
Benzene	ND	0.0250	1	07/25/22	07/26/22	
Ethylbenzene	1.44	0.0250	1	07/25/22	07/26/22	
Toluene	0.669	0.0250	1	07/25/22	07/26/22	
o-Xylene	4.03	0.0250	1	07/25/22	07/26/22	
p,m-Xylene	6.95	0.0500	1	07/25/22	07/26/22	
Total Xylenes	11.0	0.0250	1	07/25/22	07/26/22	
Surrogate: 4-Bromochlorobenzene-PID		127 %	70-130	07/25/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2231009
Gasoline Range Organics (C6-C10)	156	20.0	1	07/25/22	07/26/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		131 %	70-130	07/25/22	07/26/22	S3
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2231024
Diesel Range Organics (C10-C28)	5100	500	20	07/25/22	07/26/22	
Oil Range Organics (C28-C36)	ND	1000	20	07/25/22	07/26/22	
Surrogate: n-Nonane		177 %	50-200	07/25/22	07/26/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: IY		Batch: 2231016
Chloride	159	20.0	1	07/25/22	07/25/22	



Pitts Energy		Project Name:		Federal 54 Well #1			Reported:		
3313 Caldera Blvd		Project Number:		20046-0001					•
Midland TX, 79707		Project Manager	: Natalie Gladden					7/26/2022 4:05:30PM	
	Volatile Organics by EPA 8021B								Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231009-BLK1)							Prepared: 0	7/25/22 Ana	alyzed: 07/26/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.99		8.00		112	70-130			
LCS (2231009-BS1)							Prepared: 0	7/25/22 Ana	alyzed: 07/26/22
Benzene	4.48	0.0250	5.00		89.5	70-130			
Ethylbenzene	4.41	0.0250	5.00		88.1	70-130			
Toluene	4.50	0.0250	5.00		90.1	70-130			
o-Xylene	4.56	0.0250	5.00		91.1	70-130			
o,m-Xylene	8.93	0.0500	10.0		89.3	70-130			
Total Xylenes	13.5	0.0250	15.0		89.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.28		8.00		116	70-130			
LCS Dup (2231009-BSD1)							Prepared: 0	7/25/22 Ana	alyzed: 07/26/22
Benzene	4.34	0.0250	5.00		86.8	70-130	3.09	20	
Ethylbenzene	4.28	0.0250	5.00		85.5	70-130	3.02	20	
Toluene	4.37	0.0250	5.00		87.3	70-130	3.08	20	
o-Xylene	4.45	0.0250	5.00		88.9	70-130	2.48	20	
o,m-Xylene	8.67	0.0500	10.0		86.7	70-130	3.00	20	
Total Xylenes	13.1	0.0250	15.0		87.4	70-130	2.82	20	
Surrogate: 4-Bromochlorobenzene-PID	9.17		8.00		115	70-130			



Surrogate: 1-Chloro-4-fluorobenzene-FID

8.82

QC Summary Data

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	7/26/2022 4:05:30PM

Midland TX, 79707		Project Number: Project Manager		046-0001 italie Gladden				7/2	26/2022 4:05:30PM
	Non	halogenated (Organics l	by EPA 801	15D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231009-BLK1)							Prepared: 0	7/25/22 Anal	yzed: 07/26/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			
LCS (2231009-BS2)							Prepared: 0	7/25/22 Anal	yzed: 07/26/22
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			
LCS Dup (2231009-BSD2)							Prepared: 0	7/25/22 Anal	yzed: 07/26/22
Gasoline Range Organics (C6-C10)	54.3	20.0	50.0		109	70-130	3.59	20	

70-130

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/26/2022 4:05:30PM

Midland TX, 79707		Project Manage	r: Na	atalie Gladder	ı				7/26/2022 4:05:30PM		
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: JL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2231024-BLK1)							Prepared: 0	7/25/22	Analyzed: 07/25/22		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	47.4		50.0		94.8	50-200					
LCS (2231024-BS1)							Prepared: 0	7/25/22	Analyzed: 07/25/22		
Diesel Range Organics (C10-C28)	250	25.0	250		99.8	38-132					
Surrogate: n-Nonane	47.9		50.0		95.9	50-200					
Matrix Spike (2231024-MS1)				Source:	E207165-	06	Prepared: 0	7/25/22	Analyzed: 07/25/22		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132					
Surrogate: n-Nonane	49.9		50.0		99.8	50-200					
Matrix Spike Dup (2231024-MSD1)				Source:	E207165-	06	Prepared: 0	7/25/22	Analyzed: 07/25/22		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	1.48	20			
Surrogate: n-Nonane	50.1		50.0		100	50-200					



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well 0046-0001	#1				Reported:
Midland TX, 79707		Project Manager:		atalie Gladder	1				7/26/2022 4:05:30PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231016-BLK1)							Prepared: 0	7/25/22 A	nalyzed: 07/25/22
Chloride	ND	20.0							
LCS (2231016-BS1)							Prepared: 0	7/25/22 A	nalyzed: 07/25/22
Chloride	245	20.0	250		97.8	90-110			
Matrix Spike (2231016-MS1)				Source:	E207140-0)1	Prepared: 0	7/25/22 A	nalyzed: 07/25/22
Chloride	249	20.0	250	ND	99.4	80-120			
Matrix Spike Dup (2231016-MSD1)				Source:	E207140-0)1	Prepared: 0	7/25/22 A	nalyzed: 07/25/22
Chloride	249	20.0	250	ND	99.7	80-120	0.256	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	07/26/22 16:05

S3 Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Litts E	nera	4		Bill To				La	b Us	se On	ly				TA	AT .	EPA P	rogram
Client: A 145 Project: Federal Project Manager: Address:	SV Y	प्रशा म	1	Attention: ESS Address: 2724 MW County	Rd	Lab Ea	wo#		3	1 dol	Hum!	10001		2D	30	Standard	CWA	SDWA
City, State, Zip				City, State, ZipHoto Nm	8290					Analy	sis ar	nd Metho	d	-				RCRA
Phone:	-			Phone: \$75 390 6397	-		U _a s (10.14										
Email:				Email: Matalie Gladen		8015	3015				_		1	1		NINAL CO.	State	Trul
Report due by:						by	by 8	1021	760	010	300.0		ΣZ	×		NM CO	UT AZ	IX
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC 1			Remarks	
7/21	5	1	SP3 -	- 36- Bty	l		0	m	>	2	O		- m	B				
110:			J, J															
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Additional Instruc	tions:																	
, (field sampler), attest to				I am aware that tampering with or intentionally mislabe	lling the sample	e locati	ion,	Para	De	Sample						ceived on ice the day		led or receiv
Relinquished by: (Sign		Date		A	Date 7-2	22	Time	_		1 -2-0		l on ice:	-		se Or	C. P. St. Company		
Relinquished by: Nign Relinquished by: (Sign	iture)	Date	-22-32 Time	1. (Becoived by (Signature) to	Date 7/25	122	Time	;2	3	T1	CIVEL	on ice.	T2			T3		
Relinquished by: (Sign	nture)	Date	Time	Received by: (Signature)	Date		Time			AVG	i Ten	np°C_4	1					
Cample Metrin & Cail &	- Solid Se -	Sludge A - A	Aqueous, O - Other		Containe	r Tyn	0: 0	alace						ALC: N	1100			

Printed: 7/25/2022 2:17:17PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

we receive no response concerning these items within 24 hours o				-	
Client: Pitts Energy	Date Received:	07/25/22 08:	23	Work Order ID:	E207163
Phone: (432) 425-8235	Date Logged In:	07/25/22 08:		Logged In By:	Caitlin Christian
Email:	Due Date:	07/26/22 17:	:00 (1 day TAT)		
Chain of Custody (COC)					
1. Does the sample ID match the COC?		Yes			
2. Does the number of samples per sampling site location m	atch the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS	
4. Was the COC complete, i.e., signatures, dates/times, requ	ested analyses?	No			
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted		Yes		Common	ts/Resolution
i.e, 15 minute hold time, are not included in this disucs	sion.			Commen	15/Resolution
Sample Turn Around Time (TAT)		V		Time sampled and project	ect manager not
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes		provided on COC.	oot manager net
Sample Cooler7. Was a sample cooler received?		Yes		provided on COC.	
8. If yes, was cooler received in good condition?		Yes			
•					
9. Was the sample(s) received intact, i.e., not broken?		Yes			
10. Were custody/security seals present?		No			
11. If yes, were custody/security seals intact?		NA			
12. Was the sample received on ice? If yes, the recorded temp is 4° Note: Thermal preservation is not required, if samples minutes of sampling	are received w/i 15	Yes			
13. If no visible ice, record the temperature. Actual samp	le temperature: 4°0	<u>C</u>			
Sample Container					
14. Are aqueous VOC samples present?		No			
15. Are VOC samples collected in VOA Vials?		NA			
16. Is the head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a trip blank (TB) included for VOC analyses?		NA			
18. Are non-VOC samples collected in the correct container		Yes			
19. Is the appropriate volume/weight or number of sample contains	amers collected?	Yes			
Field Label	c				
20. Were field sample labels filled out with the minimum in Sample ID?	iormation:	Yes			
Date/Time Collected?		Yes			
Collectors name?		No			
Sample Preservation					
21. Does the COC or field labels indicate the samples were	preserved?	No			
22. Are sample(s) correctly preserved?		NA			
24. Is lab filteration required and/or requested for dissolved	metals?	No			
Multiphase Sample Matrix					
26. Does the sample have more than one phase, i.e., multiple	nase?	No			
27. If yes, does the COC specify which phase(s) is to be ana	alyzed?	NA			
Subcontract Laboratory					
28. Are samples required to get sent to a subcontract labora	tory?	No			
29. Was a subcontract laboratory specified by the client and	•		ubcontract Lab	o: na	
Client Instruction					
CHERT HIST GETON					
					0

Date

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Fed 54 #1

Work Order: E207180

Job Number: 20046-0001

Received: 7/27/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/28/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/28/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Fed 54 #1 Workorder: E207180

Date Received: 7/27/2022 10:20:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/27/2022 10:20:00AM, under the Project Name: Fed 54 #1.

The analytical test results summarized in this report with the Project Name: Fed 54 #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

ſ	Pitts Energy	Project Name:	Fed 54 #1	Reported:
١	3313 Caldera Blvd	Project Number:	20046-0001	Reporteu:
١	Midland TX, 79707	Project Manager:	Natalie Gladden	07/28/22 15:51

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
Sep - SP - 5 - 26	E207180-01A Soil	07/25/22	07/27/22	Glass Jar, 4 oz.
Sep - SP - 5 - 30	E207180-02A Soil	07/25/22	07/27/22	Glass Jar, 4 oz.



Sample Data

Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/28/2022 3:51:21PM

Sep - SP - 5 - 26

		E207180-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	/st: IY		Batch: 2231049
Benzene	ND	0.0250	1	07/27/22	07/28/22	
Ethylbenzene	ND	0.0250	1	07/27/22	07/28/22	
Гoluene	ND	0.0250	1	07/27/22	07/28/22	
o-Xylene	ND	0.0250	1	07/27/22	07/28/22	
o,m-Xylene	ND	0.0500	1	07/27/22	07/28/22	
Total Xylenes	ND	0.0250	1	07/27/22	07/28/22	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	07/27/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2231049
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/27/22	07/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	07/27/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2231041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/27/22	07/27/22	
Surrogate: n-Nonane		89.5 %	50-200	07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: RAS		Batch: 2231054
Chloride	1780	20.0	1	07/27/22	07/27/22	



Chloride

Sample Data

Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/28/2022 3:51:21PM

Sep - SP - 5 - 30

		E207180-02					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst: Γ	•	7 mary zea	Batch: 2231049
Volatile Organics by EPA 8021B	ND	0.0250	1	THUISE. I	07/27/22	07/28/22	Batch. 223104)
Benzene			1		07/27/22	07/28/22	
Ethylbenzene	ND	0.0250	1				
Toluene	ND	0.0250	1		07/27/22	07/28/22	
o-Xylene	ND	0.0250	1		07/27/22	07/28/22	
p,m-Xylene	ND	0.0500	1		07/27/22	07/28/22	
Total Xylenes	ND	0.0250	1		07/27/22	07/28/22	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130		07/27/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: Γ	Y		Batch: 2231049
Gasoline Range Organics (C6-C10)	ND	20.0	1		07/27/22	07/28/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130		07/27/22	07/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		Batch: 2231041
Diesel Range Organics (C10-C28)	92.5	25.0	1		07/27/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1		07/27/22	07/27/22	
Surrogate: n-Nonane		86.9 %	50-200		07/27/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2231054

20.0

1720

07/27/22

07/27/22



Surrogate: 4-Bromochlorobenzene-PID

Pitts Energy	Project Name:	Fed 54 #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	•
Midland TX, 79707	Project Manager:	Natalie Gladden	7/28/2022 3:51:21PM

Midland TX, 79707		Project Number: Project Manager:		atalie Gladden					7/28/2022 3:51:21PM
		Volatile O	rganics b	oy EPA 8021	В				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231049-BLK1)							Prepared: 0'	7/27/22 A	nalyzed: 07/27/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			
LCS (2231049-BS1)							Prepared: 0'	7/27/22 A	nalyzed: 07/27/22
Benzene	4.53	0.0250	5.00		90.6	70-130			
Ethylbenzene	3.94	0.0250	5.00		78.8	70-130			
Toluene	4.26	0.0250	5.00		85.2	70-130			
o-Xylene	4.25	0.0250	5.00		84.9	70-130			
p,m-Xylene	8.15	0.0500	10.0		81.5	70-130			
Total Xylenes	12.4	0.0250	15.0		82.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		101	70-130			
LCS Dup (2231049-BSD1)							Prepared: 0'	7/27/22 A	nalyzed: 07/27/22
Benzene	4.78	0.0250	5.00		95.6	70-130	5.31	20	
Ethylbenzene	4.15	0.0250	5.00		83.0	70-130	5.19	20	
Toluene	4.49	0.0250	5.00		89.9	70-130	5.29	20	
o-Xylene	4.47	0.0250	5.00		89.3	70-130	5.09	20	
o,m-Xylene	8.58	0.0500	10.0		85.8	70-130	5.12	20	
Total Xylenes	13.0	0.0250	15.0		87.0	70-130	5.11	20	



Pitts Energy 3313 Caldera Blvd	Project Name: Project Number:	Fed 54 #1 20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	7/28/2022 3:51:21PM

Midland TX, 79707		Project Manager:		talie Gladden					7/28/2022 3:51:21PM
	Non	halogenated (Organics l	by EPA 801	5D - Gl	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231049-BLK1)							Prepared: 0	7/27/22 <i>F</i>	Analyzed: 07/27/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			
LCS (2231049-BS2)							Prepared: 0	7/27/22 A	Analyzed: 07/27/22
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.7	70-130			
LCS Dup (2231049-BSD2)							Prepared: 0	7/27/22 <i>F</i>	Analyzed: 07/27/22
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130	2.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			

Pitts Energy	Project Name:	Fed 54 #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	-
Midland TX, 79707	Project Manager:	Natalie Gladden	7/28/2022 3:51:21PM

Midland TX, 79707		Project Manage	r: Na	ıtalie Gladden	1				7/28/2022 3:51:21PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231041-BLK1)							Prepared: 0	7/27/22 A1	nalyzed: 07/27/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.0		50.0		88.1	50-200			
LCS (2231041-BS1)							Prepared: 0	7/27/22 Aı	nalyzed: 07/27/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	42.8		50.0		85.6	50-200			
Matrix Spike (2231041-MS1)				Source:	E207182-0	01	Prepared: 0	7/27/22 Aı	nalyzed: 07/28/22
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	49.6		50.0		99.1	50-200			
Matrix Spike Dup (2231041-MSD1)				Source:	E207182-0	01	Prepared: 0	7/27/22 Aı	nalyzed: 07/28/22
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	4.10	20	
Surrogate: n-Nonane	59.2		50.0		118	50-200			



Pitts Energy 3313 Caldera Blvd Midland TX, 79707		Project Name: Project Number: Project Manager	20	ed 54 #1 0046-0001 atalie Gladder	ı				Reported: 7/28/2022 3:51:21PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231054-BLK1)							Prepared: 0	7/27/22 A	nalyzed: 07/27/22
Chloride	ND	20.0							
LCS (2231054-BS1)							Prepared: 0	7/27/22 A	nalyzed: 07/27/22
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2231054-MS1)				Source:	E207180-	01	Prepared: 0	7/27/22 A	nalyzed: 07/27/22
Chloride	2060	20.0	250	1780	110	80-120			
Matrix Spike Dup (2231054-MSD1)				Source:	E207180-	01	Prepared: 0	7/27/22 A	nalyzed: 07/27/22
Chloride	2040	20.0	250	1780	102	80-120	1.02	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Fed 54 #1	
-	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
	Midland TX, 79707	Project Manager:	Natalie Gladden	07/28/22 15:51

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



roject Ir	nformation	n			Chain o	f Custody									^	^	P	age	_of
Client:	Pith En.	· /n ·			B										2	P			
	Fed 54				Report Attention					ab U	se Onl				TA	-		PA Progra	
	Nanager:				Attention: Novacic Guadde	h	Lab	00#	710	•	Job N				1D	30	RCRA	CWA	SDWA
Address:					Address: 2724 NW CR		rc	00	1190		Analys						_	C+	ate
City, Stat				-	City, State, Zip Johns, Il/m, S	8640	2	5			Allalys	is and	I	criou				NM CO	
hone:					Phone: 575 390, 6397	7	801	801			0							IVIVI CO	UT AZ
mail:					City, State, Zip Hopss, Wm, 8 Phone: 575 390, 639; Email: Newful & Colledder O	2 nelsy Stagens	O by	O by	8021	3260	300.		05	Σ	×				
Time	Date	Matrix	No	Sample ID		TTC-Glap	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0		TCEQ 1005	BGDOC - NM	BGDOC-TX			Por	narks
Sampled	Sampled		Containers			Number	DR	GR	BTB	9	용	- 3	TCE	BGD	BGI			Kei	IIdiks
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Addition	al Instruc	tions:								-				-				1	
				this sample. I am aware t	hat tampering with or intentionally mislabelling the same	ple location, date or												ne day they are sa n subsequent day	
Relinquish	ed by: (Signa		Date	Time	Received by: (Signature)	Date	~	Time.	99	2_							e Only		
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Sample Mar	CHULL SOIL SE	LUI I	COM /	7-262 7	17 Illums	7/27/2	72	10	1.2		AVG		_	4			VO 4		
					ner arrangements are made. Hazardous samples	Container	ient or	disnoe	ed of	p - p	client ev	nense	The re	inbe	for the	S, V -	VUA	ove camples	ic applicable
only to thos	e samples rec	eived by the	laboratory v	vith this COC. The liab	ility of the laboratory is limited to the amount pai	d for on the report.	2 01	2.0000		- cric	enerit CA	periot.	,11616	-poit	. Or till	- orrary:	no or the di	ave southiss	o applicable
	30	nvi	rot	tech	S705 US Underwei SA Francische MM 27402		- 8		ν				20.52		4		en	virotech-inc.c	om

Analytical Laboratory

5795 US Highway 64, Farmington, NM 87401

Ph (505) 632-1881 Fx (505) 532-1865

labadmin@envirotech-inc.com

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207188

Job Number: 20046-0001

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/29/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/29/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207188

Date Received: 7/29/2022 9:50:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 9:50:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

ſ	Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
1	3313 Caldera Blvd	Project Number:	20046-0001	Keporteu:
l	Midland TX, 79707	Project Manager:	Natalie Gladden	07/29/22 18:18

Client Sample ID	Lab Sample ID Matrix	Sampled Recei	ived Container
SP5 - 36' Sep	E207188-01A Solid	07/28/22 07/29	0/22 Glass Jar, 4 oz.
SP5 - 36' Btv	E207188-02A Solid	07/28/22 07/29	0/22 Glass Jar, 4 oz.



Sample Data

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/29/2022 6:18:37PM

SP5 - 36' Sep E207188-01

		E207100 01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Allalyte	Result	Limit			•	Allalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	KS		Batch: 2231074
Benzene	ND	0.0250	1	l	07/28/22	07/29/22	
Ethylbenzene	ND	0.0250	1	l	07/28/22	07/29/22	
Toluene	ND	0.0250	1	l	07/28/22	07/29/22	
o-Xylene	ND	0.0250	1	l	07/28/22	07/29/22	
p,m-Xylene	ND	0.0500	1	l	07/28/22	07/29/22	
Total Xylenes	ND	0.0250	1	l	07/28/22	07/29/22	
Surrogate: Bromofluorobenzene		99.4 %	70-130		07/28/22	07/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		07/28/22	07/29/22	
Surrogate: Toluene-d8		105 %	70-130		07/28/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: R	KS		Batch: 2231074
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/28/22	07/29/22	
Surrogate: Bromofluorobenzene		99.4 %	70-130		07/28/22	07/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		07/28/22	07/29/22	
Surrogate: Toluene-d8		105 %	70-130		07/28/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI			Batch: 2231063
Diesel Range Organics (C10-C28)	228	25.0	1	<u> </u>	07/28/22	07/29/22	
Oil Range Organics (C28-C36)	116	50.0	1	l	07/28/22	07/29/22	
Surrogate: n-Nonane		88.8 %	50-200		07/28/22	07/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2231076
Chloride	196	20.0	1		07/28/22	07/29/22	



Sample Data

Pitts EnergyProject Name:Federal 54 Well #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden7/29/2022 6:18:37PM

SP5 - 36' Bty E207188-02

	_	Reporting	_				
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	RKS		Batch: 2231074
Benzene	ND	0.0250	1	l	07/28/22	07/29/22	
Ethylbenzene	ND	0.0250	1	l	07/28/22	07/29/22	
Toluene	ND	0.0250	1	l	07/28/22	07/29/22	
o-Xylene	ND	0.0250	1	l	07/28/22	07/29/22	
p,m-Xylene	ND	0.0500	1	l	07/28/22	07/29/22	
Total Xylenes	ND	0.0250	1	[07/28/22	07/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/28/22	07/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		07/28/22	07/29/22	
Surrogate: Toluene-d8		107 %	70-130		07/28/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	RKS	Batch: 2231074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	07/28/22	07/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130		07/28/22	07/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		07/28/22	07/29/22	
Surrogate: Toluene-d8		107 %	70-130		07/28/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	īL		Batch: 2231063
Diesel Range Organics (C10-C28)	484	25.0	1	1	07/28/22	07/29/22	
Oil Range Organics (C28-C36)	146	50.0	1	<u> </u>	07/28/22	07/29/22	
Surrogate: n-Nonane	·	91.2 %	50-200		07/28/22	07/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2231076
Chloride	115	20.0	1	1	07/28/22	07/29/22	



Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/29/2022 6:18:37PM

Midland TX, 79707		Project Manage	r: Na	atalie Gladden				,	7/29/2022 6:18:37PM
	Vo	olatile Organ	ic Compo	unds by EP.	A 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231074-BLK1)							Prepared: 0'	7/28/22 An	nalyzed: 07/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
LCS (2231074-BS1)							Prepared: 0'	7/28/22 An	nalyzed: 07/29/22
Benzene	2.61	0.0250	2.50		105	70-130			
Ethylbenzene	2.70	0.0250	2.50		108	70-130			
Toluene	2.63	0.0250	2.50		105	70-130			
o-Xylene	2.54	0.0250	2.50		101	70-130			
p,m-Xylene	5.03	0.0500	5.00		101	70-130			
Total Xylenes	7.57	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			
LCS Dup (2231074-BSD1)							Prepared: 0'	7/28/22 An	nalyzed: 07/29/22
Benzene	2.63	0.0250	2.50		105	70-130	0.401	23	
Ethylbenzene	2.74	0.0250	2.50		109	70-130	1.29	27	
Toluene	2.65	0.0250	2.50		106	70-130	0.720	24	
o-Xylene	2.57	0.0250	2.50		103	70-130	1.39	27	
o,m-Xylene	5.11	0.0500	5.00		102	70-130	1.57	27	
Total Xylenes	7.68	0.0250	7.50		102	70-130	1.51	27	
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			

0.500

0.527

105

70-130



Surrogate: Toluene-d8

Pitts EnergyProject Name:Federal 54 Well #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden7/29/2022 6:18:37PM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: RKS

Prepared: 07/28/22 Analyzed: 07/29/22

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231074-BLK1)							Prepared: 0	7/28/22 Analy	yzed: 07/29/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
LCS (2231074-BS2)							Prepared: 0	7/28/22 Analy	yzed: 07/29/22
Gasoline Range Organics (C6-C10)	56.6	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			

0.500

106

70-130

LCS	Dun	(2231)	074	BSD2)	

Surrogate: Toluene-d8

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	114	70-130	0.594	
Surrogate: Bromofluorobenzene	0.502		0.500	100	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500	96.4	70-130		
Surrogate: Toluene_d8	0.540		0.500	108	70-130		

0.528

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	7/29/2022 6:18:37PM

Midland TX, 79707		Project Manage	r: N	atalie Gladden					7/29/2022 6:18:37PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231063-BLK1)							Prepared: 0	7/28/22 A	nalyzed: 07/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.2		50.0		116	50-200			
LCS (2231063-BS1)							Prepared: 0	7/28/22 A	nalyzed: 07/29/22
Diesel Range Organics (C10-C28)	242	25.0	250		96.7	38-132			
Surrogate: n-Nonane	51.8		50.0		104	50-200			
Matrix Spike (2231063-MS1)				Source:	E207176-	04	Prepared: 0	7/28/22 A	nalyzed: 07/29/22
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	49.7		50.0		99.3	50-200			
Matrix Spike Dup (2231063-MSD1)				Source:	E207176-0	04	Prepared: 0	7/28/22 A	analyzed: 07/29/22
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	0.0412	20	
Surrogate: n-Nonane	50.6		50.0		101	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well 0046-0001	#1				Reported:
Midland TX, 79707		Project Manager	:: N	latalie Gladder	1				7/29/2022 6:18:37PM
		Anions	by EPA	300.0/9056	\				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231076-BLK1)							Prepared: 0'	7/28/22 <i>F</i>	Analyzed: 07/29/22
Chloride	ND	20.0							
LCS (2231076-BS1)							Prepared: 0'	7/28/22 A	Analyzed: 07/29/22
Chloride	253	20.0	250		101	90-110			
LCS Dup (2231076-BSD1)							Prepared: 0'	7/28/22 A	Analyzed: 07/29/22
Chloride	261	20.0	250		104	90-110	3.35	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	07/29/22 18:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: DHS Project: Loon	Thera	4	-t ·			Bill To				-	La	ab Us	se On	ly				TAT		EPA P	rogram
Project: Ledero	159	eveil	H [Atte	ention:ES	55	1 21		Lab	WO#	04		Job	Numbe	r_ 1	1D		DIS	andard	CWA	SDWA
Project Manager: Address:	-			Add	ress:2124	Inu (or Habbs n	nty ho	110	Ea	170	88	>		10-0							
City, State, Zip				Pho	, State, Zip	390 (307	10	-				Analy	sis and	Metho	d					RCRA
Phone:				Em	il. Phil	lie Glo	odd on	_	10	10										Civil	
Email:				Line	III. I GJG	116 0110	1000		801	8015	_			0		-			NMI CO	State UT AZ	TX
Report due by:									O by	O by	8023	3260	010	300.		S	×		NIVI CO	OT AZ	17
Time Date Sampled Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO by 8015	GRO/DRO by	втех by 8023	VOC by 8260	Metals 6010	Chloride 300.0		верос	верос			Remarks	11
7/24	5)	SPS	-3	6 -		Ser	1													
7/20	, 5	l	SP3	- 40	5' - \$		BH	2								-					
						Р	J														
			0																		
															1						
															+						
															+			+			
Additional Instru	ctions:																				
I, (field sampler), attest					that tampering	with or intention	ally mislabellir	ng the sample	e locati	ion, r)								on ice the day		ed or received
date or time of collection				STATE OF THE STATE		Sampled by:	Hontor	-	nel	and	Eva	9	packed	in ice at a	n avg tem				subsequent da	ys.	
Relinquished by: (Sig	Del	Date	126/22 3	y . 0	Received by	(Signature)		7-37	99	Time	:16	_	Rece	eived o	n ice:		b Use / N	Only			
Relinquished by: (Sig	///	Date	2702 11	11/5	Received by	tignature !	hete	7/29	ke	9	:5	0	T1			T2			T3		
Relinquished by: (Sig	fature)	Date	Tim	e J	Received by:	: (Signature)		Date		Time			AVG	Temp	°C 4	0					
Sample Matrix: 5 - Soil,								Containe	r Type	e: g - s	glass,	p - p	oly/pl	astic, a	- amb	er glas	s. v - V	OA			
Note: Samples are d samples is applicable	scarded 30 d	days after re	sults are reporte	d unless oth	er arrangeme	nts are made.	Hazardous s	amples will	be ret	turned	to cli	ient or	rdispo	sed of a	the clie	ent exp	ense. T	he repo	t for the ana	alysis of the	above

Printed: 7/29/2022 10:56:07AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

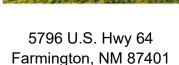
Client:	Pitts Energy	Date Received:	07/29/22	09:50	Work	Order ID:	E207188
Phone:	(432) 425-8235	Date Logged In:	07/28/22			ged In By:	Alexa Michaels
Email:	(432) 423-0233	Due Date:		17:00 (0 day TAT)	Loge	cu iii by.	Alicka Michaels
		Due Buie.	01,123,122	17.00 (0 aay 1111)			
Chain of	Custody (COC)						
1. Does tl	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	No	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
Camerala 7	i.e, 15 minute hold time, are not included in this disucssi	on.				Comment	3 ICESOTATION
	Curn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		Project manage	er and tin	ne sampled not
	•		168		provided on the		
Sample C	sample cooler received?		Yes		provided on the	coc.	
	was cooler received in good condition?		Yes				
• •	<u>•</u>						
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
•	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling	e received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
	Container 1						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?	9	NA				
	on-VOC samples collected in the correct containers		Yes				
	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal	oel field sample labels filled out with the minimum info						
	ample ID?	ormation.	Yes				
	pate/Time Collected?		Yes				
	ollectors name?		No				
Sample I	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subconti	act Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	subcontract laboratory specified by the client and i	-	NA	Subcontract Lab	o: NA		
	nstruction .						
Chent I	isti uctivii						

Date

Report to:

Natalie Gladden





Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E207194

Job Number: 20046-0001

Received: 7/29/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/1/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/1/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E207194

Date Received: 7/29/2022 9:50:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/29/2022 9:50:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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Rayny Hagan

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

	Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported.
	Midland TX, 79707	Project Manager:	Natalie Gladden	08/01/22 16:07

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP1 - 16' - Sep	E207194-01A Soil	07/27/22	07/29/22	Glass Jar, 4 oz.
SP1 - 20' - Sep	E207194-02A Soil	07/27/22	07/29/22	Glass Jar, 4 oz.
SP1 - 24' - Sep	E207194-03A Soil	07/27/22	07/29/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/1/2022 4:07:53PM

SP1 - 16' - Sep E207194-01

	E20/194-01				
Recult		Dilution	Prepared	Analyzed	Notes
Result	Limit	Dilution	Trepared	Maryzea	110103
mg/kg	mg/kg	Analys	st: IY		Batch: 2231073
ND	0.0500	2	07/29/22	07/30/22	
0.577	0.0500	2	07/29/22	07/30/22	
0.0943	0.0500	2	07/29/22	07/30/22	
0.469	0.0500	2	07/29/22	07/30/22	
3.38	0.100	2	07/29/22	07/30/22	
3.85	0.0500	2	07/29/22	07/30/22	
	109 %	70-130	07/29/22	07/30/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2231073
54.9	40.0	2	07/29/22	07/30/22	
	94.9 %	70-130	07/29/22	07/30/22	
mg/kg	mg/kg	Analyst: JL			Batch: 2231067
5500	250	10	07/29/22	08/01/22	
622	500	10	07/29/22	08/01/22	
	158 %	50-200	07/29/22	08/01/22	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2231078
1250	20.0	1	07/28/22	07/29/22	
	ND 0.577 0.0943 0.469 3.38 3.85 mg/kg 54.9 mg/kg	Result Reporting mg/kg mg/kg ND 0.0500 0.577 0.0500 0.0943 0.0500 0.469 0.0500 3.38 0.100 3.85 0.0500 109 % mg/kg mg/kg 54.9 40.0 94.9 % mg/kg 5500 250 622 500 158 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analys ND 0.0500 2 0.577 0.0500 2 0.0943 0.0500 2 0.469 0.0500 2 3.38 0.100 2 3.85 0.0500 2 109 % 70-130 mg/kg mg/kg Analys 54.9 40.0 2 94.9 % 70-130 mg/kg mg/kg Analys 5500 250 10 622 500 10 158 % 50-200 mg/kg Mg/kg Analys	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: 1Y ND 0.0500 2 07/29/22 0.577 0.0500 2 07/29/22 0.0943 0.0500 2 07/29/22 0.469 0.0500 2 07/29/22 3.38 0.100 2 07/29/22 3.85 0.0500 2 07/29/22 mg/kg mg/kg Analyst: IY 54.9 40.0 2 07/29/22 mg/kg mg/kg Analyst: JL 5500 250 10 07/29/22 622 500 10 07/29/22 mg/kg mg/kg Analyst: RAS	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0500 2 07/29/22 07/30/22 0.577 0.0500 2 07/29/22 07/30/22 0.0943 0.0500 2 07/29/22 07/30/22 0.469 0.0500 2 07/29/22 07/30/22 3.38 0.100 2 07/29/22 07/30/22 3.85 0.0500 2 07/29/22 07/30/22 mg/kg mg/kg Analyst: IY 54.9 40.0 2 07/29/22 07/30/22 mg/kg mg/kg Analyst: JL 5500 250 10 07/29/22 08/01/22 622 500 10 07/29/22 08/01/22 mg/kg mg/kg Analyst: RAS



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/1/2022 4:07:53PM

SP1 - 20' - Sep E207194-02

		1207174 02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2231073
Benzene	ND	0.0250	1	07/29/22	07/29/22	
Ethylbenzene	ND	0.0250	1	07/29/22	07/29/22	
Toluene	ND	0.0250	1	07/29/22	07/29/22	
o-Xylene	ND	0.0250	1	07/29/22	07/29/22	
o,m-Xylene	0.0582	0.0500	1	07/29/22	07/29/22	
Total Xylenes	0.0582	0.0250	1	07/29/22	07/29/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	07/29/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2231073
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/29/22	07/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	07/29/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2231067
Diesel Range Organics (C10-C28)	349	25.0	1	07/29/22	07/30/22	
Oil Range Organics (C28-C36)	234	50.0	1	07/29/22	07/30/22	
Surrogate: n-Nonane		93.8 %	50-200	07/29/22	07/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2231078
Chloride	620	20.0	1	07/28/22	07/29/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/1/2022 4:07:53PM

SP1 - 24' - Sep

		E207194-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2231073
Benzene	ND	0.0250	1	07/29/22	07/29/22	
Ethylbenzene	ND	0.0250	1	07/29/22	07/29/22	
Toluene	ND	0.0250	1	07/29/22	07/29/22	
o-Xylene	ND	0.0250	1	07/29/22	07/29/22	
p,m-Xylene	ND	0.0500	1	07/29/22	07/29/22	
Total Xylenes	ND	0.0250	1	07/29/22	07/29/22	
Surrogate: 4-Bromochlorobenzene-PID		98.3 %	70-130	07/29/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2231073
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/29/22	07/29/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	07/29/22	07/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2231067
Diesel Range Organics (C10-C28)	54.9	25.0	1	07/29/22	07/30/22	
Oil Range Organics (C28-C36)	90.0	50.0	1	07/29/22	07/30/22	
Surrogate: n-Nonane		98.2 %	50-200	07/29/22	07/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2231078
Chloride	625	20.0	1	07/28/22	07/29/22	



Benzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

QC Summary Data

3313 Caldera Blvd Midland TX, 79707		Project Number: Project Manager:		20046-0001 Natalie Gladden					8/1/2022 4:07:53PM
		Volatile Or	ganics l	by EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231073-BLK1)							Prepared: 0	7/29/22 A	nalyzed: 07/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			
LCS (2231073-BS1)							Prepared: 0	7/29/22 A	nalyzed: 07/29/22
Benzene	4.71	0.0250	5.00		94.2	70-130			
Ethylbenzene	4.05	0.0250	5.00		80.9	70-130			
Toluene	4.40	0.0250	5.00		88.1	70-130			
-Xylene	4.35	0.0250	5.00		87.1	70-130			
,m-Xylene	8.34	0.0500	10.0		83.4	70-130			
·,,	12.7	0.0250	15.0		84.6	70-130			
Total Xylenes									

5.00

5.00

5.00

10.0

15.0

8.00

97.6

84.5

91.7

90.9

87.4

70-130

70-130

70-130

70-130

70-130

70-130

70-130

3.51

4.40

4.00

4.37

4.63

20

20

20

20

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

4.23

4.58

4.55

8.74



Pitts Energy 3313 Caldera Blvd	Project Name: Project Number:	Federal 54 Well #1 20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/1/2022 4:07:53PM

Midland TX, 79707		Project Manager		italie Gladden					8/1/2022 4:07:53PM	
	Non	Nonhalogenated Organics by EPA 8015D - GRO						Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2231073-BLK1)							Prepared: 0	7/29/22 <i>F</i>	Analyzed: 07/29/22	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130				
LCS (2231073-BS2)							Prepared: 0	7/29/22 <i>A</i>	Analyzed: 07/29/22	
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130				
LCS Dup (2231073-BSD2)							Prepared: 0	7/29/22 <i>F</i>	Analyzed: 07/29/22	
Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.1	70-130	6.30	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130				

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	·
Midland TX, 79707	Project Manager:	Natalie Gladden	8/1/2022 4:07:53PM

Midland TX, 79707		Project Manage	r: Na	talie Gladder	1				8/1/2022 4:07:53PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2231067-BLK1)							Prepared: 0	7/28/22 A	nalyzed: 07/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			
LCS (2231067-BS1)							Prepared: 0	7/28/22 A	nalyzed: 07/29/22
Diesel Range Organics (C10-C28)	239	25.0	250		95.7	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			
Matrix Spike (2231067-MS1)				Source:	E207186-	06	Prepared: 0	7/28/22 A	nalyzed: 07/29/22
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			
Matrix Spike Dup (2231067-MSD1)				Source:	E207186-	06	Prepared: 0	7/28/22 A	nalyzed: 07/29/22
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132	1.26	20	
Surrogate: n-Nonane	43.4		50.0		86.7	50-200			

Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well	#1				Reported:
Midland TX, 79707		Project Manager:		atalie Gladden					8/1/2022 4:07:53PM
	Analyst: RAS								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2231078-BLK1)							Prepared: 0	7/28/22	Analyzed: 07/29/22
Chloride	ND	20.0							
LCS (2231078-BS1)							Prepared: 0	7/28/22	Analyzed: 07/29/22
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2231078-MS1)				Source:	E207179-0)1	Prepared: 0	7/28/22	Analyzed: 07/29/22
Chloride	264	20.0	250	ND	106	80-120			
Matrix Spike Dup (2231078-MSD1)				Source: 1	E207179-()1	Prepared: 0	7/28/22	Analyzed: 07/29/22
Chloride	266	20.0	250	ND	106	80-120	0.716	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Federal 54 Well #1	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
	Midland TX, 79707	Project Manager:	Natalie Gladden	08/01/22 16:07

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



lient:	PiFL	504	26				Bill To				La	b Us	e Onl	у		1		T/	\T	EPA Po	rogram
roiect: F	Pitte	84	Well	FF 1		Attention:ES	5		Lab '	WO#				ob Number 20040-000		1D	2D	3D	Standard	CWA	SDWA
Project N						Address:フーソンソ	now County	Rd	هَعَا	$\Gamma O X$	199						_				
Address:						City, State, Zip	lappe him	38240					Analys	is an	d Meth	od					RCRA
City, Stat	e, Zip				ŀ		3915 639	<u> </u>			i		Ì	l.	}		ì	1			L
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<u>Report d</u>	ue by:]		Lab	8	8	þ þ	3y 8Z	9	ig ig			l '				L
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Number	DRO/ORO by 8015	GRO/DRO by 8015	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chloride 300.0		Верос	BGDOC			Remarks	
	7127	5	1.	5P1-	-14	1-5er)		<u> </u>							_\~	<u></u>				
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Additio	nal Instru	tions:																			
				nticity of this samp		aware that tampering v	with or intentionally mislab	elling the sample	le locat	ion,	ممله	Pa	Sample	in ice a	ring therm It an avg te	al preserv	ation m	ust be re ess than	eceived on ice the da 6°C on subsequent	y they are samp days.	led or received
Relinquis	ned by: (Sign	ature)	7 Date	127122	ime	Received by:	(Signature)	Date 1-20	8-2	Time	3/2	3	L	• 1	on ice		Lab U	se Oi	nly		
Hell	ped by: (Sign	11/1/	Dat	-2824	ime , /	1 KREE	Signature)	Date 7/24/	22	9	d)	<u>T1</u>			<u>T2</u>			<u> </u>		in the second se
Relinquis	hed by: (Sign	ature) (Dat	e T	ime	Received by:	(Signature)	Date		Time	?		AVG	Tem	ip °C_	4		40.4 1.0			
Sample Ma	Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Contained				ainer Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Sar	noles are di	carded 30	days after r	results are repo	rted unl	ess other arrangemen	nts are made. Hazardo	ıs samples wi	ll be re	eturne	d to c	lient c	r dispo	sed o	f at the o	lient ex	pense	. The	report for the a	nalysis of the	above
samples i	s applicable	only to the	se samples	received by the	e laborat	ory with this COC. Th	e liability of the laborat	ory is limited	to the	amou	ınt pai	d for	on the	report	: <u> </u>						

ent or disposed of at the client expense. The report for the analysis of the above for on the report.

Central control of the client expense. The report for the analysis of the above for on the report.

Printed: 7/29/2022 11:00:40AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

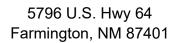
CI: 1	Pitts Energy	Date Received:	07/20/22 00	v.E0	WIGIE	F207104
Client:			07/29/22 09		Work Order ID:	
Phone:	(432) 425-8235	Date Logged In:	07/29/22 08		Logged In By:	Caitlin Christian
Email:		Due Date:	08/01/22 17	7:00 (1 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location man	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: U	TPS .	
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	No	_	<u> </u>	
5. Were a	ll samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.				Comme	nts/Resolution
Sample T	urn Around Time (TAT)					
	COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and pro	ject manager not
Sample C	<u>Cooler</u>				provided on COC.	
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°C	<u> </u>			
Sample (<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers		Yes			
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field Lal						
	field sample labels filled out with the minimum info ample ID?	ormation:	Yes			
	rate/Time Collected?		Yes	L		
	ollectors name?		No			
Sample F	reservation_					
21. Does	the COC or field labels indicate the samples were pr	reserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	se?	No			
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
28. Are sa	amples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab	: na	
Client I	nstruction_					
						0

Date

Report to:

Natalie Gladden





Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E208002

Job Number: 20046-0001

Received: 8/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/2/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/2/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E208002

Date Received: 8/1/2022 8:15:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/1/2022 8:15:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

ſ	Pitts Energy	Project Name: Federal 54 Well #1		Reported:
1	3313 Caldera Blvd	Project Number:	20046-0001	Keporteu:
	Midland TX, 79707	Project Manager:	Natalie Gladden	08/02/22 16:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SP2 - 16' - Sep	E208002-01A	Soil	07/28/22	08/01/22	Glass Jar, 4 oz.
SP2 - 20' - Sep	E208002-02A	Soil	07/28/22	08/01/22	Glass Jar, 4 oz.
SP2 - 26' - Sep	E208002-03A	Soil	07/28/22	08/01/22	Glass Jar, 4 oz.
SP4 - 16' - Sep	E208002-04A	Soil	07/28/22	08/01/22	Glass Jar, 4 oz.
SP4 - 20' - Sep	E208002-05A	Soil	07/28/22	08/01/22	Glass Jar, 4 oz.
SP4 - 22' - Sep	E208002-06A	Soil	07/28/22	08/01/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

SP2 - 16' - Sep E208002-01

	E200002-01				
Result	Reporting Limit	Dilutior	n Prepared	Analyzed	Notes
ma/ka	ma/ka	Ana	•	<u> </u>	Batch: 2232011
		1	-	08/01/22	Batch. 2232011
		1			
		1			
		1	08/01/22	08/01/22	
ND	0.0500	1	08/01/22	08/01/22	
ND	0.0250	1	08/01/22	08/01/22	
	124 %	70-130	08/01/22	08/01/22	
mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232011
ND	20.0	1	08/01/22	08/01/22	
	119 %	70-130	08/01/22	08/01/22	
mg/kg	mg/kg	Ana	alyst: KM		Batch: 2232012
793	25.0	1	08/01/22	08/01/22	
234	50.0	1	08/01/22	08/01/22	
	74.5 %	50-200	08/01/22	08/01/22	
mg/kg	mg/kg	Ana	alyst: KL		Batch: 2232004
301	20.0	1	08/01/22	08/01/22	
	mg/kg ND ND ND ND ND ND ND ND The state of t	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 I24 % mg/kg mg/kg mg/kg ND 20.0 I19 % mg/kg mg/kg mg/kg 793 25.0 234 50.0 74.5 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 mg/kg mg/kg Ana ND 20.0 1 119 % 70-130 70-130 mg/kg mg/kg Ana 793 25.0 1 234 50.0 1 74.5 % 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 08/01/22 ND 0.0250 1 08/01/22 ND 0.0250 1 08/01/22 ND 0.0250 1 08/01/22 ND 0.0500 1 08/01/22 ND 0.0250 1 08/01/22 mg/kg mg/kg Analyst: IY ND 20.0 1 08/01/22 mg/kg mg/kg Analyst: KM 793 25.0 1 08/01/22 234 50.0 1 08/01/22 mg/kg mg/kg Analyst: KM	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 08/01/22 08/01/22 ND 0.0250 1 08/01/22 08/01/22 ND 0.0250 1 08/01/22 08/01/22 ND 0.0500 1 08/01/22 08/01/22 ND 0.0250 1 08/01/22 08/01/22 ND 0.0250 1 08/01/22 08/01/22 mg/kg mg/kg Analyst: IY ND 08/01/22 mg/kg mg/kg Analyst: KM 08/01/22 08/01/22 mg/kg mg/kg Analyst: KM 08/01/22 08/01/22 08/01/22 793 25.0 1 08/01/22 08/01/22 08/01/22 74.5 % 50-200 08/01/22 08/01/22 08/01/22 mg/kg mg/kg Analyst: KL 08/01/22



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

SP2 - 20' - Sep

		E208002-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2232011
Benzene	ND	0.0250	1	08/01/22	08/01/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/01/22	
Toluene	ND	0.0250	1	08/01/22	08/01/22	
o-Xylene	ND	0.0250	1	08/01/22	08/01/22	
p,m-Xylene	0.0740	0.0500	1	08/01/22	08/01/22	
Total Xylenes	0.0740	0.0250	1	08/01/22	08/01/22	
Surrogate: 4-Bromochlorobenzene-PID		123 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232011
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		117 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2232012
Diesel Range Organics (C10-C28)	930	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	184	50.0	1	08/01/22	08/01/22	
Surrogate: n-Nonane		72.6 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232004
Chloride	1560	20.0	1	08/01/22	08/01/22	



Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

SP2 - 26' - Sep

		E208002-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2232011
Benzene	ND	0.0250	1	08/01/22	08/01/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/01/22	
Toluene	ND	0.0250	1	08/01/22	08/01/22	
o-Xylene	ND	0.0250	1	08/01/22	08/01/22	
o,m-Xylene	ND	0.0500	1	08/01/22	08/01/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/01/22	
Surrogate: 4-Bromochlorobenzene-PID		120 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232011
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		115 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2232012
Diesel Range Organics (C10-C28)	81.1	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
Surrogate: n-Nonane		69.6 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2232004
Chloride	577	20.0	1	08/01/22	08/01/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

SP4 - 16' - Sep

		E208002-04				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232011
Benzene	ND	0.0250	1	08/01/22	08/01/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/01/22	
Toluene	ND	0.0250	1	08/01/22	08/01/22	
o-Xylene	ND	0.0250	1	08/01/22	08/01/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/01/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/01/22	
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232011
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		119 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2232012
Diesel Range Organics (C10-C28)	299	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	62.0	50.0	1	08/01/22	08/01/22	
Surrogate: n-Nonane		63.2 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2232004
Chloride	262	20.0	1	08/01/22	08/01/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

SP4 - 20' - Sep

		E208002-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2232011
Benzene	ND	0.0250	1	08/01/22	08/01/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/01/22	
Toluene	ND	0.0250	1	08/01/22	08/01/22	
o-Xylene	ND	0.0250	1	08/01/22	08/01/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/01/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/01/22	
Surrogate: 4-Bromochlorobenzene-PID		120 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232011
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		112 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: KM		Batch: 2232012
Diesel Range Organics (C10-C28)	55.7	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
Surrogate: n-Nonane		69.7 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2232004
Chloride	822	20.0	1	08/01/22	08/01/22	



Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

SP4 - 22' - Sep

		E208002-06				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232011
Benzene	ND	0.0250	1	08/01/22	08/01/22	
Ethylbenzene	ND	0.0250	1	08/01/22	08/01/22	
Toluene	ND	0.0250	1	08/01/22	08/01/22	
o-Xylene	ND	0.0250	1	08/01/22	08/01/22	
p,m-Xylene	ND	0.0500	1	08/01/22	08/01/22	
Total Xylenes	ND	0.0250	1	08/01/22	08/01/22	
Surrogate: 4-Bromochlorobenzene-PID		118 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232011
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/01/22	08/01/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		109 %	70-130	08/01/22	08/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2232012
Diesel Range Organics (C10-C28)	27.9	25.0	1	08/01/22	08/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/01/22	08/01/22	
Surrogate: n-Nonane		50.1 %	50-200	08/01/22	08/01/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2232004
Chloride	803	20.0	1	08/01/22	08/01/22	



	C =	J		
Pitts Energy	Project Name:	Federal 54 Well #1		Reported:
3313 Caldera Blvd	Project Number:	20046-0001		•
Midland TX, 79707	Project Manager:	Natalie Gladden		8/2/2022 4:20:30PM
	Analyst: IY			
Analyte	Reporting Sp	oike Source	Rec	RPD

Analyte	Result	Reporting Limit	Spike Level	Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232011-BLK1)							Prepared: 0	8/01/22 Analy	zed: 08/01/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	9.30		8.00		116	70-130			
LCS (2232011-BS1)							Prepared: 0	8/01/22 Analy	zed: 08/01/22
Benzene	4.58	0.0250	5.00		91.6	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.9	70-130			
Toluene	4.63	0.0250	5.00		92.5	70-130			
o-Xylene	4.71	0.0250	5.00		94.3	70-130			
p,m-Xylene	9.23	0.0500	10.0		92.3	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.35		8.00		117	70-130			
LCS Dup (2232011-BSD1)							Prepared: 0	8/01/22 Analy	zed: 08/02/22
Benzene	4.58	0.0250	5.00		91.5	70-130	0.118	20	
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130	0.169	20	
Toluene	4.63	0.0250	5.00		92.7	70-130	0.202	20	
o-Xylene	4.69	0.0250	5.00		93.9	70-130	0.434	20	
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130	0.334	20	
Total Xylenes	13.9	0.0250	15.0		92.6	70-130	0.367	20	
Surrogate: 4-Bromochlorobenzene-PID	9.08		8.00		113	70-130			



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

Midland TX, 79707		Project Manager		o40-0001 ntalie Gladder	ı				8/2/2022 4:20:30PM
	Non	halogenated (Organics l	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232011-BLK1)							Prepared: 0	8/01/22 Ar	nalyzed: 08/01/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.40		8.00		105	70-130			
LCS (2232011-BS2)							Prepared: 0	8/01/22 Ar	nalyzed: 08/02/22
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			
LCS Dup (2232011-BSD2)							Prepared: 0	8/01/22 Ar	nalyzed: 08/02/22

8.00

70-130

70-130

0.0668

20

20.0

8.44

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	8/2/2022 4:20:30PM

Midland TX, 79707		Project Manage	r: Na	talie Gladder	1			8/2	2/2022 4:20:30PM
	Nonhal	logenated Or	ganics by	EPA 8015I) - DRO	ORO/			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232012-BLK1)							Prepared: 0	8/01/22 Anal	yzed: 08/01/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	36.8		50.0		73.5	50-200			
LCS (2232012-BS1)							Prepared: 0	8/01/22 Anal	yzed: 08/01/22
Diesel Range Organics (C10-C28)	201	25.0	250		80.6	38-132			
urrogate: n-Nonane	36.1		50.0		72.1	50-200			
Matrix Spike (2232012-MS1)				Source:	E208002-	04	Prepared: 0	8/01/22 Anal	yzed: 08/01/22
Diesel Range Organics (C10-C28)	434	25.0	250	299	54.3	38-132			R3
urrogate: n-Nonane	38.3		50.0		76.6	50-200			
Matrix Spike Dup (2232012-MSD1)				Source:	E208002-	04	Prepared: 0	8/01/22 Anal	yzed: 08/01/22
Diesel Range Organics (C10-C28)	561	25.0	250	299	105	38-132	25.5	20	R3
Gurrogate: n-Nonane	33.8		50.0		67.5	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ederal 54 Well 0046-0001	#1				Reported:
Midland TX, 79707		Project Number: Project Manager:		atalie Gladder	1				8/2/2022 4:20:30PM
		Anions	by EPA 3	300.0/9056 <i>E</i>	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232004-BLK1)							Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Chloride	ND	20.0							
LCS (2232004-BS1)							Prepared: 0	8/01/22 A	analyzed: 08/01/22
Chloride	244	20.0	250		97.4	90-110			
Matrix Spike (2232004-MS1)				Source:	E208001-0	01	Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Chloride	355	20.0	250	109	98.3	80-120			
Matrix Spike Dup (2232004-MSD1)				Source:	E208001-0)1	Prepared: 0	8/01/22 A	nalyzed: 08/01/22
Chloride	357	20.0	250	109	99.2	80-120	0.616	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Federal 54 Well #1	
١	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
	Midland TX, 79707	Project Manager:	Natalie Gladden	08/02/22 16:20

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



lient: 1	2:1-	- CO			Т	Bill To		Γ		La	ab Us	e Only					TA	Т	EPA Pr	ogram
roject:	75050	25/0	Freu	#/		Attention: £55		Lab	WO#			Job N	umber		1D	2D	3D	Standard	CWA	SDWA
roject N						Address: 2724 MW County	2 BO	E	1080	<u>ක</u>	<u>고</u>	302	10-0	<u> 10</u>		X				
\ddress:						City, State, Zip Hobbs nm S	3 5240					Analysi	is and M	ethod						RCRA
ity, Stat	e, Zip					Phone: 575 390 129				l										
hone:						Email: Montalie Glad	en_	015	015				ľ			1		1001 00	State	
mail:								8	δ Ā	%	8	╸	8	Į.	Σ	¥		NM CO	UT AZ	IX
Report d	ue by:						190.	욅	8	8	y 82	8	ge	1				<u> </u>		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC			Remarks	
	7.126	S	f :	JP2 -	- 16	6-5cp	4							<u> </u>	<u> </u>					
1	1		<i>[</i> ·	SP2-	2	O'- SEP	2								1					
				SP2	- 7	10 - SED	3								1					
			1.	SP4.	- - }	6-SP	43								1					
		7		5P4	ノ ¹	20'- SEP	5#								K					
	J		1.)	5P4		22'- Sep	65								()					
		!				8/1/a	æ													
										1										
Additio	nal Instru	ctions:										_								
				ticity of this sampl		aware that tampering with or intentionally mislab action. Sampled by: Joseph	elling the samp	le locat	tion,	ıka	da				p above	0 but lo	ess than 6	eived on ice the day		ed or received
Relinguisi	ed by: (Sign	nature)	Date			Received by: (Signaturk)	Date 7	10	Time		5	Rece	ived on	ice:		ab U	se On I	ly		
MW	ed by: (3)		Date	34-2	ne ,	16 Received by (Signature) Late	Date /	22	Time	<u>':/</u> ;	5	T1_		· · · · · · · · · · · · · · · · · · ·	<u>T2</u>			<u>T3</u>		
Relinquis	ed by: (Sign	năture)	Date	e Tir	ne	Received by: (Signature)	Date		Time	e		AVG	Temp °	c2	1					
Sample Ma	trix: S - Soil,	Sd - Solid, Sg	- Sludge, A -	Aqueous, O - Othe	r		Containe	er Typ	e: g -	glass	s, p - p	oly/pla	astic, ag	- amb	er gla	ss, v	- VOA			
Note: Sar	noles are di	scarded 30	days after r	esults are report	ed unl	ess other arrangements are made. Hazardo	ıs samples wi	ll be re	eturne	ed to c	lient c	or dispo	sed of at	the cli	ent ex	pense	. The	report for the ar	alysis of the	above
samples i	s applicable	only to the	se samples	received by the	laborat	tory with this COC. The liability of the laborat	ory is limited	to the	amou	ınt pa	id for o	on the r	eport.							

Printed: 8/1/2022 10:04:03AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Clionts	Pitts Energy	Date Received:	08/01/22 08	·15	<u> </u>	Work Order ID:	E208002
Client:							Caitlin Christian
Phone: Email:	(432) 425-8235	Date Logged In: Due Date:	08/01/22 08	7:00 (1 day TAT)		Logged In By:	Caitiin Christian
Ellian.		Due Date.	08/02/22 17	.00 (1 day 1A1)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	JPS		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	No	_			
5. Were a	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic					Comments	s/Resolution
Sample T	urn Around Time (TAT)	эн.		ı			
	COC indicate standard TAT, or Expedited TAT?		Yes		Time samp	led and proje	ct manager not
Sample C			103		provided o		J
	sample cooler received?		Yes		provided o	n coc.	
	was cooler received in good condition?		Yes				
•	e sample(s) received intact, i.e., not broken?						
	custody/security seals present?		Yes				
	were custody/security seals intact?		No				
•	, ,		NA				
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers?	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lal							
	field sample labels filled out with the minimum info	rmation:	V				
	ample ID? vate/Time Collected?		Yes	l			
	ollectors name?		Yes No				
Sample F	reservation		110				
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	ract Laboratory						
	amples required to get sent to a subcontract laborator	rv?	No				
	subcontract laboratory specified by the client and if	-		Subcontract Lab	o: na		
	nstruction						
<u>CHEIR II</u>	isti uction						
					<u> </u>		

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E208019

Job Number: 20046-0001

Received: 8/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/4/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/4/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E208019

Date Received: 8/3/2022 10:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/3/2022 10:00:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pitts Energy	Project Name:	Federal 54 Well #1	Donoutoda
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	08/04/22 16:29

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1 - Surf - Sep	E208019-01A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW1 - 2' - Sep	E208019-02A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW2 - Surf - Sep	E208019-03A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW2 - 2' - Sep	E208019-04A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW3 - Surf - Sep	E208019-05A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW3 - 2' - Sep	E208019-06A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW4 - Surf - Sep	E208019-07A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW4 - 2' - Sep	E208019-08A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW5 - Surf - Sep	E208019-09A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW5 - 2' - Sep	E208019-10A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW6 - Surf - Sep	E208019-11A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW6 - 2' - Sep	E208019-12A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW7 - Surf - Sep	E208019-13A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.
SW7 - 2' - Sep	E208019-14A	Soil	08/01/22	08/03/22	Glass Jar, 4 oz.

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW1 - Surf - Sep E208019-01

		E208019-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Mayee	resur	- Emili	Dittion	Теригеа	7 mary zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/03/22	
Toluene	ND	0.0250	1	08/03/22	08/03/22	
o-Xylene	ND	0.0250	1	08/03/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/03/22	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	172	50.0	2	08/03/22	08/03/22	
Oil Range Organics (C28-C36)	112	100	2	08/03/22	08/03/22	
Surrogate: n-Nonane		121 %	50-200	08/03/22	08/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232067
Chloride	64.1	20.0	1	08/03/22	08/03/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW1 - 2' - Sep

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/03/22	
Toluene	ND	0.0250	1	08/03/22	08/03/22	
o-Xylene	ND	0.0250	1	08/03/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/03/22	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	194	50.0	2	08/03/22	08/03/22	
Oil Range Organics (C28-C36)	131	100	2	08/03/22	08/03/22	
Surrogate: n-Nonane		130 %	50-200	08/03/22	08/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232067
Chloride	64.9	20.0	1	08/03/22	08/03/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW2 - Surf - Sep

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/03/22	
Toluene	ND	0.0250	1	08/03/22	08/03/22	
o-Xylene	ND	0.0250	1	08/03/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/03/22	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	171	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	185	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		128 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2232067
Chloride	25.5	20.0	1	08/03/22	08/03/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW2 - 2' - Sep

		2200019 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	•		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/03/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/03/22	
Toluene	ND	0.0250	1	08/03/22	08/03/22	
o-Xylene	ND	0.0250	1	08/03/22	08/03/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/03/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/03/22	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	08/03/22	08/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2232069
Diesel Range Organics (C10-C28)	50.0	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	69.3	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		125 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232067
Chloride	ND	20.0	1	08/03/22	08/03/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW3 - Surf - Sep

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	132	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	156	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		123 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232067
Chloride	174	20.0	1	08/03/22	08/03/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW3 - 2' - Sep

		2200019 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	*	1 11111/200	Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		91.9 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	45.0	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	57.2	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		113 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232067
Chloride	ND	20.0	1	08/03/22	08/03/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW4 - Surf - Sep

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.9 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	290	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	321	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		124 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2232067
	312	<u> </u>		08/03/22	08/03/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW4 - 2' - Sep

E20		

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	136	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	133	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		126 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2232067
Chloride	422	20.0	1	08/03/22	08/04/22	



Chloride

Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW5 - Surf - Sep

E208019-09 Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: IY Batch: 2232065 mg/kg mg/kg Volatile Organics by EPA 8021B 08/03/22 08/04/22 ND 0.0250 Benzene 1 08/03/22 08/04/22 Ethylbenzene ND 0.0250ND 0.02501 08/03/22 08/04/22 Toluene 1 08/03/22 08/04/22 o-Xylene ND 0.02501 08/03/22 08/04/22 ND 0.0500 p,m-Xylene 08/04/22 08/03/22 1 Total Xylenes ND 0.025008/03/22 08/04/22 99.5 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: IY Batch: 2232065 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 08/04/22 ND 20.0 1 08/03/22 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 94.4 % 08/03/22 08/04/22 70-130 mg/kg mg/kg Analyst: JL Batch: 2232069 Nonhalogenated Organics by EPA 8015D - DRO/ORO 25.0 08/03/22 08/04/22 205 Diesel Range Organics (C10-C28) 08/03/22 08/04/22 Oil Range Organics (C28-C36) 117 50.0 1 08/03/22 08/04/22 Surrogate: n-Nonane 115 % 50-200 Analyst: RAS Batch: 2232067 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

08/03/22

08/04/22

1800



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW5 - 2' - Sep

		E208019-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	85.8	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	100	2	08/03/22	08/04/22	
Surrogate: n-Nonane		118 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232067
Chloride	547	20.0	1	08/03/22	08/04/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW6 - Surf - Sep

		2200017 11				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		vst: IY	7 mary zea	Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		98.4 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	335	125	5	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	384	250	5	08/03/22	08/04/22	
Surrogate: n-Nonane		110 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2232067
Chloride	384	20.0	1	08/03/22	08/04/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW6 - 2' - Sep

		E208019-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
o,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	ND	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		126 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232067
Chloride	ND	20.0	1	08/03/22	08/04/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW7 - Surf - Sep

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	293	50.0	2	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	388	100	2	08/03/22	08/04/22	
Surrogate: n-Nonane		131 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2232067
Chloride	28.9	20.0	1	08/03/22	08/04/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

SW7 - 2' - Sep

E20801	9_14
E2U0U1	9-14

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2232065
Benzene	ND	0.0250	1	08/03/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/03/22	08/04/22	
Toluene	ND	0.0250	1	08/03/22	08/04/22	
o-Xylene	ND	0.0250	1	08/03/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/03/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/03/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2232065
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/03/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	08/03/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2232069
Diesel Range Organics (C10-C28)	206	25.0	1	08/03/22	08/04/22	
Oil Range Organics (C28-C36)	230	50.0	1	08/03/22	08/04/22	
Surrogate: n-Nonane		125 %	50-200	08/03/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg mg/kg		Analyst: RAS			Batch: 2232067
Chloride	96.0	20.0	1	08/03/22	08/04/22	



Federal 54 Well #1 Pitts Energy Project Name: Reported: 3313 Caldera Blvd Project Number: 20046-0001 Midland TX, 79707 Project Manager: Natalie Gladden 8/4/2022 4:29:08PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2232065-BLK1) Prepared: 08/03/22 Analyzed: 08/03/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.07 8.00 101 70-130 LCS (2232065-BS1) Prepared: 08/03/22 Analyzed: 08/03/22 4.68 93.6 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.55 0.0250 5.00 91.0 70-130 4.71 0.0250 5.00 94.2 70-130 Toluene 93.1 o-Xylene 4.66 0.0250 5.00 70-130 9.22 10.0 92.2 70-130 0.0500 p.m-Xvlene 92.5 70-130 13.9 15.0 Total Xylenes 0.0250 8.00 101 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.08 Matrix Spike (2232065-MS1) Source: E208019-02 Prepared: 08/03/22 Analyzed: 08/03/22 5.30 0.0250 5.00 ND 54-133 Benzene ND 103 61-133 Ethylbenzene 5.17 0.0250 5.00 Toluene 5.34 0.0250 5.00 ND 107 61-130 5.27 ND 105 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.34 8.00 Matrix Spike Dup (2232065-MSD1) Source: E208019-02 Prepared: 08/03/22 Analyzed: 08/03/22 4.63 0.0250 5.00 ND 92.5 54-133 13.6 20 61-133 13.5 4.52 0.0250 5.00 ND 90.3 20 Ethylbenzene 61-130 Toluene 4 66 0.0250 5.00 ND 93.2 13.6 20 4.60 5.00 ND 92.0 63-131 13.6 20 o-Xylene 0.0250

10.0

15.0

8.00

0.0500

0.0250

ND

ND

91.4

91.6

104

63-131

63-131

70-130

13.4

13.4

20

20



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.14

13.7

8.31

Pitts Energy 3313 Caldera Blvd	Project Name: Project Number:	Federal 54 Well #1 20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

Midland TX, 79707		Project Manage	r: Na	atalie Gladder	n			8.	/4/2022 4:29:08PM
	Noi	nhalogenated	Organics	by EPA 80	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232065-BLK1)							Prepared: 0	8/03/22 Ana	lyzed: 08/03/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			
LCS (2232065-BS2)							Prepared: 0	8/03/22 Ana	lyzed: 08/03/22
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			
Matrix Spike (2232065-MS2)				Source:	E208019-	02	Prepared: 0	8/03/22 Ana	lyzed: 08/03/22
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			
Matrix Spike Dup (2232065-MSD2)				Source:	E208019-	02	Prepared: 0	8/03/22 Ana	lyzed: 08/03/22
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.1	70-130	10.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			



Pitts Energy 3313 Caldera Blvd	Project Name: Project Number:	Federal 54 Well #1 20046-0001	Reported:
Midland TX, 79707	Project Number: Project Manager:	Natalie Gladden	8/4/2022 4:29:08PM

Midland TX, 79707		Project Manage	r: Na	ntalie Gladder	n			8	3/4/2022 4:29:08PM
	Nonha	logenated Or	Analyst: JL						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232069-BLK1)							Prepared: 0	8/03/22 Ana	alyzed: 08/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.1		50.0		110	50-200			
LCS (2232069-BS1)							Prepared: 0	8/03/22 Ana	alyzed: 08/03/22
Diesel Range Organics (C10-C28)	256	25.0	250		103	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike (2232069-MS1)				Source:	E208019-	12	Prepared: 0	8/03/22 Ana	alyzed: 08/03/22
Diesel Range Organics (C10-C28)	291	125	250	ND	116	38-132			
Surrogate: n-Nonane	58.7		50.0		117	50-200			
Matrix Spike Dup (2232069-MSD1)				Source:	E208019-	12	Prepared: 0	8/03/22 Ana	alyzed: 08/03/22
Diesel Range Organics (C10-C28)	316	125	250	ND	126	38-132	8.17	20	
Surrogate: n-Nonane	56.0		50.0		112	50-200			



Pitts Energy	·	Project Name:	•						Reported:
3313 Caldera Blvd Midland TX, 79707		Project Number: Project Manager:		0046-0001 atalie Gladder	ı				8/4/2022 4:29:08PM
		Anions	by EPA 3	300.0/9056 <i>£</i>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232067-BLK1)							Prepared: 0	8/03/22 A	analyzed: 08/03/22
Chloride	ND	20.0							
LCS (2232067-BS1)							Prepared: 0	8/03/22 A	analyzed: 08/03/22
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2232067-MS1)				Source:	E208019-0	01	Prepared: 0	8/03/22 A	analyzed: 08/03/22
Chloride	314	20.0	250	64.1	99.8	80-120			
Matrix Spike Dup (2232067-MSD1)				Source:	E208019-0)1	Prepared: 0	8/03/22 A	analyzed: 08/03/22
Chloride	315	20.0	250	64.1	100	80-120	0.512	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	08/04/22 16:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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Client: Y	241	Energi	<u> </u>			Т	Ri	II To		Τ		l a	h Hs	e Onl			$\overline{}$			TAT			EPA P	rogra	m
Project:	Polera	Energi SU	Weil	#1		Attention:	ESS"			Lab V	WO#		0 03	Job N	y lumb	er	11) 2	D 13			dard	CWA	SD	
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City, Stat	e, Zip					Phone: 5	15 590	6397		1		İ		- 1							_		L		
Email:						Email: Fla	HOLLIC	Gladder	<u> </u>	8015	8015										N	MI CO	State UT AZ	1 7	\vdash
Report di	ue by:	T								O by	o by	8021	3260	8	300.	İ		2	×		K	N D	OT AL	+'^-	$\vdash\vdash\vdash$
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех _{бу} 8021	VOC by 8260	Metals 6010	Chloride 300.0			Benoc	BGDOC				Remarks	;	
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Addition	al Instruc	tions:					ı																		
I, (field samp	ler), attest to	the validity	and authent	icity of this sam	ple. I am a	aware that tame	ering with or in	tentionally mislabe	lling the samp	le locati	ion, _			Sample	s requir	ing thern	nal pres	ervatio	n must	be recei	ived on	ice the day	they are samp	pled or re	eceived
date or time	of collection	is considered	d fraud and r	may be grounds			Sampled t	* Jaroon K	inder O	ado	an R	NO E	X.	packed	in ice at	t an avg t	emp at					bsequent d	ays.		
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Note: Samp	oles are disc	arded 30 d	ays after re	sults are repo	rted unle	ss other arran	gements are r	nade. Hazardou	s samples wi	ll be re	turne	d to cl	ient o	r dispo	sed of	at the	client	expe	nse. '	The re	port f	or the an	alvsis of th	e above	e

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Project In	formatio	on					c	hain of Cu	stody													Page	of <u>Z</u>	<u>'</u>
Client	ille	Enor		T			Bill To					اد ا	h Hse	e Onl	···		Τ-		T	AT		FDA D	rogram	7
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					ab mber	DRO/ORO by 8015	GRO/DRO by 8015	втех ьу 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC				Remark	S	
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				esults are reported received by the lab			ents are made. Haz										client (expens	e. Th	e repo	rt for the a	nalysis of tl	ne above	

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Printed: 8/3/2022 1:23:49PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts Energy I	Date Received:	08/03/22 1	0:00	Wo	ork Order ID:	E208019
Phone:	(432) 425-8235	Date Logged In:	08/03/22 0	9:23	Lo	ogged In By:	Caitlin Christian
Email:		Due Date:		7:00 (1 day TAT)	20	gged in Dy i	Cumin Cimbrian
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location match	the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	IDC		
	e COC complete, i.e., signatures, dates/times, requeste	d analyses?	No	Carrier. <u>C</u>	<u>) F 5</u>		
	Il samples received within holding time?	a anarysos.	Yes				
	Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion	•				Comments	s/Resolution
Sample T	<u> Urn Around Time (TAT)</u>				m' 1		
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		_		ct manager not
Sample (<u>Cooler</u>				provided on (COC.	
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are r minutes of sampling	eceived w/i 15	Yes				
	visible ice, record the temperature. Actual sample to	mperature: 4°C	<u> </u>				
	Container VOC		3.7				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	11 . 10	Yes				
	appropriate volume/weight or number of sample container	's collected?	Yes				
Field Lal		4					
	field sample labels filled out with the minimum informample ID?	nation:	Yes				
	atte/Time Collected?		No	l			
	ollectors name?		No				
Sample I	reservation_						
21. Does	the COC or field labels indicate the samples were pres	served?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved me	tals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	?	No				
	, does the COC specify which phase(s) is to be analyze		NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laboratory	9	No				
	subcontract laboratory specified by the client and if s			Subcontract Lab	o: na		
Client I	<u>nstruction</u>						

Date

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Federal 54 Well #1

Work Order: E208030

Job Number: 20046-0001

Received: 8/4/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 8/5/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 8/5/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Federal 54 Well #1

Workorder: E208030

Date Received: 8/4/2022 10:00:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/4/2022 10:00:00AM, under the Project Name: Federal 54 Well #1.

The analytical test results summarized in this report with the Project Name: Federal 54 Well #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

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whinchman@envirotech-inc.com

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

Technical Representative

Rayny Hagan

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

ſ	Pitts Energy	Project Name:	Project Name: Federal 54 Well #1			
1	3313 Caldera Blvd	Project Number:	20046-0001	Reported:		
	Midland TX, 79707	Project Manager:	Natalie Gladden	08/05/22 16:14		

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SP1 - 28 - Sep	E208030-01A Soil	08/02/22	08/04/22	Glass Jar, 4 oz.
SP5 - 40' - Sep	E208030-02A Soil	08/02/22	08/04/22	Glass Jar, 4 oz.
SP1 - 14' - Bty	E208030-03A Soil	08/02/22	08/04/22	Glass Jar, 4 oz.
SP4 - 14' - Bty	E208030-04A Soil	08/02/22	08/04/22	Glass Jar, 4 oz.



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/5/2022 4:14:18PM

SP1 - 28 - Sep E208030-01

		E208030-01				
Austra	D14	Reporting			A a laa d	Notes
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2232082
Benzene	ND	0.0250	1	08/04/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/04/22	08/04/22	
Toluene	ND	0.0250	1	08/04/22	08/04/22	
o-Xylene	ND	0.0250	1	08/04/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/04/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/04/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2232082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/04/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2232087
Diesel Range Organics (C10-C28)	438	25.0	1	08/04/22	08/04/22	
Oil Range Organics (C28-C36)	248	50.0	1	08/04/22	08/04/22	
Surrogate: n-Nonane		93.8 %	50-200	08/04/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2232089
Chloride	280	20.0	1	08/04/22	08/04/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/5/2022 4:14:18PM

SP5 - 40' - Sep

		E208030-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2232082
Benzene	ND	0.0250	1	08/04/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/04/22	08/04/22	
Toluene	ND	0.0250	1	08/04/22	08/04/22	
o-Xylene	ND	0.0250	1	08/04/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/04/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/04/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2232082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/04/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2232087
Diesel Range Organics (C10-C28)	429	25.0	1	08/04/22	08/04/22	
Oil Range Organics (C28-C36)	237	50.0	1	08/04/22	08/04/22	
Surrogate: n-Nonane		98.1 %	50-200	08/04/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2232089
Chloride	276	20.0	1	08/04/22	08/04/22	



Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/5/2022 4:14:18PM

SP1 - 14' - Bty

		E208030-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232082
Benzene	ND	0.0250	1	08/04/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/04/22	08/04/22	
Toluene	ND	0.0250	1	08/04/22	08/04/22	
o-Xylene	ND	0.0250	1	08/04/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/04/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/04/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2232082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/04/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.8 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2232087
Diesel Range Organics (C10-C28)	ND	25.0	1	08/04/22	08/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/04/22	08/04/22	
Surrogate: n-Nonane		81.5 %	50-200	08/04/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2232089
Chloride	ND	20.0	1	08/04/22	08/04/22	



Chloride

Sample Data

Pitts Energy	Project Name:	Federal 54 Well #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	8/5/2022 4:14:18PM

SP4 - 14' - Bty

		E208030-04				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2232082
Benzene	ND	0.0250	1	08/04/22	08/04/22	
Ethylbenzene	ND	0.0250	1	08/04/22	08/04/22	
Toluene	ND	0.0250	1	08/04/22	08/04/22	
o-Xylene	ND	0.0250	1	08/04/22	08/04/22	
p,m-Xylene	ND	0.0500	1	08/04/22	08/04/22	
Total Xylenes	ND	0.0250	1	08/04/22	08/04/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2232082
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/04/22	08/04/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	08/04/22	08/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2232087
Diesel Range Organics (C10-C28)	2080	25.0	1	08/04/22	08/04/22	
Oil Range Organics (C28-C36)	913	50.0	1	08/04/22	08/04/22	
Surrogate: n-Nonane		98.0 %	50-200	08/04/22	08/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2232089

20.0

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08/04/22

1

08/04/22



		QC 50	A 1 1 1 1 1 1 1 C	iry Dat					
Pitts Energy 3313 Caldera Blvd	Project Name: Project Number:		ederal 54 Well	#1				Reported:	
Midland TX, 79707		Project Number: Project Manager:		0046-0001 atalie Gladdei	_				8/5/2022 4:14:18PM
Midiand 1A, 79707		Project Manager:	IN	atane Gradder	1				6/3/2022 4.14.16FW
	21B				Analyst: IY				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232082-BLK1)							Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.37		8.00		105	70-130			
LCS (2232082-BS1)							Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.18	0.0250	5.00		104	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
o,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.45		8.00		106	70-130			
Matrix Spike (2232082-MS1)				Source:	E208031-	02	Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Benzene	4.87	0.0250	5.00	ND	97.3	54-133			
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133			
Toluene	4.90	0.0250	5.00	ND	98.0	61-130			
p-Xylene	4.85	0.0250	5.00	ND	96.9	63-131			
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.50		8.00		106	70-130			
Matrix Spike Dup (2232082-MSD1)				Source:	E208031-	02	Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Benzene	4.71	0.0250	5.00	ND	94.2	54-133	3.26	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	61-133	3.60	20	
Toluene	4.74	0.0250	5.00	ND	94.8	61-130	3.28	20	
o-Xylene	4.68	0.0250	5.00	ND	93.7	63-131	3.37	20	
p,m-Xylene	9.24	0.0500	10.0	ND	92.4	63-131	3.70	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.8	63-131	3.59	20	

8.00

8.45

70-130



Surrogate: 4-Bromochlorobenzene-PID

Pitts Energy 3313 Caldera Blvd	Project Name: Project Number:	Federal 54 Well #1 20046-0001	Reported:
Midland TX, 79707	Project Number: Project Manager:	Natalie Gladden	8/5/2022 4:14:18PM

Midland TX, 79707		Project Manage	r: Na	talie Gladder	1			8/5	/2022 4:14:18PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2232082-BLK1)							Prepared: 0	8/04/22 Analy	zed: 08/04/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.6	70-130			
LCS (2232082-BS2)							Prepared: 0	8/04/22 Analy	zed: 08/04/22
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			
Matrix Spike (2232082-MS2)				Source:	E208031-	02	Prepared: 0	8/04/22 Analy	zed: 08/04/22
Gasoline Range Organics (C6-C10)	38.8	20.0	50.0	ND	77.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.3	70-130			
Matrix Spike Dup (2232082-MSD2)				Source:	E208031-	02	Prepared: 0	8/04/22 Analy	zed: 08/04/22
Gasoline Range Organics (C6-C10)	36.7	20.0	50.0	ND	73.4	70-130	5.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			

Pitts Energy	Project Name:	Federal 54 Well #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	0/5/2022 4 14 10DM
Midland TX, 79707	Project Manager:	Natalie Gladden	8/5/2022 4:14:18PM

Midland TX, 79707		Project Manage	r: Na	italie Gladder	1			8/5	5/2022 4:14:18PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes
	96	99			70	70		70	rvotes
Blank (2232087-BLK1)							Prepared: 0	8/04/22 Analy	yzed: 08/04/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	50-200			
LCS (2232087-BS1)							Prepared: 0	8/04/22 Anal	yzed: 08/04/22
Diesel Range Organics (C10-C28)	236	25.0	250		94.4	38-132			
Surrogate: n-Nonane	48.8		50.0		97.7	50-200			
Matrix Spike (2232087-MS1)				Source:	E208030-	04	Prepared: 0	8/04/22 Analy	yzed: 08/04/22
Diesel Range Organics (C10-C28)	1390	25.0	250	2080	NR	38-132			M4
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			
Matrix Spike Dup (2232087-MSD1)				Source:	E208030-	04	Prepared: 0	8/04/22 Analy	yzed: 08/04/22
Diesel Range Organics (C10-C28)	1130	25.0	250	2080	NR	38-132	21.4	20	M4, R3
Surrogate: n-Nonane	46.8		50.0		93.7	50-200			



Pitts Energy		Project Name:		deral 54 Well	#1				Reported:
3313 Caldera Blvd Midland TX, 79707		Project Number: Project Manager:		046-0001 atalie Gladder	ı				8/5/2022 4:14:18PM
		Anions l	by EPA 3	00.0/9056	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2232089-BLK1)							Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Chloride	ND	20.0							
LCS (2232089-BS1)							Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2232089-MS1)				Source:	E208030-	01	Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Chloride	554	20.0	250	280	110	80-120			
Matrix Spike Dup (2232089-MSD1)				Source:	E208030-	01	Prepared: 0	8/04/22 A	nalyzed: 08/04/22
Chloride	611	20.0	250	280	132	80-120	9.75	20	M2

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Federal 54 Well #1	
l	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
١	Midland TX, 79707	Project Manager:	Natalie Gladden	08/05/22 16:14

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



pject Information	Chain o	of Custody												Page _	<u> </u>
ent: Pitte Energy oject: Frderal 54 Well # 1	Bill To					b Use					····	T/			Program
oject Manager: Idress:	Attention: F55 Address: 2524 NW County R City, State, Zip Hobbs NM S Phone: 575 390 6397	d 8040	Lab V E 2	NO#			Job N <u>20</u> Analv	Numb CU(sis and	er Meth		2D	30	Standar	d CWA	SDWA RCRA
ty, State, Zip none:	Phone: 575 390 6397 Email: Matalie Gladden		015	015			ĺ							State	
nail: port due by:			DRO/ORO by 8015	GRO/DRO by 8015	, 8021	8260	6010	Chloride 300.0		Ş	녿		NM (OUT	AZ TX
Time Date Matrix No. of Containers Sample ID		Lab Number	DRO/O	GRO/D	ВТЕХ by 8021	VOC by 8260	Metals 6010	Chlorid		Вевос	BGDOC			Remai	·ks
9-2 5 1 5P1-	28- Sep	1								<u>\</u>	/				
(1 5P5-	40'- Sep	2								7					
SP1-	14 - Bty	3					_			\downarrow)				- .	
/ / SP4-	14'- Bty	4								1					
								_		_	ļ	<u> </u>			
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		<u> </u>								_	ļ	-			·
dditional Instructions:		<u> </u>													
field sampler), attest to the validity and authenticity of this sample.	I am aware that tampering with or intentionally mislabelli	ng the sample	locatio	on,		1 -	Sample	es requiri	ng therm	al preserv	ation m	ust be re	eceived on ice the	day they are sa	impled or receive
te or time of collection is considered fraud and may be grounds for le linquished by: (Signature) Date Time	egal action. Sampled by: Tordon Received by: (Signafur),	Date 2	Por-	Time	Pan	2	packed	in ice at	an avg te	mp above	0 but l	ess than Ise Oi	6°C on subseque	nt days.	
Fordon Ponder 8-7-22 Inquished by: (Signature) Date Time	Received by (Signal Gre)	27/1/2		Time	1		Rec	eived	on ice		ı (رَ	N			
elinquisned by Slanda Ure Dafe Tiple	Received by: (Signature)	0/4/2 Date		Time	<u>U</u>	١	<u>F1</u>	Tem		<u></u>			<u>T3</u>		_
<u> </u>	1	1		1			iavg	Lem	n C						

Printed: 8/4/2022 1:49:20PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts Energy	Date Received:	08/04/22 10:0	00	Work Order II	D: E	E208030
Phone:	(432) 425-8235	Date Logged In:	08/04/22 10:4	17	Logged In By	: 1	Alexa Michaels
Email:		Due Date:		00 (1 day TAT)			
	Custody (COC)						
	ne sample ID match the COC?	tab the COC	Yes				
	ne number of samples per sampling site location ma camples dropped off by client or carrier?	ich the COC	Yes	~			
	e COC complete, i.e., signatures, dates/times, reque	etad analysas?	Yes No	Carrier: <u>U</u>	<u>iPS</u>		
	Il samples received within holding time?	sted analyses:	Yes				
J. Were a	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		103	F	Comm	nents/I	Resolution
Sample T	urn Around Time (TAT)				D 1 1	, •	1 1 .
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project manager and	tıme	sampled not
Sample C	<u>Cooler</u>				provided on the coc.		
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
Sample C			=				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		No				
	reservation the COC or field labels indicate the samples were p	recerved?	No				
	imple(s) correctly preserved?	reserved:	NA NA				
	filteration required and/or requested for dissolved n	netals?	No				
	se Sample Matrix		110				
	se Sample <u>Watrix</u> the sample have more than one phase, i.e., multipha	uca?	No				
	does the COC specify which phase(s) is to be anal-		No				
•		yzeu.	NA				
	act Laboratory	_					
	amples required to get sent to a subcontract laborato	•	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA Su	bcontract Lab	: NA		
Client In	<u>istruction</u>						

Date

Signature of client authorizing changes to the COC or sample disposition.

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Fed 54 #1

Work Order: E208155

Job Number: 20046-0001

Received: 8/29/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/8/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/8/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Fed 54 #1 Workorder: E208155

Date Received: 8/29/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2022 10:30:00AM, under the Project Name: Fed 54 #1.

The analytical test results summarized in this report with the Project Name: Fed 54 #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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labadmin@envirotech-inc.com

Field Offices:

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Pitts Energy	Project Name:	Fed 54 #1	P. (1
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	09/08/22 11:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Batt SP2 - 42'	E208155-01A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SP3 - 44'	E208155-02A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SP-4 -18	E208155-03A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SP5 - 40'	E208155-04A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SP7 - 18'	E208155-05A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SP8 - 16	E208155-06A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SP9 - 18	E208155-07A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW1 Surf	E208155-08A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW1 - 4'	E208155-09A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW2 Surf	E208155-10A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW2 - 4'	E208155-11A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW3 Surf	E208155-12A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW3 - 4'	E208155-13A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW4 Surf	E208155-14A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW4 - 4'	E208155-15A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW5 Surf	E208155-16A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW5 - 4'	E208155-17A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW6 - Surf	E208155-18A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW6 - 4'	E208155-19A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW7 - Surf	E208155-20A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Batt SP2 - 42' E208155-01

		E200133-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:	•	1 mary 200	Batch: 2236007
Volatile Organic Compounds by EPA 8260B Benzene	ND	0.0250		1	08/29/22	08/29/22	Batch. 2230007
Ethylbenzene	ND ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		95.5 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.5 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		95.5 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.5 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane		86.1 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2236014
Chloride	346	20.0		1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Batt SP3 - 44' E208155-02

		E208155-02					
Analyte	Result	Reporting Limit	Dilu	ıti on	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilu	ition	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236007
Benzene	ND	0.0250	1	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.2 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.7 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.2 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.7 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/29/22	08/29/22	
Surrogate: n-Nonane		98.6 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236014
Chloride	105	20.0	1	1	08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SP-4 -18 E208155-03

		E200133-03					
	D 1	Reporting					N .
Analyte	Result	Limit	Dilt	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236007
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	į	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.6 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.6 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane		94.0 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236014
Chloride	516	20.0		1	08/29/22	08/29/22	



Pit	ts Energy	Project Name:	Fed 54 #1	
33	13 Caldera Blvd	Project Number:	20046-0001	Reported:
Mi	dland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Batt SP5 - 40'

		E208155-04					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	-		Batch: 2236007
Benzene	ND	0.0250	1		08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1		08/29/22	08/29/22	
Toluene	ND	0.0250	1		08/29/22	08/29/22	
o-Xylene	ND	0.0250	1		08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1		08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1		08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		92.2 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.4 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		92.2 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.4 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KI	M		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1		08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1		08/29/22	08/29/22	
Surrogate: n-Nonane		97.1 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RA	AS		Batch: 2236014
Chloride	353	20.0	1		08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SP7 - 18'

E208155-05

		2200100 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dii	ution	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	ng/kg mg/kg		Analyst	: IY		Batch: 2236007
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		90.9 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.7 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		90.9 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.7 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane		97.5 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2236014
Chloride	107	20.0	_	1	08/29/22	08/29/22	<u> </u>



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SP8 - 16 E208155-06

		E200100 00				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ai	nalyst: IY		Batch: 2236007
Benzene	ND	0.0250	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		91.6 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ai	nalyst: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		91.6 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		101 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ai	nalyst: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		90.4 %	50-200	08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ai	nalyst: RAS		Batch: 2236014
Chloride	506	20.0	1	08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SP9 - 18 E208155-07

		E200133-07				
	D 1	Reporting				N
Analyte	Result	Limit	Diluti	ion Prepa	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2236007
Benzene	ND	0.0250	1	08/29	/22 08/29/22	
Ethylbenzene	ND	0.0250	1	08/29	/22 08/29/22	
Toluene	ND	0.0250	1	08/29	/22 08/29/22	
o-Xylene	ND	0.0250	1	08/29	/22 08/29/22	
p,m-Xylene	ND	0.0500	1	08/29	/22 08/29/22	
Total Xylenes	ND	0.0250	1	08/29	/22 08/29/22	
Surrogate: Bromofluorobenzene		90.4 %	70-130	08/29	/22 08/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	08/29	/22 08/29/22	
Surrogate: Toluene-d8		97.8 %	70-130	08/29	/22 08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29	/22 08/29/22	
Surrogate: Bromofluorobenzene		90.4 %	70-130	08/29	/22 08/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	08/29	/22 08/29/22	
Surrogate: Toluene-d8		97.8 %	70-130	08/29	/22 08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29	/22 08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29	/22 08/29/22	
Surrogate: n-Nonane		103 %	50-200	08/29/	/22 08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2236014
Chloride	318	20.0	1	08/29/	/22 08/29/22	



 Pitts Energy
 Project Name:
 Fed 54 #1

 3313 Caldera Blvd
 Project Number:
 20046-0001
 Reported:

 Midland TX, 79707
 Project Manager:
 Natalie Gladden
 9/8/2022 11:41:54AM

Batt SW1 Surf E208155-08

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	g/kg mg/kg		Analyst: I	Y		Batch: 2236007
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.9 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.9 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: I	KM		Batch: 2236006
Diesel Range Organics (C10-C28)	498	25.0		1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	274	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane		99.7 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2236014
Chloride	766	20.0		1	08/29/22	08/29/22	



 Pitts Energy
 Project Name:
 Fed 54 #1

 3313 Caldera Blvd
 Project Number:
 20046-0001
 Reported:

 Midland TX, 79707
 Project Manager:
 Natalie Gladden
 9/8/2022 11:41:54AM

Batt SW1 - 4' E208155-09

		1200133-07					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilu	шоп	rrepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2236007
Benzene	ND	0.0250	1	l	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	l	08/29/22	08/30/22	
Toluene	ND	0.0250	1	[08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	[08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	[08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	l	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		95.7 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		95.7 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: Kl	M		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	I	08/29/22	08/30/22	
Surrogate: n-Nonane		99.7 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2236014
Chloride	550	20.0	1	1	08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SW2 Surf E208155-10

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	/kg mg/kg		Analyst: IY			Batch: 2236007
Benzene	ND	0.0250		1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250]	1	08/29/22	08/30/22	
Toluene	ND	0.0250		1	08/29/22	08/30/22	
o-Xylene	ND	0.0250		1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		95.3 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2236007	
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		95.3 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: l	KM		Batch: 2236006
Diesel Range Organics (C10-C28)	395	25.0		1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	221	50.0		1	08/29/22	08/30/22	
Surrogate: n-Nonane		104 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2236014
Chloride	1090	20.0		1	08/29/22	08/29/22	

Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Batt SW2 - 4' E208155-11

		E200133-11				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Allaryte	Result	Limit		1	Allalyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236007
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		97.2 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		97.2 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		105 %	50-200	08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2236014
Chloride	618	20.0	1	08/29/22	08/29/22	



 Pitts Energy
 Project Name:
 Fed 54 #1

 3313 Caldera Blvd
 Project Number:
 20046-0001
 Reported:

 Midland TX, 79707
 Project Manager:
 Natalie Gladden
 9/8/2022 11:41:54AM

Batt SW3 Surf E208155-12

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236007
Benzene	ND	0.0250	1	l	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	l	08/29/22	08/30/22	
Toluene	ND	0.0250	1	l	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	l	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	l	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	[08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		93.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		97.3 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		93.1 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		97.3 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236006
Diesel Range Organics (C10-C28)	430	25.0	1	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	238	50.0	1	1	08/29/22	08/30/22	
Surrogate: n-Nonane		101 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236014
	997	20.0	1		08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SW3 - 4' E208155-13

	D. I	Reporting		· .		N
Analyte	Result	Limit	Dilut	ion Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg mg/kg		A	Analyst: IY		Batch: 2236007
Benzene	ND	0.0250	1	08/29/2	22 08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/2	22 08/30/22	
Toluene	ND	0.0250	1	08/29/2	22 08/30/22	
o-Xylene	ND	0.0250	1	08/29/2	22 08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/2	22 08/30/22	
Total Xylenes	ND	0.0250	1	08/29/2	22 08/30/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130	08/29/2	22 08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	08/29/2	22 08/30/22	
Surrogate: Toluene-d8		96.1 %	70-130	08/29/2	22 08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: IY			Batch: 2236007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/2	22 08/30/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130	08/29/2	22 08/30/22	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	08/29/2	22 08/30/22	
Surrogate: Toluene-d8		96.1 %	70-130	08/29/2	22 08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/2	22 08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/2	22 08/30/22	
Surrogate: n-Nonane		93.6 %	50-200	08/29/2	22 08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2236014
Chloride	286	20.0	1	08/29/2	22 08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Batt SW4 Surf

		E208155-14					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2236007
Benzene	ND	0.0250		1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/30/22	
Toluene	ND	0.0250		1	08/29/22	08/30/22	
o-Xylene	ND	0.0250		1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		97.2 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		97.2 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	437	25.0		1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	236	50.0		1	08/29/22	08/30/22	
Surrogate: n-Nonane		113 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2236014
Chloride	1030	20.0		1	08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SW4 - 4' E208155-15

	D 1	Reporting	D'1 .			N.
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY	Batch: 2236007	
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.9 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		96.7 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY	Batch: 2236007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.9 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		96.7 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		119 %	50-200	08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2236014
Chloride	288	20.0	1	08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SW5 Surf E208155-16

		E200133-10					
Analyte	Result	Reporting Limit	Dilu	ition T	repared	Analyzed	Notes
Analyte	Result	Limit	Dilu	ilion P	терагеи	Anaryzed	notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2236007
Benzene	ND	0.0250	1	1 0	8/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	1 0	8/29/22	08/30/22	
Toluene	ND	0.0250	1	1 0	8/29/22	08/30/22	
o-Xylene	ND	0.0250	1	1 0	8/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	1 0	8/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	0	8/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.4 %	70-130	0	8/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	0	8/29/22	08/30/22	
Surrogate: Toluene-d8		98.1 %	70-130	0	8/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	1 0	8/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.4 %	70-130	0	8/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	0	8/29/22	08/30/22	
Surrogate: Toluene-d8		98.1 %	70-130	0	8/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: KM			Batch: 2236006
Diesel Range Organics (C10-C28)	683	25.0	1	1 0	8/29/22	08/30/22	
Oil Range Organics (C28-C36)	376	50.0	1	0	8/29/22	08/30/22	
Surrogate: n-Nonane		112 %	50-200	0	08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS	<u> </u>		Batch: 2236014
Chloride	937	20.0	1	1 0	8/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SW5 - 4'

E208155-17

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2236007	
Benzene	ND	0.0250	1	l	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	l	08/29/22	08/30/22	
Toluene	ND	0.0250	1	l	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	l	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	[08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.6 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		96.7 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		92.6 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		91.8 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		96.7 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1		08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	08/29/22	08/30/22	
Surrogate: n-Nonane		111 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236014



P	itts Energy	Project Name:	Fed 54 #1	
3	313 Caldera Blvd	Project Number:	20046-0001	Reported:
N	Sidland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Batt SW6 - Surf

		E208155-18					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236007
Benzene	ND	0.0250		1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/30/22	
Toluene	ND	0.0250		1	08/29/22	08/30/22	
o-Xylene	ND	0.0250		1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		91.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		97.4 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		91.4 %	70-130		08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		08/29/22	08/30/22	
Surrogate: Toluene-d8		97.4 %	70-130		08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236006
Diesel Range Organics (C10-C28)	512	25.0		1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	308	50.0		1	08/29/22	08/30/22	
Surrogate: n-Nonane		112 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236014
		•					•

20.0

08/29/22

08/30/22

757



Chloride

Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Batt SW6 - 4' E208155-19

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236007
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		96.5 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		96.6 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		96.5 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		93.4 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		96.6 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		112 %	50-200	08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2236014
Chloride	398	20.0	1	08/29/22	08/30/22	

P	itts Energy	Project Name:	Fed 54 #1	
3	313 Caldera Blvd	Project Number:	20046-0001	Reported:
N	Sidland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Batt SW7 - Surf

E208155-20

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY	Batch: 2236007	
Benzene	ND	0.0250	1	08/29/22	08/30/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/30/22	
Toluene	ND	0.0250	1	08/29/22	08/30/22	
o-Xylene	ND	0.0250	1	08/29/22	08/30/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/30/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		100 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY		Batch: 2236007
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/30/22	
Surrogate: Bromofluorobenzene		96.2 %	70-130	08/29/22	08/30/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130	08/29/22	08/30/22	
Surrogate: Toluene-d8		100 %	70-130	08/29/22	08/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2236006
Diesel Range Organics (C10-C28)	872	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	503	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		108 %	50-200	08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2236014
Allions by ETA 500:0/7050A						



Pitts EnergyProject Name:Fed 54 #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:41:54AM

Result Limit Level Result Reco Limits RPD Limit Limit mg/kg mg/k	Midland TX, 79707		Project Manage	r: Na	atalie Gladden				9/8	3/2022 11:41:54AM
Result Limit Level Result Rec Limits RPD Limit Notes Rec Limits RPD Limit Notes Rec Limits RPD Limit Notes Rec		Ve	olatile Organ	ic Compo	unds by EP	A 82601	B Analyst: IY			
Prepared: 08/29/22 Analyzed: 08/29/22 Analyze	Analyte		Limit	-		Rec	Limits		Limit	
Servene ND		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Selly benzene ND	Blank (2236007-BLK1)							Prepared: 08	8/29/22 Anal	yzed: 08/29/22
ND	Benzene		0.0250							
ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500	Ethylbenzene		0.0250							
ND 0.0550 ND 0.0250	Toluene		0.0250							
ND	o-Xylene		0.0250							
Surrogate: Bromofluorobenzene 0.462 0.500 92.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.490 0.500 98.0 70-130 Surrogate: Toluene-d8 0.504 0.500 101 70-130 CLCS (2236007-BS1)	p,m-Xylene									
Name	Total Xylenes	ND	0.0250							
Case Case	Surrogate: Bromofluorobenzene	0.462		0.500		92.3	70-130			
Prepared: 08/29/22 Analyzed: 08/30/22 Analyze	Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Semzene 2.36 0.0250 2.50 94.5 70-130	Surrogate: Toluene-d8	0.504		0.500		101	70-130			
Ethylbenzene 2.43 0.0250 2.50 97.2 70-130	LCS (2236007-BS1)							Prepared: 08	8/29/22 Anal	yzed: 08/30/22
Toluene 2.31 0.0250 2.50 92.3 70-130	Benzene	2.36	0.0250	2.50		94.5	70-130			
2.50 0.0250 2.50 100 70-130 0.0250 2.50 100 70-130 0.0250 0.0250 5.00 97.7 70-130 0.0250 7.50 98.4 70-130 0.0250 7.50 98.4 70-130 0.0250 7.50 98.4 70-130 0.0250 7.50 98.4 70-130 0.0250 7.50 98.4 70-130 0.0250 7.50 99.2 70-130 0.0250 7.50 99.2 70-130 0.0250 7.50 99.1 70-	Ethylbenzene	2.43	0.0250	2.50		97.2	70-130			
Autorogate: Bromofluorobenzene Autorogate: Bromofluorobenzene Autorogate: Bromofluorobenzene Autorogate: Bromofluorobenzene Autorogate: Bromofluorobenzene Autorogate: Bromofluorobenzene Autorogate: Bromofluorobenzene Autorogate: Bromofluorobenzene Autorogate: Indiana	Toluene	2.31	0.0250	2.50		92.3	70-130			
Total Xylenes 7.38	o-Xylene	2.50	0.0250	2.50		100	70-130			
Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130	o,m-Xylene	4.88	0.0500	5.00		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	Total Xylenes	7.38	0.0250	7.50		98.4	70-130			
Comparison Com	Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Prepared: 08/29/22 Analyzed: 08/30/22	Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Benzene 2.29 0.0250 2.50 91.5 70-130 3.23 23 Ethylbenzene 2.36 0.0250 2.50 94.4 70-130 2.88 27 Toluene 2.23 0.0250 2.50 89.3 70-130 3.26 24 5-Xylene 2.42 0.0250 2.50 96.6 70-130 3.42 27 5-m-Xylene 4.77 0.0500 5.00 95.4 70-130 2.30 27 Total Xylenes 7.19 0.0250 7.50 95.8 70-130 2.68 27 Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130	Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			
Ethylbenzene 2.36 0.0250 2.50 94.4 70-130 2.88 27 Toluene 2.23 0.0250 2.50 89.3 70-130 3.26 24 5-Xylene 2.42 0.0250 2.50 96.6 70-130 3.42 27 5-m-Xylene 4.77 0.0500 5.00 95.4 70-130 2.30 27 Total Xylenes 7.19 0.0250 7.50 95.8 70-130 2.68 27 Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130 70-130 70-130	LCS Dup (2236007-BSD1)							Prepared: 08	8/29/22 Anal	yzed: 08/30/22
Ethylbenzene 2.36 0.0250 2.50 94.4 70-130 2.88 27 Toluene 2.23 0.0250 2.50 89.3 70-130 3.26 24 5-Xylene 2.42 0.0250 2.50 96.6 70-130 3.42 27 5.mr-Xylene 4.77 0.0500 5.00 95.4 70-130 2.30 27 Total Xylenes 7.19 0.0250 7.50 95.8 70-130 2.68 27 Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130 70-130 70-130	Benzene	2.29	0.0250	2.50		91.5	70-130	3.23	23	
Toluene 2.23 0.0250 2.50 89.3 70-130 3.26 24 5-Xylene 2.42 0.0250 2.50 96.6 70-130 3.42 27 5-May Sylene 4.77 0.0500 5.00 95.4 70-130 2.30 27 Fotal Xylenes 7.19 0.0250 7.50 95.8 70-130 2.68 27 Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130 70-130	Ethylbenzene	2.36		2.50		94.4	70-130	2.88	27	
D.mXylene 4.77 0.0500 5.00 95.4 70-130 2.30 27 Fotal Xylenes 7.19 0.0250 7.50 95.8 70-130 2.68 27 Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130	•	2.23	0.0250	2.50		89.3	70-130	3.26	24	
Total Xylenes 7.19 0.0250 7.50 95.8 70-130 2.68 27 Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130 -	o-Xylene	2.42	0.0250	2.50		96.6	70-130	3.42	27	
Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130	p,m-Xylene	4.77	0.0500	5.00		95.4	70-130	2.30	27	
•	Total Xylenes	7.19	0.0250	7.50		95.8	70-130	2.68	27	
Surrogate: 1,2-Dichloroethane-d4 0.491 0.500 98.2 70-130	Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
	Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			

0.500

70-130



Surrogate: Toluene-d8

0.507

 Pitts Energy
 Project Name:
 Fed 54 #1
 Reported:

 3313 Caldera Blvd
 Project Number:
 20046-0001

 Midland TX, 79707
 Project Manager:
 Natalie Gladden
 9/8/2022 11:41:54AM

Nonhalogenated	Organics by	EPA	.8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2236007-BLK1)						Prepared: 0	8/29/22 Ana	lyzed: 08/29/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.462		0.500	92.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500	98.0	70-130			
Surrogate: Toluene-d8	0.504		0.500	101	70-130			
LCS (2236007-BS2)						Prepared: 0	8/29/22 Ana	lyzed: 08/29/22
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	83.8	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500	96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500	95.4	70-130			
Surrogate: Toluene-d8	0.506		0.500	101	70-130			
LCS Dup (2236007-BSD2)						Prepared: 0	8/29/22 Ana	lyzed: 08/29/22
Gasoline Range Organics (C6-C10)	38.1	20.0	50.0	76.1	70-130	9.60	20	
Surrogate: Bromofluorobenzene	0.484		0.500	96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500	96.9	70-130			
Surrogate: Toluene-d8	0.502		0.500	100	70-130			



Pitts Energy	Project Name:	Fed 54 #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:41:54AM

Midland TX, 79707		Project Manage	r: Na	ıtalie Gladder	1			9	9/8/2022 11:41:54AN
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236006-BLK1)							Prepared: 0	8/29/22 An	alyzed: 08/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.0		50.0		99.9	50-200			
LCS (2236006-BS1)							Prepared: 0	8/29/22 An	alyzed: 08/29/22
Diesel Range Organics (C10-C28)	199	25.0	250		79.5	38-132			
Surrogate: n-Nonane	42.8		50.0		85.7	50-200			
Matrix Spike (2236006-MS1)				Source:	E208155-	15	Prepared: 0	8/29/22 An	alyzed: 08/29/22
Diesel Range Organics (C10-C28)	212	25.0	250	ND	84.9	38-132			
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			
Matrix Spike Dup (2236006-MSD1)				Source:	E208155-	15	Prepared: 0	8/29/22 An	alyzed: 08/29/22
Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.8	38-132	2.20	20	
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ed 54 #1 0046-0001					Reported:
Midland TX, 79707		Project Manager		atalie Gladder	1				9/8/2022 11:41:54AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2236014-BLK1)							Prepared: 08	8/29/22 A	nalyzed: 08/29/22
Chloride	ND	20.0							
LCS (2236014-BS1)							Prepared: 08	8/29/22 A	nalyzed: 08/29/22
Chloride	246	20.0	250		98.3	90-110			
LCS Dup (2236014-BSD1)							Prepared: 08	8/29/22 A	nalyzed: 08/29/22
Chloride	245	20.0	250		98.1	90-110	0.228	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

	Pitts Energy	Project Name:	Fed 54 #1	
-	3313 Caldera Blvd	Project Number:	20046-0001	Reported:
	Midland TX, 79707	Project Manager:	Natalie Gladden	09/08/22 11:41

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client:	DITHS E	-inelav				Bill To				15	h H	se On	l.,		f = -		т.	T	(EDA D	•
	Fel 5					Attention: ESS		Lab WO#					Vumb	or	1D	2D	TA 3D	Standard	CWA	rogram SDWA
	Manager:	1				Address: 2724 NW COUNTY	ROAD	E DONS							10	X	30	Standard	CVVA	SDWA
Address:						City, State, Zip HOBBS, NM 8		LOCOLO			Analysis and Metho				1				RCRA	
City, Stat	te, Zip				1 1 1	Phone: 575-393-9048												ili		1,0101
Phone:						EMAIL TO: Natalie@energystaffi	ngllc.com	15	15										State	
Email:						Dakoatah@energystaffingllc.com		08 Ac	y 80	21	0	0	0.0		5			NM CO	UT AZ	TX
Report d	ue by:		T					ROB	ROb	y 8021	826	601(e 30		N	¥				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
		5	1	Batt	SP	2-42'	1								X					
			1	Batt	SP	3- 44'	2													
				Bout	SP-4	ls—	3													
				Bout	SPE	5-40'	4													
				Batt	-SP7	- 8	5													
		4				8-16	6													
		1 1		Bout	SPC	7-18	7													
				Batt	Sur	7 - 18 F	8													
				Bat	+SW	1-41	9													
				Bart	+5w	2 Surt	10								1					
Addition	nal Instruc	tions:	,																	7
				icity of this san		ware that tampering with or intentionally misk		e locati	on,			N Co. 10/10.11						eived on ice the day to °C on subsequent day		ed or received
Relinguish	ed by: (Signe	iture)	Date	The second second	Time	Received by: (Signature)	Date 826.3	7	Time	:3	()	Rece	ived	on ice:		ab Us	e Onl	у		
	ed by: (Signa			862	Time . /	Received by: (Signature)	£ 8/29/	ez	Time	13		T1	, ved		T2	2 "		T3		
Relinquish	ed by: (Signa	iture)	Date		Time	Received by: (Signature)	Date		Time		7		Tem					1 1 1	-	
Sample Ma	trix: S - Soil, So	I - Solid, Sg -	Sludge, A - A	Aqueous, O - Ot	her		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA													
Note: Sam	ples are disc	arded 30 d	ays after re	sults are repo	orted unles	s other arrangements are made. Hazard	ous samples will	be ret	urned	to clie	ent or	dispos	sed of					port for the anal	ysis of the	above
samples is	applicable o	nly to thos	e samples r	eceived by th	ne laborato	ry with this COC. The liability of the labora	atory is limited to	the a	moun	paid i	for or	the re	eport.						A. C.	- 415

nt or disposed of at the client expense. The report for the analysis of the above for on the report.

Central content expense in the report for the analysis of the above for on the report.

	011.																	0	7
Client:	PITTS		essy		Bill To		Lab Use Only								TA	AT	EPA P	rogram	
Project:	Fed	54 ±	+1		Attention: ESS		Lab	WO#		_	Job Number			1D	2D	3D	Standard	CWA	SDWA
	Manager:				Address: 2724 NW COUNTY		E	20	6/5	5	200	46	1000		X	-			
Address:					City, State, Zip HOBBS, NM 88	3240					Analysis and Metho			d	,				RCRA
City, Stat	te, Zip				Phone: 575-393-9048														
Phone:					EMAIL TO: Natalie@energystaffin		015	015										State	
Email:	un huu				Dakoatah@energystaffingllc.com		by 8	by 8	021	9	10	0.00		Σ×	×		NM CO	UT AZ	TX
Report d						1.4	ORO	ORO	by 8(14 82	s 60	de 3	11						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
		S	1	Bout 3	SW2-41	11								X					
		1	1	Batt S	SW3 SW+	12								1					
				Batts	w 3- 41	13													
				Batt	Swy Surt	14													
				_	Suy-41	15													
				Batts	us suff	16													
					w 5- 41	17													
					sub-suff	18													
				Batt	Sw6-41	19													
		\			Sw 7- Suff	20					M								
Addition	al Instruc	tions:			0														
				icity of this sample. may be grounds for le	am aware that tampering with or intentionally mislal gal action. Sampled by:	pelling the sample	e locati	on,			Later Change						eived on ice the day o'C on subsequent da		ed or received
MIL	ed by: (Signa	1	S-	76-73 Time	Received by: (Signature)	Pate Vo	(G	Time	:0	1)	Rece	ived	on ice:		ab U	se On	ly		
100	ed by: (Sign	UVVY	Date	7600 Time	Received by Signature	8/29	25	Time	1:3		T1			T2			Т3		
Relinquish	ed by: (Signa	iture)	Date	Time	Received by: (Signature)	Date		Time			AVG	Tem	°C 4	1					
Sample Mar	trix: S - Soil, S c	- Solid, Sg -	Sludge, A - A	queous, 0 - Other		Containe	r Type	e: g - g	lass, i						ss, v -	VOA			
					unless other arrangements are made. Hazardo												eport for the ana	lysis of the	above
					oratory with this COC. The liability of the labora													Are Diline	

or or disposed of at the client expense. The report for the analysis of the above or on the report.

Report or disposed of at the client expense. The report for the analysis of the above or on the report.

Printed: 8/29/2022 11:14:59AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Pitts Energy Date Rec	ceived: (08/29/22 10:30		Work Order ID: E208155
Phone: (432) 425-8235 Date Log	gged In: (08/29/22 08:27		Logged In By: Caitlin Christian
Email: Due Dat	e: (08/30/22 17:00 (1 day TAT)	
Chain of Custody (COC)				
1. Does the sample ID match the COC?		Yes		
2. Does the number of samples per sampling site location match the C	OC	Yes		
3. Were samples dropped off by client or carrier?		Yes	Carrier: L	JPS
4. Was the COC complete, i.e., signatures, dates/times, requested analysis	yses?	No	_	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disussion.	,	Yes		Comments/Resolution
Sample Turn Around Time (TAT)				
6. Did the COC indicate standard TAT, or Expedited TAT?		Yes		Project has been separated into 2 reports
Sample Cooler				due to amount of samples. Workorders are
7. Was a sample cooler received?		Yes		as follows:
8. If yes, was cooler received in good condition?		Yes		E208155 COC pg 1&2 of 4, E208156 COC
9. Was the sample(s) received intact, i.e., not broken?		Yes		
10. Were custody/security seals present?		No		pg 3&4 of 4. Project manager,date and
11. If yes, were custody/security seals intact?		NA		time sampled not provided on COC.
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2 Note: Thermal preservation is not required, if samples are received minutes of sampling	w/i 15	Yes		
13. If no visible ice, record the temperature. Actual sample tempera	ture: <u>4°C</u>			
Sample Container				
14. Are aqueous VOC samples present?		No		
15. Are VOC samples collected in VOA Vials?		NA		
16. Is the head space less than 6-8 mm (pea sized or less)?		NA		
17. Was a trip blank (TB) included for VOC analyses?		NA		
18. Are non-VOC samples collected in the correct containers?		Yes		
19. Is the appropriate volume/weight or number of sample containers collections.	cted?	Yes		
Field Label 20. Were field sample labels filled out with the minimum information:				
Sample ID?		Yes		
Date/Time Collected?		Yes		
Collectors name?		No		
Sample Preservation	,	3.7		
21. Does the COC or field labels indicate the samples were preserved?	?	No		
22. Are sample(s) correctly preserved?		NA		
24. Is lab filteration required and/or requested for dissolved metals?		No		
Multiphase Sample Matrix				
26. Does the sample have more than one phase, i.e., multiphase?		No		
27. If yes, does the COC specify which phase(s) is to be analyzed?		NA		
Subcontract Laboratory				
28. Are samples required to get sent to a subcontract laboratory?		No		
29. Was a subcontract laboratory specified by the client and if so who?	?	NA Subc	ontract Lab	o: na
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Client Instruction				

Date

Project Information

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Chain of Cu	istody		
	La	ab Use Only	
	Lab WO#	Job Number	,

Client: 🗸	11th E	Enelby	Bill To					Lab Use Only								7.00	TA	EPA Pr	ogram			
	Fel 5	4 #				Attention: ESS		Lab	WO#			1 dol	Num	ber	, 1	D	2D	3D	Sta	andard	CWA	SDWA
Project M	lanager:				100	Address: 2724 NW COUNTY RC		Eć	208	15	>			0			X					
Address:						City, State, Zip HOBBS, NM 8824	10				24	Analy	sis ar	nd Meth	od							RCRA
City, State	e, Zip					Phone: 575-393-9048																
Phone:						EMAIL TO: Natalie@energystaffingl	c.com	115	8015												State	
Email:						Dakoatah@energystaffingllc.com		by 8015	1y 8C	21	0	0	300.0			NN				NM CO	UT AZ	TX
Report du	ie by:							30 4	30 b	/ 80	826	109	e 30			3711	X					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO	GRO/DRO by 8	втех ь	VOC by 8260	Metals 6010	Chloride			верос	BGDOC				Remarks	
		5		BOTT S	SP	2-42'	1									X						
			1	Routh S	P	3- 44'	2									1						
				BOHSP	,_L	1-	3									1						
				Routh S	SPE	5-40'	4															
				Batts	P7	3- 44' 1- 5-40'	5													Por. N	alel K	tie a
						18-16	6															
				Bout S	PC	9-18	7															
				Batt	Sus	T4	8															
				Batt S			9															
11111				Dall	7.	0 0 01	10															

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I a	, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location,										
date or time of collection is considered fraud and may be grounds for lega	al action. Sampled by: Div		packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinguished by: (Signature) Date Time	Received by: (Signature)	Date, Time 1 /	Lab Use Only								
Juce M// 8-76-73	Private Man	820 JA 3.3U	Received on ice: (Y) N								
Relinquished by (Signature) Date Time	Regived by: (Signature)	Date Time									
- Call 1011 1860 4	15 Beth (but	8/19/12 10:30	T1 T2 T3								
Relinquished by: (Signature) Date Time	Received by: (Signature)	Date Time									
U			AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Received by OCD: 9/13/2022 11:03:36 AM

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envirotech

riojectii	normatio					Chai	n or custou	У												Page) of _/
Client: Pitts energy						Bill To	Lab Use Only								_	T	EPA Program				
Project: Fed 54 #1					Attention: ESS						Job Number		1D	2D	3D		andard	CWA	SDWA		
Project Manager:						Address: 2724 NW COUNTY ROAD		Lab WO# E 208/55			5	20046-0001				V	-				35,111
					City, State, Zip HOBBS, NM 88240				-, -		Analysis and Method			1						RCRA	
City, State, Zip					Phone: 575-393-9048 EMAIL TO: Natalie@energystaffinglic.com													Property And Park			
								015							1				State		
					Dakoatah@energystaffingllc.com			by 8	021	09	0109	0.00		NN	×			NM CO	UT AZ	TX	
Report due by:							Lab	ORO	DRO	by 8	ny 82	ls 60	ide 3			-	1				
Sampled	Sampled	Matrix	No. of Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals	Chloride 300.0		BGDOC	8600				Remarks	
		S	1	Bout	Su	12-41	11								X					W.	
		1	1	Batt	Sh	13 Surt	12								1						
				Bat	+Sw	3-41	13														
				Bat	+5	wy Surt	14														
				Bair	+ Si	14-41	15														
				-		5 Suff	16								1						
						5-41	17								11						
						b-suff	18														
				BaH	- Su	16-41	19														
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samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Report to:

Natalie Gladden



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pitts Energy

Project Name: Fed 54 #1

Work Order: E208156

Job Number: 20046-0001

Received: 8/29/2022

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 9/8/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/8/22

Natalie Gladden 3313 Caldera Blvd Midland, TX 79707

Project Name: Fed 54 #1 Workorder: E208156

Date Received: 8/29/2022 10:30:00AM

Natalie Gladden,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2022 10:30:00AM, under the Project Name: Fed 54 #1.

The analytical test results summarized in this report with the Project Name: Fed 54 #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

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Sample Summary

Pitts Energy	Project Name:	Fed 54 #1	Donouted
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	09/08/22 11:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Batt SW7 - 4'	E208156-01A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW8 - Surf	E208156-02A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Batt SW8 - 4'	E208156-03A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP1 - 32'	E208156-04A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP2 - 30'	E208156-05A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP4 - 26'	E208156-06A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP5 - 44'	E208156-07A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP6 - 18'	E208156-08A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP7 - 10	E208156-09A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP8 34	E208156-10A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SP9-4'	E208156-11A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SW1 - 4'	E208156-12A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SW2 - 4'	E208156-13A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SW3 - 4'	E208156-14A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SW4 - 4'	E208156-15A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SW5 - 4'	E208156-16A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SW6 - 4'	E208156-17A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.
Sep SW7 - 4'	E208156-18A	Soil	08/26/22	08/29/22	Glass Jar, 2 oz.



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Batt SW7 - 4' E208156-01

	D 1	Reporting				N.
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236008
Benzene	ND	0.0250	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		102 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		102 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		106 %	50-200	08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2236013
Chloride	407	20.0	1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Batt SW8 - Surf

		E208156-02					
		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	393	25.0		1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	288	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane		110 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	1440	20.0		1	08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:44:40AM

Batt SW8 - 4' E208156-03

					E200130-03		
Notes	Analyzad	Duamanad	lution	D:	Reporting Limit	Result	Anglista
Notes	Analyzed	Prepared	lution	Di	Limit	Result	Analyte
Batch: 2236008		Y	Analyst: IY		mg/kg	mg/kg	Volatile Organic Compounds by EPA 8260B
	08/29/22	08/29/22	1		0.0250	ND	Benzene
	08/29/22	08/29/22	1		0.0250	ND	Ethylbenzene
	08/29/22	08/29/22	1		0.0250	ND	Toluene
	08/29/22	08/29/22	1		0.0250	ND	o-Xylene
	08/29/22	08/29/22	1		0.0500	ND	p,m-Xylene
	08/29/22	08/29/22	1		0.0250	ND	Total Xylenes
	08/29/22	08/29/22		70-130	104 %		Surrogate: Bromofluorobenzene
	08/29/22	08/29/22		70-130	96.1 %		Surrogate: 1,2-Dichloroethane-d4
	08/29/22	08/29/22		70-130	103 %		Surrogate: Toluene-d8
Batch: 2236008		Y	Analyst: IY		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - GRO
	08/29/22	08/29/22	1		20.0	ND	Gasoline Range Organics (C6-C10)
	08/29/22	08/29/22		70-130	104 %		Surrogate: Bromofluorobenzene
	08/29/22	08/29/22		70-130	96.1 %		Surrogate: 1,2-Dichloroethane-d4
	08/29/22	08/29/22		70-130	103 %		Surrogate: Toluene-d8
Batch: 2236005		ζM	Analyst: K		mg/kg	mg/kg	Nonhalogenated Organics by EPA 8015D - DRO/ORO
	08/29/22	08/29/22	1		25.0	ND	Diesel Range Organics (C10-C28)
	08/29/22	08/29/22	1		50.0	ND	Oil Range Organics (C28-C36)
	08/29/22	08/29/22		50-200	103 %		Surrogate: n-Nonane
Batch: 2236013		RAS	Analyst: R		mg/kg	mg/kg	Anions by EPA 300.0/9056A
	08/29/22	08/29/22	1		20.0	400	Chloride
E		RAS		50-200	mg/kg		Surrogate: n-Nonane Anions by EPA 300.0/9056A



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SP1 - 32' E208156-04

		E208156-04					
Austra	D14	Reporting	Dile	-#: - · ·	D 1	A l d	Notes
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane		113 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	119	20.0		1	08/29/22	08/29/22	



 Pitts Energy
 Project Name:
 Fed 54 #1

 3313 Caldera Blvd
 Project Number:
 20046-0001
 Reported:

 Midland TX, 79707
 Project Manager:
 Natalie Gladden
 9/8/2022 11:44:40AM

Sep SP2 - 30'

		E208156-05					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.3 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		94.7 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		97.3 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/22	08/29/22	
Surrogate: n-Nonane		98.4 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	130	20.0		1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SP4 - 26' E208156-06

		E200130-00					
Austra	Dl/	Reporting		41	D	A	Nata
Analyte	Result	Limit	Dilu	uon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250	1		08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	ļ.	08/29/22	08/29/22	
Toluene	ND	0.0250	1		08/29/22	08/29/22	
o-Xylene	ND	0.0250	1		08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1		08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1		08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		96.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.9 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		96.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		93.8 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.9 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1		08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	08/29/22	08/29/22	
Surrogate: n-Nonane		109 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst:	RAS		Batch: 2236013
Chloride	144	20.0	1		08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SP5 - 44' E208156-07

		E200130-07					
	D 1	Reporting		<i>.</i> ·	D 1		N
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250	1	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		94.0 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		100 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		94.0 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		100 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/29/22	08/29/22	
Surrogate: n-Nonane		112 %	50-200		08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	414	20.0	1	1	08/29/22	08/29/22	



 Pitts Energy
 Project Name:
 Fed 54 #1

 3313 Caldera Blvd
 Project Number:
 20046-0001
 Reported:

 Midland TX, 79707
 Project Manager:
 Natalie Gladden
 9/8/2022 11:44:40AM

Sep SP6 - 18' E208156-08

		E200180 00				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2236008
Benzene	ND	0.0250	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		97.5 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.4 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		97.5 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/22	08/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/22	08/29/22	
Surrogate: n-Nonane		112 %	50-200	08/29/22	08/29/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2236013
Chloride	613	20.0	1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SP7 - 10 E208156-09

		E200130-09					
Anglista	Result	Reporting Limit	Dilu	ıti o	Duamanad	Analyzad	Notes
Analyte	Kesuit	Limit	Dilu	luon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250	1	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.3 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.9 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.3 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/29/22	08/30/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/29/22	08/30/22	
Surrogate: n-Nonane		115 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	895	20.0	1	1	08/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:44:40AM

Sep SP8 34 E208156-10

Analyte	Result	Reporting Limit	Dilut	tion Da	epared	Analyzed	Notes
Analyte	Resuit	Lillit	Dilui	lion Pre	epared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2236008
Benzene	ND	0.0250	1	08	/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	08	/29/22	08/29/22	
Toluene	ND	0.0250	1	08	/29/22	08/29/22	
p-Xylene	ND	0.0250	1	08	/29/22	08/29/22	
o,m-Xylene	ND	0.0500	1	08	/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	08	/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130	08	/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08.	/29/22	08/29/22	
Surrogate: Toluene-d8		98.3 %	70-130	08	/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	08	/29/22	08/29/22	
Surrogate: Bromofluorobenzene		93.7 %	70-130	08	/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	08	/29/22	08/29/22	
Surrogate: Toluene-d8		98.3 %	70-130	08.	/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1	08	/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	08	/29/22	08/30/22	
Surrogate: n-Nonane	·	133 %	50-200	08	/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2236013
Chloride	537	20.0	1	08.	/29/22	08/29/22	



Pitts EnergyProject Name:Fed 54 #13313 Caldera BlvdProject Number:20046-0001Reported:Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:44:40AM

Sep SP9-4' E208156-11

		E200130-11					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2236008
Benzene	ND	0.0250	1		08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	l	08/29/22	08/29/22	
Toluene	ND	0.0250	1	l	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	Į.	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	l	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	l	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		90.7 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		96.3 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		90.7 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		96.3 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	XM.		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1		08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	08/29/22	08/30/22	
Surrogate: n-Nonane		118 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2236013
Chloride	684	20.0	1		08/29/22	08/29/22	_



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SW1 - 4' E208156-12

		E208150-12					
	D. I	Reporting		<i>.</i> ·	D 1		N
Analyte	Result	Limit	Dili	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2236008
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		103 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		103 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2236005
Diesel Range Organics (C10-C28)	907	25.0		1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	1010	50.0		1	08/29/22	08/30/22	
Surrogate: n-Nonane		120 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2236013
Chloride	51.4	20.0		1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SW2 - 4' E208156-13

		E200130-13					
	D 1	Reporting			D 1		N.
Analyte	Result	Limit	Dilt	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		103 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		101 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		103 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	1020	25.0		1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	1450	50.0		1	08/29/22	08/30/22	
Surrogate: n-Nonane		130 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	53.4	20.0		1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SW3 - 4' E208156-14

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2236008
Benzene	ND	0.0250		1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250		1	08/29/22	08/29/22	
Toluene	ND	0.0250		1	08/29/22	08/29/22	
o-Xylene	ND	0.0250		1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500		1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.9 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		98.9 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0		1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0		1	08/29/22	08/30/22	
Surrogate: n-Nonane		121 %	50-200	·	08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	356	20.0		1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SW4 - 4' E208156-15

		E200130-13					
Andre	Dk	Reporting		4 :	D J	A	Notes
Analyte	Result	Limit	Dilut	uon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2236008
Benzene	ND	0.0250	1		08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1		08/29/22	08/29/22	
Toluene	ND	0.0250	1		08/29/22	08/29/22	
o-Xylene	ND	0.0250	1		08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1		08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1		08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		102 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		102 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: I	ζM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1		08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1		08/29/22	08/30/22	
Surrogate: n-Nonane		119 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: I	RAS		Batch: 2236013
Chloride	484	20.0	1		08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SW5 - 4' E208156-16

		E200130-10					
Andre	D14	Reporting Limit	Dilu		D 1	A a la a . l	Notes
Analyte	Result	Limit	Dilu	ıııon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Benzene	ND	0.0250	1	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		99.5 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		98.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		99.5 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	106	25.0	1	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	92.1	50.0	1	1	08/29/22	08/30/22	
Surrogate: n-Nonane		118 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	ND	20.0	1	1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SW6 - 4' E208156-17

		E208150-17					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Thayte					•	rmaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2236008
Benzene	ND	0.0250	1	l	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	l	08/29/22	08/29/22	
Toluene	ND	0.0250	1	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	l	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		103 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2236008
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		08/29/22	08/29/22	
Surrogate: Toluene-d8		103 %	70-130		08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2236005
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/29/22	08/30/22	
Surrogate: n-Nonane		120 %	50-200		08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2236013
Chloride	402	20.0	1	1	08/29/22	08/29/22	



Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Sep SW7 - 4' E208156-18

		E200130-10				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
· ·				Analyst: IY	7 Hidiy 20d	Batch: 2236008
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A		00/00/00	Batch: 2230008
Benzene	ND	0.0250	1	08/29/22	08/29/22	
Ethylbenzene	ND	0.0250	1	08/29/22	08/29/22	
Toluene	ND	0.0250	1	08/29/22	08/29/22	
o-Xylene	ND	0.0250	1	08/29/22	08/29/22	
p,m-Xylene	ND	0.0500	1	08/29/22	08/29/22	
Total Xylenes	ND	0.0250	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY	Batch: 2236008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/22	08/29/22	
Surrogate: Bromofluorobenzene		100 %	70-130	08/29/22	08/29/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130	08/29/22	08/29/22	
Surrogate: Toluene-d8		104 %	70-130	08/29/22	08/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2236005
Diesel Range Organics (C10-C28)	113	25.0	1	08/29/22	08/30/22	
Oil Range Organics (C28-C36)	132	50.0	1	08/29/22	08/30/22	
Surrogate: n-Nonane		120 %	50-200	08/29/22	08/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2236013
Chloride	ND	20.0	1	08/29/22	08/30/22	



Pitts EnergyProject Name:Fed 54 #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:44:40AM

Midland TX, 79707		Project Manage	r: Na	atalie Gladden	1			9/	8/2022 11:44:40AM
	Vo	olatile Organ	ic Compo	unds by EP	PA 82601	В			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236008-BLK1)							Prepared: 0	8/29/22 Ana	lyzed: 08/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2236008-BS1)							Prepared: 0	8/29/22 Ana	lyzed: 08/29/22
Benzene	2.23	0.0250	2.50		89.3	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.0	70-130			
Toluene	2.25	0.0250	2.50		90.0	70-130			
o-Xylene	2.19	0.0250	2.50		87.5	70-130			
p,m-Xylene	4.34	0.0500	5.00		86.9	70-130			
Total Xylenes	6.53	0.0250	7.50		87.1	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
LCS Dup (2236008-BSD1)							Prepared: 0	8/29/22 Ana	lyzed: 08/29/22
Benzene	2.13	0.0250	2.50		85.4	70-130	4.49	23	
Ethylbenzene	2.29	0.0250	2.50		91.7	70-130	1.47	27	
Toluene	2.18	0.0250	2.50		87.3	70-130	3.11	24	
o-Xylene	2.17	0.0250	2.50		86.7	70-130	0.918	27	
p,m-Xylene	4.26	0.0500	5.00		85.2	70-130	1.89	27	
Total Xylenes	6.43	0.0250	7.50		85.7	70-130	1.57	27	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			

0.500

103

70-130

0.514



Surrogate: Toluene-d8

Pitts EnergyProject Name:Fed 54 #1Reported:3313 Caldera BlvdProject Number:20046-0001Midland TX, 79707Project Manager:Natalie Gladden9/8/2022 11:44:40AM

Nonhalogenated	Organics b	v EPA	8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2236008-BLK1)					F	Prepared: 0	8/29/22 Analy	zed: 08/29/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.496		0.500	99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500	99.2	70-130			
Surrogate: Toluene-d8	0.516		0.500	103	70-130			
LCS (2236008-BS2)					F	Prepared: 0	8/29/22 Analy	zed: 08/29/22
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	108	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500	98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500	101	70-130			
Surrogate: Toluene-d8	0.522		0.500	104	70-130			
LCS Dup (2236008-BSD2)					F	Prepared: 0	8/29/22 Analy	zed: 08/29/22
Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	111	70-130	2.86	20	
Surrogate: Bromofluorobenzene	0.493		0.500	98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500	100	70-130			
Surrogate: Toluene-d8	0.518		0.500	104	70-130			



Pitts Energy	Project Name:	Fed 54 #1	Reported:
3313 Caldera Blvd	Project Number:	20046-0001	
Midland TX, 79707	Project Manager:	Natalie Gladden	9/8/2022 11:44:40AM

Midland TX, 79707		Project Manage	r: N	atalie Gladden					9/8/2022 11:44:40AM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2236005-BLK1)							Prepared: 0	8/29/22 A	nalyzed: 08/29/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			
LCS (2236005-BS1)							Prepared: 0	8/29/22 A	nalyzed: 08/29/22
Diesel Range Organics (C10-C28)	226	25.0	250		90.2	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			
Matrix Spike (2236005-MS1)				Source:	E208156-	16	Prepared: 0	8/29/22 A	nalyzed: 08/29/22
Diesel Range Organics (C10-C28)	338	25.0	250	106	92.7	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			
Matrix Spike Dup (2236005-MSD1)				Source:	E208156-	16	Prepared: 0	8/29/22 A	nalyzed: 08/29/22
Diesel Range Organics (C10-C28)	340	25.0	250	106	93.8	38-132	0.768	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



Pitts Energy 3313 Caldera Blvd		Project Name: Project Number:		ed 54 #1 0046-0001					Reported:
Midland TX, 79707		Project Manager		Natalie Gladden					9/8/2022 11:44:40AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	\				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2236013-BLK1)							Prepared: 08	8/29/22 <i>A</i>	Analyzed: 08/29/22
Chloride	ND	20.0							
LCS (2236013-BS1)							Prepared: 08	8/29/22 <i>A</i>	Analyzed: 08/30/22
Chloride	243	20.0	250		97.4	90-110			
LCS Dup (2236013-BSD1)							Prepared: 08	8/29/22 A	Analyzed: 08/30/22
Chloride	243	20.0	250		97.3	90-110	0.0703	20	

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pitts Energy	Project Name:	Fed 54 #1	
3313 Caldera Blvd	Project Number:	20046-0001	Reported:
Midland TX, 79707	Project Manager:	Natalie Gladden	09/08/22 11:44

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client:	1715	ene	15×		Bill To				10	b Us	e On	lv			TAT		Page	rograma
roject:	Fed.	€4 t	‡ 1		Attention: ESS		Lah	MOH					1D	2D 1		Standard	CWA	SDW
roject N	lanager:	~ / · ·			Address: 2724 NW COUN	TY ROAD	F	209	150	0	201	Number 040-001	-	X	30	Standard	CVIA	30 00
ddress:					City, State, Zip HOBBS, NM	188240	-0			7	Analy	sis and Method	1					RCRA
ity, Stat	e, Zip				Phone: 575-393-9048													
hone:					EMAIL TO: Natalie@energysta		015	8015	. =								State	
mail:	ıo bu				Dakoatah@energystaffingllc.co	<u>om</u>	by 8	by 8	021	9	10	0.00	Σ	¥		NM CO	UT AZ	TX
eport d						Lab	ORO	DRO	by 8	oy 82	ls 60	ide 3						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Number	DRO/ORO by 8015	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	верос			Remarks	
		S	1	Bout S	sw7-41	1							X					
		1	\	Ratts	iw 8- Suft iw8-41	2												
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				SEP SP	7-10	9												
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Addition	al Instruc	tions:	,													- U		
				icity of this sample. I a	m aware that tampering with or intentionally m	nislabelling the sample	e locatio	on,				s requiring thermal p						ed or receiv
			Date	2-26-22 Time		Date	3	Tipe.	()	n	Rece	eived on ice:		ab Us	e Only	V-75		
elinguish	dby: (Signa	ture)	Date	Juan Time	Received by (Signature)	t 8/19	177	Time):3	2	T1	area on ice.	T2	7 14		Т3		
elloquish	d by: (Signa	ture)	Date	Time	Received by: (Signature)	Date	٠	Time				Temp °C 4	12			. 13		
		10 mm or 10 mm		queous, O - Other			200					astic, ag - ambe			-			

Additional Instructions:

			<u></u>					
(field sampler), attest to the validity and a late or time of collection is considered frauc			nat tampering with or intentional Sampled/By:	lly mislabelling the sample	ocation,	Samples requiring thermal packed in ice at an avg tem		ved on ice the day they are sampled or received C on subsequent days.
Relinquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature)	Date Date Date	Time Time Time	Received by: (Signature) Received by: (Signature) Received by: (Signature)	Date Date Date Date	7 Time 3, 00 2 10:30 Time	Received on ice: T1 AVG Temp °C	Lab Use Only (D) N T2	
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge	e, A - Aqueous, O - C	ther		Container	ype: g - glass, p - p	oly/plastic, ag - amb	per glass, v - VOA	

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



it or disposed of at the client expense. The report for the analysis of the above or on the report.

envirotech Inc.

Printed: 8/29/2022 11:18:21AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pitts Energy	Date Received:	08/29/22 10	:30	Work	Order ID:	E208156
Phone:	(432) 425-8235	Date Logged In:	08/29/22 08	:30	Logg	ed In By:	Caitlin Christian
Email:		Due Date:	08/30/22 17	:00 (1 day TAT)			
	Custody (COC) he sample ID match the COC?		Yes				
2. Does tl	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>JPS</u>		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	No				
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucssi	•	Yes	,		Comments	s/Resolution
	<u>Surn Around Time (TAT)</u> COC indicate standard TAT, or Expedited TAT?		Yes		Project has been	n separat	ed into 2 reports
Sample C			103		_	-	es. Workorders are
	sample cooler received?		Yes			or sample	os. Workorders are
	was cooler received in good condition?		Yes		as follows:		
•	e sample(s) received intact, i.e., not broken?				E208155 COC	pg 1&2 o	of 4, E208156 COC
			Yes		pg 3&4 of 4. Pr	roject ma	nager,date and
	custody/security seals present?		No		time sampled n	ot provid	led on COC.
	, were custody/security seals intact?		NA		viiii swiiipi u ii	ov provid	
	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes <u>C</u>				
Sample (Container						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	:?	Yes				
	appropriate volume/weight or number of sample contai		Yes				
Field Lal							
	field sample labels filled out with the minimum inf	ormation:					
	ample ID?		Yes				
D	Pate/Time Collected?		Yes	ı			
C	follectors name?		No				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes	, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborate	vrv9	No				
	subcontract laboratory specified by the client and i	-		Subcontract Lab	ı, na		
		i so wiio:	1471	subcontract Lab	. на		
Client II	<u>nstruction</u>						
1							

Date

Signature of client authorizing changes to the COC or sample disposition.

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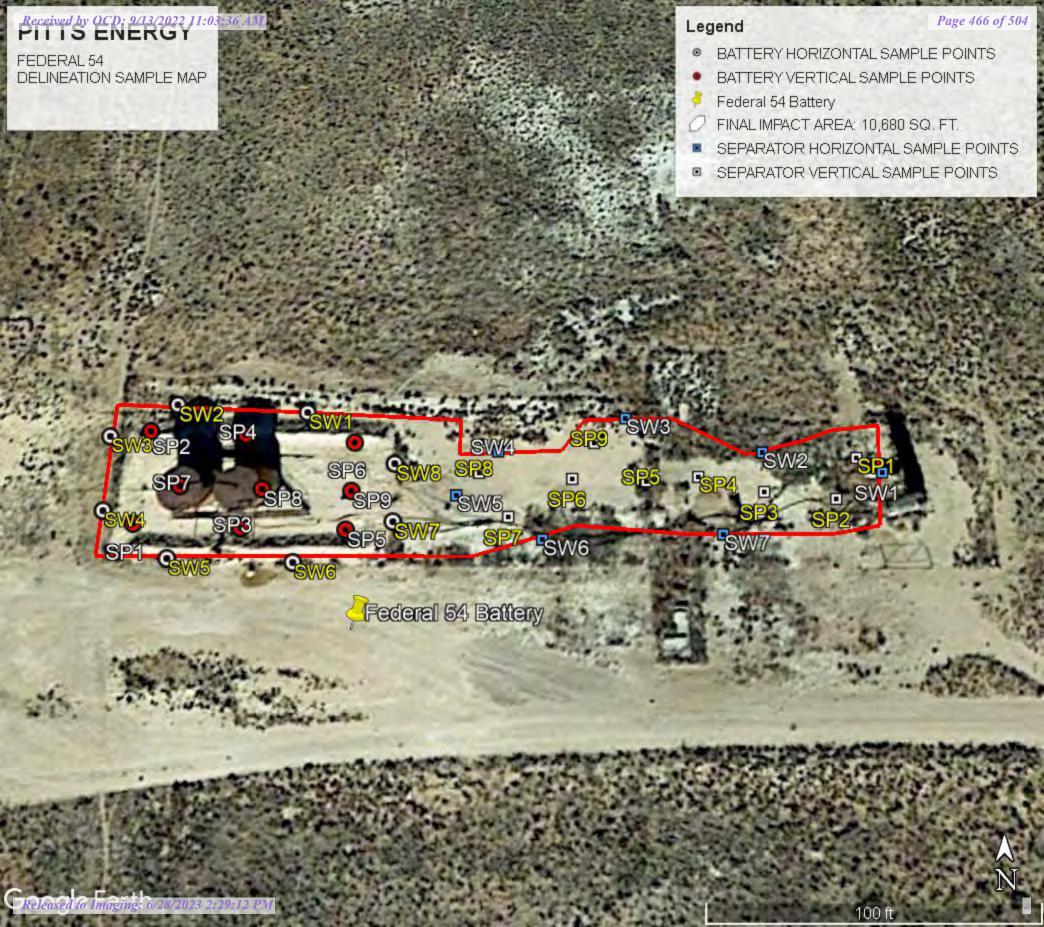
Project Information		Chain of Custody

Project In	formation	1				CI	nain of Cust	ody											Page	3 of 4
																			-0	3 of 4
Client:	1715	Pre	45×		200	Bill To			-	12	hH	e Onl	,			_	TA	T		Program
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City, State, Zip Phone: 575-393-9048																		15		
Phone:					The second second second	EMAIL TO: Natalie@energystaffingllc.com													State	T = -1
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Time	Date	-	No. of	T			Lab	ORO	DRO	by 8	by 87	ls 60	ide 3							
Sampled	Sampled	Matrix	Containers	Sample ID			Numb	0	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			Remark	s
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I. (field sam	pler), attest t	the validity	and authen	ticity of this sample. I a	m aware that ta	mpering with or intentionally mis	slabelling the sar	nole locat	tion.		-	Samples	requirin	g thermal	oreserva	tion mus	t be rece	ived on ice the	fay they are samp	led or received
1000				may be grounds for leg		Sampled by: Dir												°C on subsequen		
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	ed by: (Sign	ature)	Dat	Dean Time	15 Rec	eived by Signature h	/ Date/	alec	Time):30		T1			0			<u></u>		
Relinquish	ed by: (Sign	ature)	Bate	Time	Rec	eived by: (Signature)	Date		Time		-	AVC:								
Sample Ma	rix: S - Soil S	d - Solid Se -	Sludge A -	Aqueous, O - Other			Contai	AVG Temp °C 4 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
					nless other arr	rangements are made. Hazar												port for the	analysis of the	above
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

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	/lanager:				Address: 2724 NW COUNTY RO						Lab WO#		0	20046-0001										
Address:					City, State, Zip HOBBS, NM 882											d Metho							RCRA	
City, Stat	e, Zip				Phone: 575-393-9048																			
Phone:	Etwite 15. Natione Cite Aystaring						c.com	1015	015						1					State				
Management of the last of the	all: Dakoatah@energystaffingllc.com								by 8	by 8	021	097	10	0.00		ΣZ	×			NM CO	UT AZ	TX		
Time	Date Date		No. of					Lab	ORC	/DRC	by 8	by 8	ls 60	ide				1 3						
Sampled	Sampled	Matrix	Contains	Sample	Sample ID					DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC				Remarks		
		S	1	100	Sep Spg - 4'												12	?			per.N	er. Natalie		
		1				W1-			12												Ald	9/1	122	
						12-	41		13												30			
						13-			14								11							
				Sef	Sw	4-4	1'		15															
						5-4	THE RESERVE THE PARTY NAMED IN		16															
						6-4			17					B										
						7-4			18								1							
																	H							
															n		1							
Addition	al Instruc	tions:	· · ·			-					L						1	-						
								or intentionally mislabell	ing the sample		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.													
date or time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) Date Time Received by: (Signature)							Date (7))(7)	Date Time 3: OL					Lab Use Only Received on ice: N											
Relinguish	ed by sign	thre)	0.	120-2	Time	115	Received by: (8)		8/79/2			:3												
Relinquish	ed by: (Sign	ature) [ate	Time	.)	Received by: (Si	gnature)	Date	Time						13								
Sample Mar	rive C. Salt S	1. Solid Se	Sludes	Amunous C	Other				AVG Temp °C 4 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
				- Aqueous, O - results are re		nless othe	er arrangements :	are made. Hazardous													for the ana	vsis of the	ahove	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								



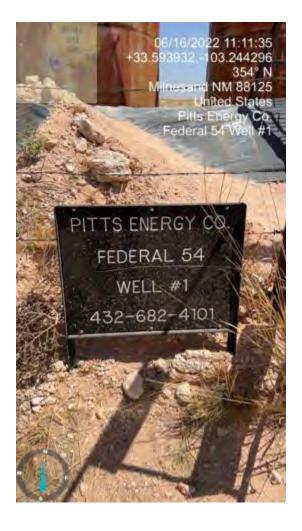
CLIENTS PITTS ENERGY

LOCATION FEDERAL 54

SAMPLE ID	LAT	LONG
	TION SAMPLE GPS ON BATT	
SP1	33.593950	-103.244407
SP2	33.594037	-103.244399
SP3	33.593946	-103.244290
SP4	33.594033	-103.244292
SP5	33.593945	-103.244177
SP6	33.594024	-103.244173
SP7	33.593983	-103.244359
SP8	33.593982	-103.244270
SP9	33.593981	-103.244172
SW1	33.594057	-103.244226
SW2	33.594069	-103.244371
SW3	33,594033	-103.244444
SW4	33.593962	-103.244441
SW5	33.593918	-103.244366
SW6	33.593915	-103.244231
SW7	33.593953	-103.244126
SW8	33.594007	-103.244126
DELINEATION	ON SAMPLE GPS ON SEPERA	
SP1	33.594014	-103.243612
SP2	33.593975	-103.243639
SP3	33.593982	-103.243718
SP4	33.593996	-103.243790
SP5	33.593992	-103.243847
SP6	33.593994	-103.243929
SP7	33.593959	-103.244000
SP8	33.594000	-103.244032
SP9	33.594029	-103.243904
SW1	33.594000	-103.243585
SW2	33.594020	-103.243717
SW3	33.594053	-103.243868
SW4	33.594021	-103.244012
SW5	33.593979	-103.244057
SW6	33.593938	-103.243963
SW7	33.593942	-103.243766
_		

PITTS ENERGY

FEDERAL 54 BATTERY
DELINEATION SITE PHOTOS



NEW BATTERY PAD AND REMOVAL OF OLD BERMED AREA









































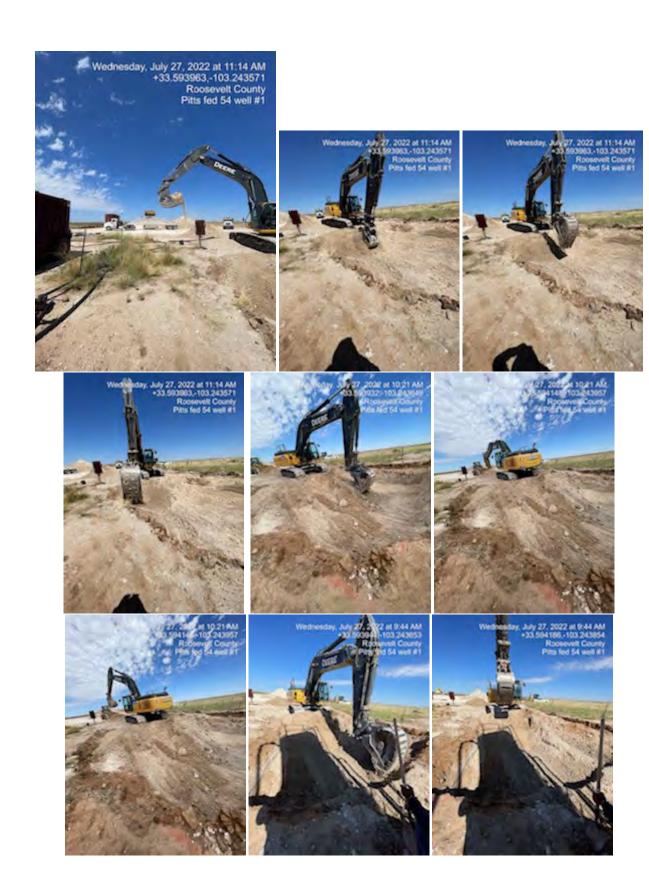


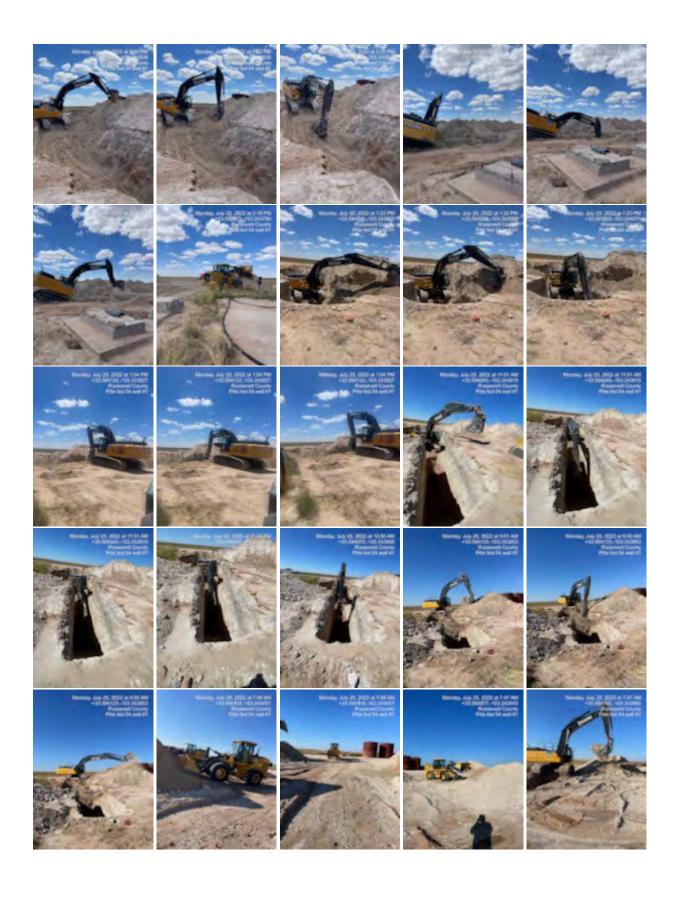


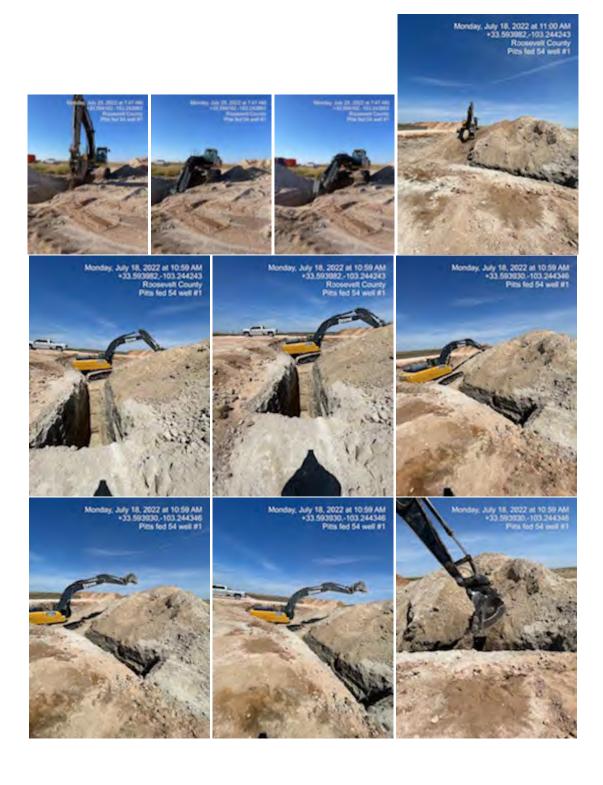
DELINEATION PHOTOS



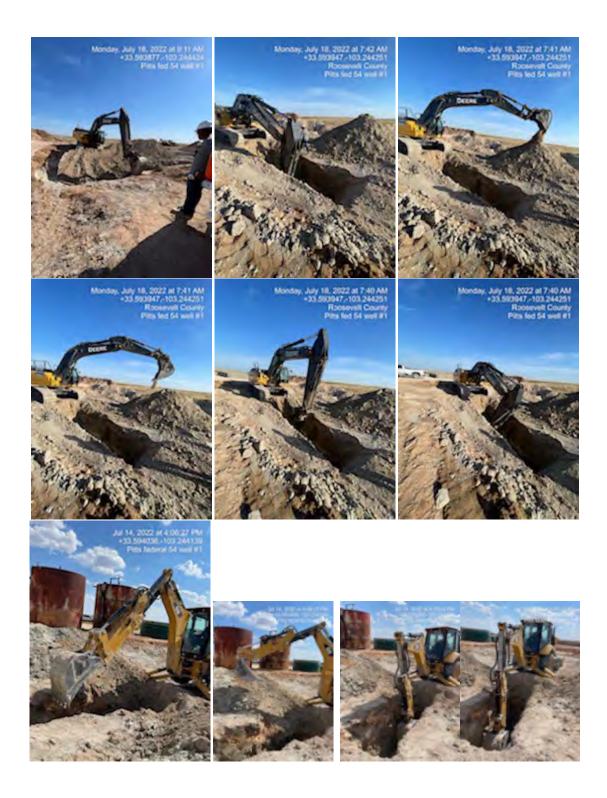








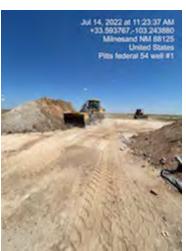














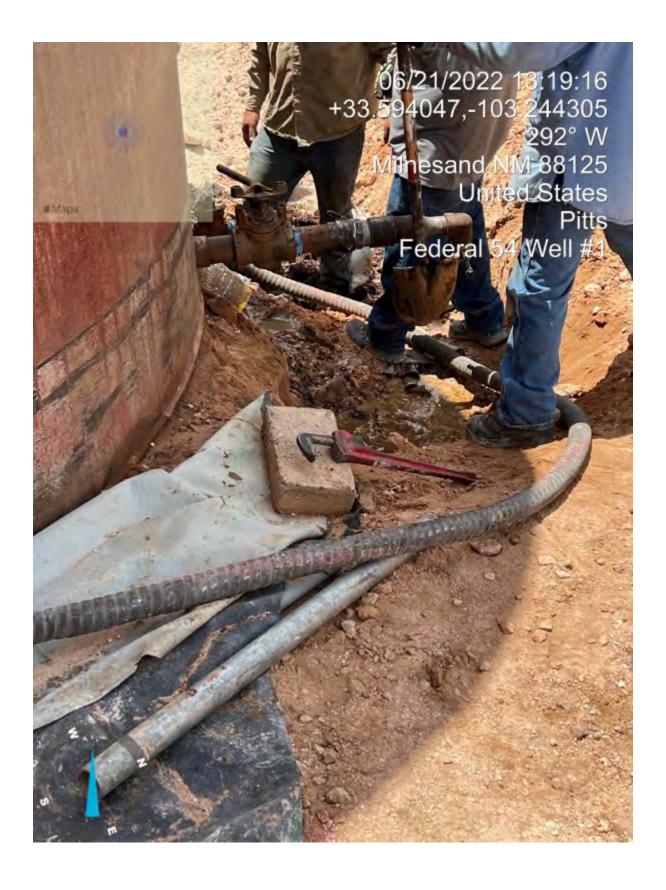


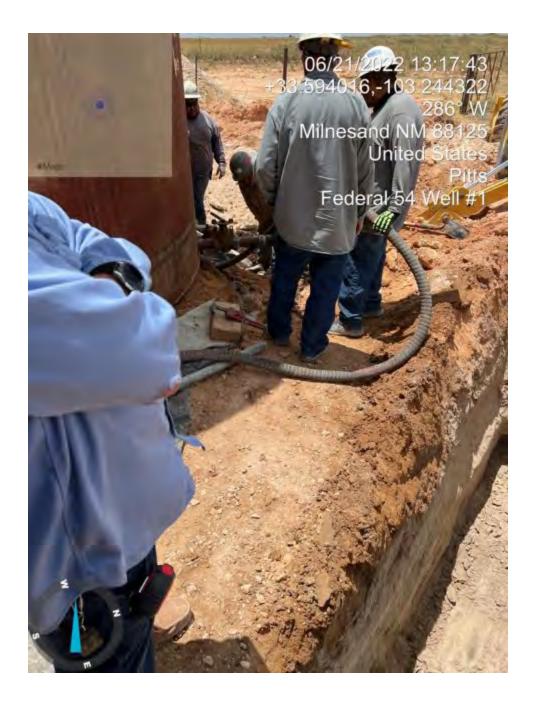




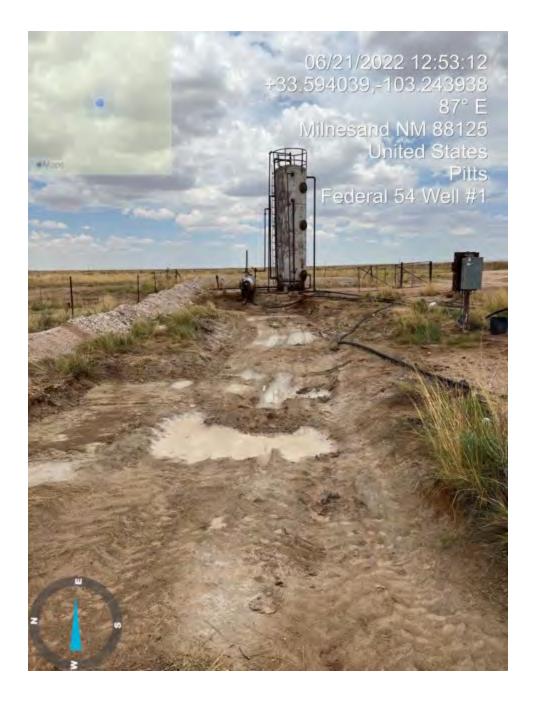


















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Form C-141

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Application ID	

Site Assessment/Characterization

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

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

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

Characterization Report Checklist: Each of the following items must be included in the report.
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☐ Field data
☐ Data table of soil contaminant concentration data
Depth to water determination
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
■ Boring or excavation logs
Photographs including date and GIS information
▼ Topographic/Aerial maps
□ Laboratory data including chain of custody

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

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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: NATALIE GLADDEN Title: DIRECTOR OF ENVIRONMENTAL AND REGULATORY
Signature: Atalie Gradden Date: 9-12-22
email: _natalie@energystaffingllc.com Telephone:575-390-6397_
OCD Only
Received by:

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State of New Mexico Oil Conservation Division

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Application ID		Ī

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.		
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation points ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC 		
Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)		
<u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health, the environment, or groundwater.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Natalie Gladden Title: Director of Environmental and Regulatory Signature: Date: 4 - 12 - 22 Email: natalie@energystaffingllc.com Telephone: 575-390-6397		
OCD Only		
Received by: Date;		
Approved		
Signature: Date:		

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

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

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

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

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

CONDITIONS

Action 142821

CONDITIONS

Operator:	OGRID:
PITTS ENERGY CO	17786
3313 CALDERA BLVD	Action Number:
Midland, TX 79707	142821
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	Remediation Plan is approved as written. Remediation Due date updated to August 28, 2023.	6/28/2023