CARMONA RESOURCES

SITE INFORMATION

Closure Report
Hudgens #001 (02.04.2008)
Incident #: NCOH0807129681
Lea County, New Mexico
Unit J Sec 11 T16S R36E
32.9349823°, -103.3231506°

Crude Oil Release
Point of Release: Historical Spill, Limited Details
Release Date: 02.04.2008
Volume Released: 5 Barrels of Crude Oil
Volume Recovered: 2 Barrels of Crude Oil

CARMONA RESOURCES

Prepared for:
Chevron U.S.A., Inc.
6301 Deauville Blvd
Midland, Texas 79706

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

CARMONA RESOURCES

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

CARMONA RESOURCES

June 17, 2024

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, NM 87505

Re: Closure Report
Hudgens #001 (02.04.2008)
Chevron U.S.A., Inc.
Site Location: Unit J, S11, T16S, R36E
(Lat 32.9349823º, Long -103.3231506º)
Lea County, New Mexico

To whom it may concern:

On behalf of Chevron U.S.A., Inc. (Chevron), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Hudgens #001. The site is located at 32.9349823º, -103.3231506º within Unit J, S11, T16S, R36E, in Lea County, New Mexico (Figures 1A, Figure 1B and Figure 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on February 4, 2008, but no record was found during a desktop review. According to the NMOCD web portal, the release resulted in approximately five (5) barrels of crude oil being released and two (2) barrels of crude oil recovered. The impacted area was located on pad, shown in Figure 3. A C-141 form is attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, multiple water sources are within a 0.50-mile radius of the location. The closest well is approximately 0.01 miles East of the site in S11, T16S, R36E and was drilled in 1971. The well has a reported depth to groundwater of 75’ feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

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

4.0 Initial Site Assessment Activities

On January 5, 2022, a third-party environmental consultant performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) auger holes (AH-1 & AH-2) were installed to total depths ranging from surface to 12” below ground surface (bgs) inside the release area. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins

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

CARMONA RESOURCES

Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Figure 3 for the sample locations.

Vertical Delineation

Vertical delineation was not achieved in the areas of AH-1 and AH-2 due to a dense rock layer and the use of hand tools. Refer to Table 1.

5.0 Secondary Site Assessment Activities

On August 31, 2024, a third-party environmental consultant performed a secondary site assessment to further vertically delineate the areas of AH-1 and AH-2 as well as horizontally delineate the release area. Attached is a sampling notification related to the sampling event, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of five (5) test trenches (North, East, South, West, & Center) were installed to a depth of 4' bgs. Additionally, four (4) surface samples were collected at depths ranging from surface to 2" bgs. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Permian Basin Environmental Labs in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Figure 3 for the sample locations.

All samples from this sampling event were below the regulatory requirements for TPH, BTEX, and chloride for remediation and reclamation. Natural attenuation of chloride impact can be seen in the soil samples collected onsite. Evidence in vegetation regrowth on pad can be seen as well when reviewing historical aerial photographs. Refer to Table 1 as well as Figure 1A, Figure 1B, & Figure 3.

6.0 Reclamation and Revegetation

Records online found this site to be plugged, abandoned, and reclaimed beginning February 3, 2012. During that time the entire well pad was restored to its original condition before oilfield operation. Native grass seed was planted and during the site assessments, evidence of vegetation regrowth is very evident. As shown in Appendix B, vegetation has taken over 85-90% of the historic well pad with healthy native grasses.

7.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and Chevron formally requests the closure of the spill. Additionally, this well pad has been reclaimed and revegetated since 2012. Chevron also requests the approval of the NMOCD for reclamation and revegetation of this site. As seen in the attached photo documentation, natural grasses have taken over the entire historical well pad. If you have any questions regarding this report or need additional information, please contact us at 432-813-1992.

Sincerely,
Carmona Resources, LLC

Ashton Thielke
Sr. Project Manager

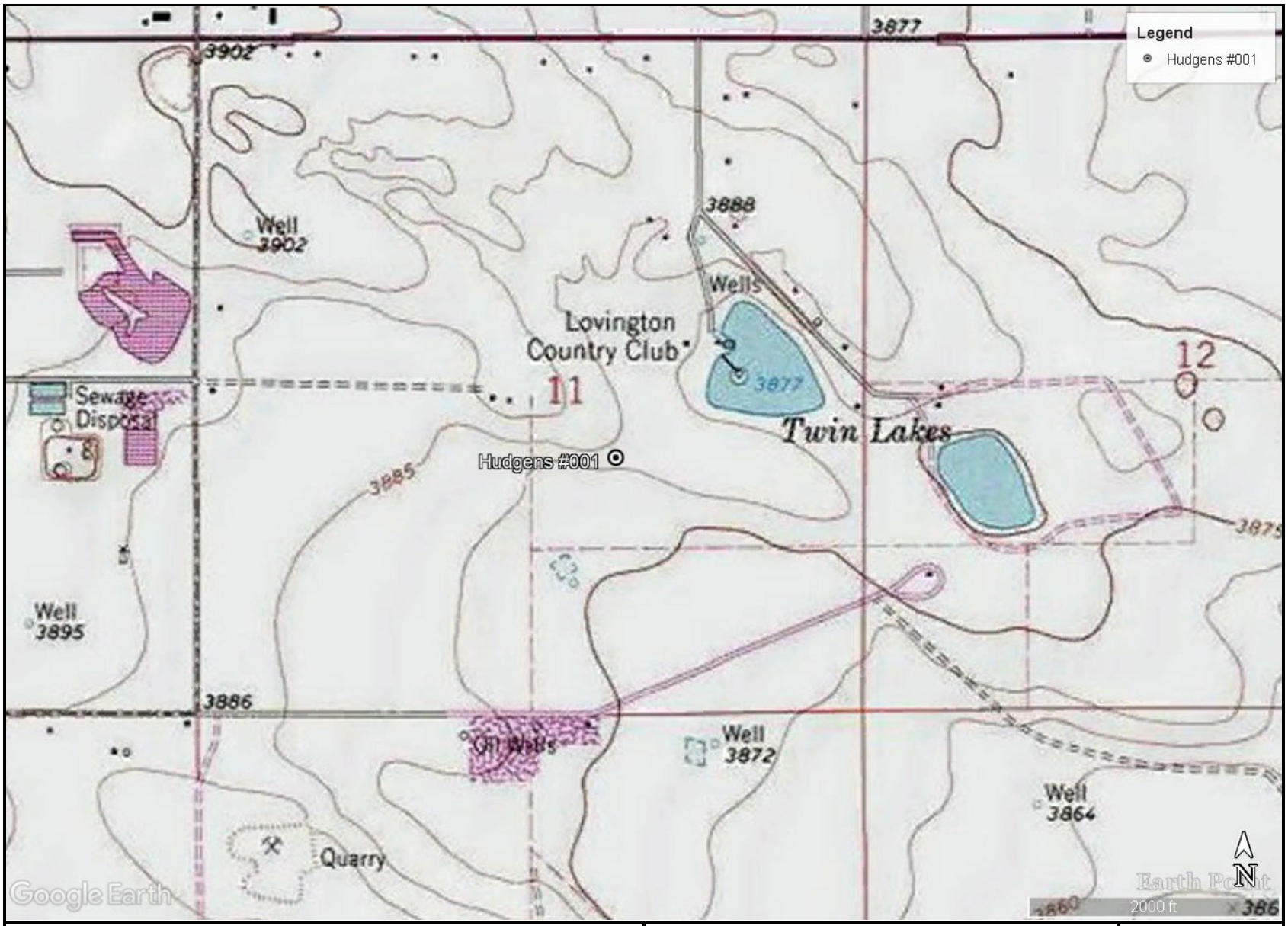
310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

FIGURES

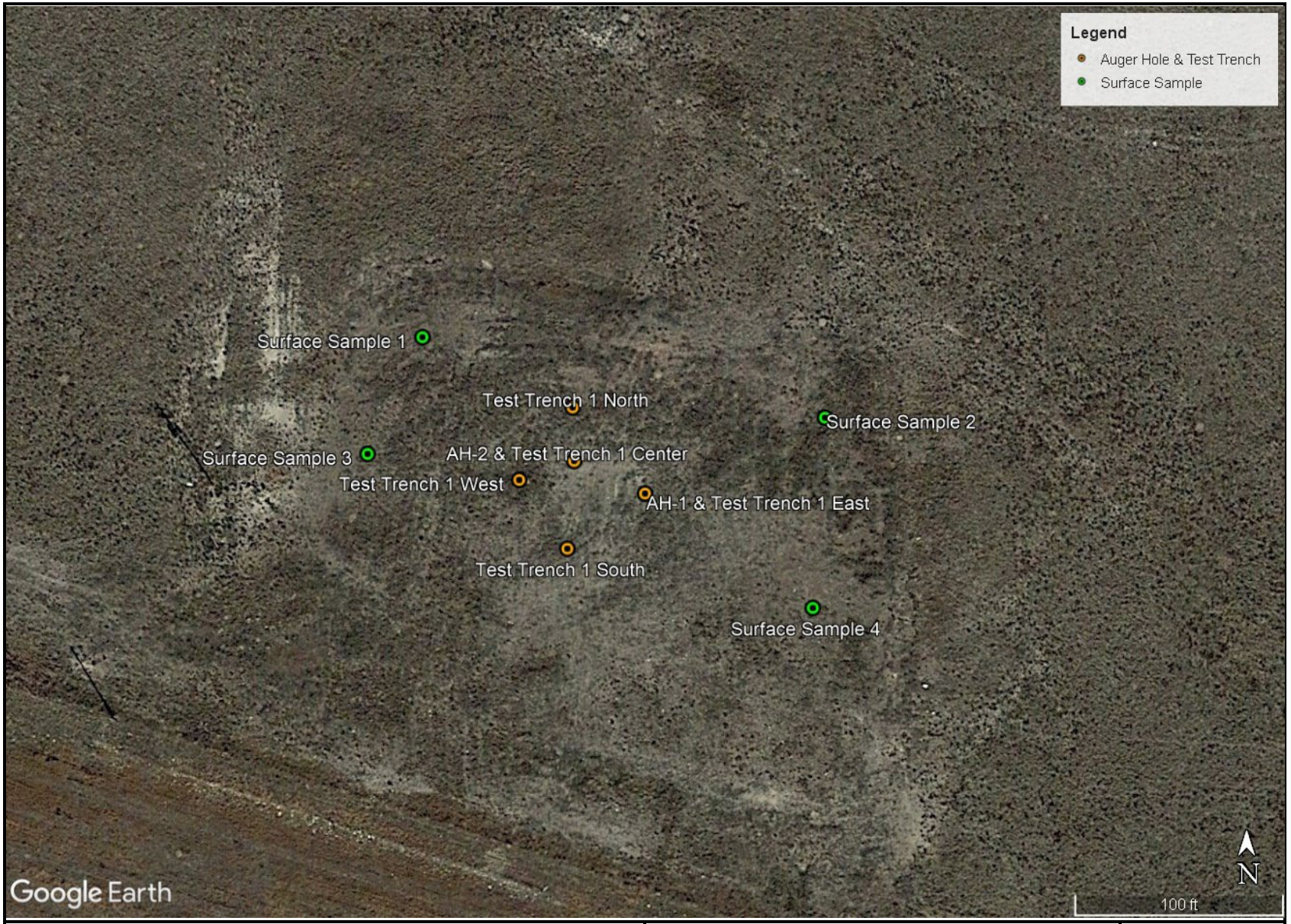
CARMONA RESOURCES

OVERVIEW MAP CHEVRON U.S.A., INC. HUDGENS #001 (02.04.2008) LEA COUNTY, NEW MEXICO 32.9349823°, 103.3231506°	CARMONA RESOURCES	FIGURE 1A

OVERVIEW MAP (CURRENT) CHEVRON U.S.A., INC. HUDGENS #001 (02.04.2008) LEA COUNTY, NEW MEXICO 32.9349823°, 103.3231506°	CARMONA RESOURCES	FIGURE 1B



TOPOGRAPHIC MAP CHEVRON U.S.A., INC. HUDGENS #001 (02.04.2008) LEA COUNTY, NEW MEXICO 32.9349823°, 103.3231506°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP CHEVRON U.S.A., INC. HUDGENS #001 (02.04.2008) LEA COUNTY, NEW MEXICO 32.9349823°, 103.3231506°	CARMONA RESOURCES	FIGURE 3

APPENDIX A

CARMONA RESOURCES

Table 1
Chevron
Hudgens #001 (02.04.2008)
Lea County, New Mexico

Sample ID	Date	Depth (in & ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
Test Trench 1 North	8/31/2023	6"	ND	ND	ND	ND	ND	ND	ND	ND	ND	182
	"	4'	ND	ND	ND	ND	ND	ND	ND	ND	ND	122
Test Trench 1 South	8/31/2023	6"	ND	ND	ND	ND	ND	ND	ND	ND	ND	258
	"	4'	ND	ND	ND	ND	ND	ND	ND	ND	ND	116
AH-1	1/5/2022	0-6"	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7,400**
	"	6-12"	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5,670**
Test Trench 1 East	8/31/2023	6"	ND	ND	ND	ND	ND	ND	ND	ND	ND	176
	"	4'	ND	ND	ND	ND	ND	ND	ND	ND	ND	125
Test Trench 1 West	8/31/2023	6"	ND	ND	ND	ND	ND	ND	ND	ND	ND	203
	"	4'	ND	ND	ND	ND	ND	ND	ND	ND	ND	137
AH-2	1/5/2022	0-6"	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6,350**
	"	6-12"	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3,510**
Test Trench 1 Center	8/31/2023	6"	ND	ND	ND	ND	ND	ND	ND	ND	ND	293
	"	4'	ND	ND	ND	ND	ND	ND	ND	ND	ND	144
Surface Sample 1	8/31/2023	0-2"	ND	ND	ND	ND	ND	ND	ND	ND	ND	67.9
Surface Sample 2	8/31/2023	0-2"	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.9
Surface Sample 3	8/31/2023	0-2"	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.45
Surface Sample 4	8/31/2023	0-2"	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.42
Regulatory Criteria [A]						100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
in - inch
ft - feet
(AH) Auger Hole
Exceeds

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 1

Facility: Hudgens #001

County: Lea County, New Mexico

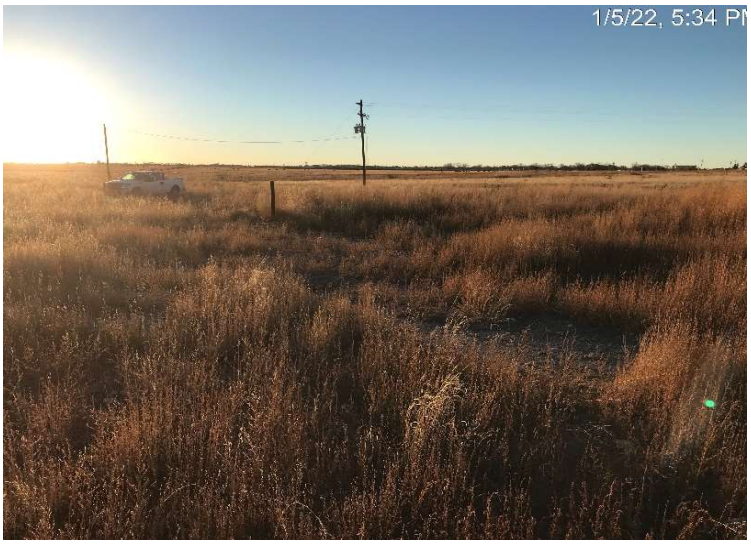
Description:
View North, area of well pad

Photograph No. 2

Facility: Hudgens #001

County: Lea County, New Mexico

Description:
View Southwest, area of well pad



Photograph No. 3

Facility: Hudgens #001

County: Lea County, New Mexico

Description:
View South, area of well pad

PHOTOGRAPHIC LOG

Chevron U.S.A., Inc.

Photograph No. 4

Facility: Hudgens #001

County: Lea County, New Mexico

Description:
View Northwest, area of well pad

APPENDIX C

CARMONA RESOURCES

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	NCOH0807129681
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Chevron USA	OGRID: 4323
Contact Name: Amy Barnhill	Contact Telephone: 432-687-7108
Contact email: ABarnhill@chevron.com	Incident # *(assigned by OCD)*
Contact mailing address: 6301 Deauville Blvd Midland, Tx 79706	

Location of Release Source

Latitude 32.9349823 Longitude -103.3231506
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hudgens 001	Site Type: Oil
Date Release Discovered: 2-4-2008	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
J	11	16S	36E	Lea

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

Nature and Volume of Release

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NCOH0807129681
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Amy Barnhill Title: Water Advisor

Signature: Amy Barnhill Date: 9-12-22

email: ABarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: Date:

Incident ID	NCOH0807129681
District RP	
Facility ID	
Application ID	

Spill Calculations:

State of New Mexico
Oil Conservation Division

Incident ID	nCOH0807129681
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?	>75 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nCOH0807129681
District RP	
Facility ID	
Application ID	

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

Printed Name: Amy Barnhill Title: Water Advisor

Signature: Amy Barnhill Date: 9-12-22

email: abarnhill@chevron.com Telephone: 432-687-7108

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 309508

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 309508
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nCOH0807129681**
Incident Name	**NCOH0807129681 HUDGENS #001 @ 30-025-29712**
Incident Type	**Oil Release**
Incident Status	**Remediation Plan Approved**
Incident Well	**[30-025-29712] HUDGENS #001**

Location of Release Source	
Site Name	**HUDGENS #001**
Date Release Discovered	**02/04/2008**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	12,500
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/31/2023
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Contact: Blake Estep #: 432-894-6038
Please provide any information necessary for navigation to sampling site	GPS: 32.934968, -103.323005

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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 309508
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	1/30/2024

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

Chevron USA

Legend

- 0.01 Miles
- 0.16 Miles
- 0.20 Miles
- 0.25 Miles
- 0.50 Mile Radius
- Hudgens #001
- NMSEO Water Well

78' - Drilled 1967

75' - Drilled 1958

75' - Drilled 1971

Hudgens #001

67' - Drilled 1957

Google Earth

N

2000 ft

Low Karst

Chevron USA

Legend

Hudgens #001

Low

Hudgens #001

Google Earth

2000 ft

N

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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 00135 POD4		L	LE		1	4	11	16S	36E	656779	3645322*	11	149	75	74
L 04005		L	LE				11	16S	36E	656583	3645505*	257	95	75	20
L 00678 POD3	R	L	LE	1	3	4	11	16S	36E	656684	3645017*	320	146	67	79
L 00678 POD4	R	L	LE	1	3	4	11	16S	36E	656684	3645017*	320	212	160	52
L 12502 POD1		L	LE	3	4	2	11	16S	36E	656972	3645642	376	195		
L 00135 POD3		L	LE		3	2	11	16S	36E	656774	3645725*	398	125	78	47
L 00678	R	L	LE		3	4	11	16S	36E	656785	3644918*	408	95		
L 00307 S		L	LE	3	4	2	11	16S	36E	657075	3645632*	432	205		
L 11428		L	LE	3	4	2	11	16S	36E	657075	3645632*	432	156		
L 12097 POD1		L	LE	1	4	2	11	16S	36E	656973	3645781	498	170		
L 03432		L	LE	2	2	4	11	16S	36E	657280	3645428*	521	110	68	42
L 08423		L	LE	2	2	4	11	16S	36E	657280	3645428*	521	120	72	48
L 12088 POD1		L	LE	1	4	2	11	16S	36E	656964	3645818	529	205		
L 12098 POD1		L	LE	2	3	2	11	16S	36E	656953	3645861	565	170		
L 05717		L	LE		4	2	11	16S	36E	657176	3645733*	575	110	67	43
L 05857		L	LE		4	2	11	16S	36E	657176	3645733*	575	100	65	35
L 07992		L	LE		4	2	11	16S	36E	657176	3645733*	575			
L 09445		L	LE		4	2	11	16S	36E	657176	3645733*	575	110		
L 09471		L	LE		4	2	11	16S	36E	657176	3645733*	575	110	72	38
L 00307		L	LE	1	4	2	11	16S	36E	657075	3645832*	591	100	50	50
L 01984		L	LE	4	4	2	11	16S	36E	657275	3645632*	591	95	55	40
L 04080		L	LE	4	4	2	11	16S	36E	657275	3645632*	591	103	75	28
L 04261		L	LE	4	4	2	11	16S	36E	657275	3645632*	591	110	94	16
L 14587 POD1		L	LE	4	1	2	11	16S	36E	656845	3645945	624	165	85	80
L 05922		L	LE			2	11	16S	36E	656975	3645926*	634	105	70	35
L 09389		L	LE			2	11	16S	36E	656975	3645926*	634	110		

***UTM location was derived from PLSS - see Help**

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 11093		L	LE			2	11	16S	36E	656975	3645926*	634	120	70	50
L 14959 POD1		L	LE	1	4	2	11	16S	36E	657054	3645906	645	217	115	102
L 07741		L	LE	2	1	3	11	16S	36E	656074	3645405*	698	142	78	64
L 03999		L	LE	4	1	2	11	16S	36E	656867	3646028*	708	95	65	30
L 08682		L	LE	4	1	2	11	16S	36E	656867	3646028*	708	124	70	54
L 08683		L	LE	4	1	2	11	16S	36E	656867	3646028*	708	123	70	53
L 09053	R	L	LE	3	1	2	11	16S	36E	656667	3646028*	708	175	95	80
L 09054	R	L	LE	3	1	2	11	16S	36E	656667	3646028*	708	135	65	70
L 09054 POD2		L	LE	3	1	2	11	16S	36E	656667	3646028*	708	135	65	70
L 09195		L	LE	3	1	2	11	16S	36E	656667	3646028*	708	135	90	45
L 09198		L	LE	3	1	2	11	16S	36E	656667	3646028*	708	135	90	45
L 09330		L	LE	3	1	2	11	16S	36E	656667	3646028*	708	140	70	70
L 09331		L	LE	3	1	2	11	16S	36E	656667	3646028*	708	140	90	50
L 09340		L	LE	3	1	2	11	16S	36E	656667	3646028*	708	150	90	60
L 09492	R	L	LE	3	1	2	11	16S	36E	656667	3646028*	708	135	65	70
L 10354		L	LE	3	1	2	11	16S	36E	656667	3646028*	708	120	63	57
L 12093 POD1		L	LE	4	2	2	11	16S	36E	656964	3646012	713	170		
L 01038		L	LE	1	1	2	14	16S	36E	656691	3644613*	717	90	60	30
L 05182		L	LE	3	2	2	11	16S	36E	657069	3646036*	770	110	75	35
L 08960		L	LE	3	3	1	12	16S	36E	657477	3645640*	774	112	72	40
L 11748		L	LE	3	3	1	12	16S	36E	657477	3645640*	774	143	73	70
L 11892 POD1		L	LE	3	3	1	12	16S	36E	657477	3645640*	774	130	70	60
L 03172 POD2		L	LE	2	1	3	12	16S	36E	657530	3645494	780	210		

***UTM location was derived from PLSS - see Help**

Average Depth to Water: **76 feet**

Minimum Depth: **50 feet**

Maximum Depth: **160 feet**

Record Count: 49

UTMNAD83 Radius Search (in meters):

Easting (X): 656768.3 **Northing (Y):** 3645326.57 **Radius:** 800

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 00135 POD4		1	4	11	16S	36E	656779	3645322*

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

Driller Name:

Drill Start Date:	09/14/1970	**Drill Finish Date:**	09/16/1970	**Plug Date:**	
Log File Date:	10/30/1970	**PCW Rcv Date:**	01/13/1971	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**	4	**Estimated Yield:**	500 GPM
Casing Size:		**Depth Well:**	149 feet	**Depth Water:**	75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	75	149	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

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 04005				11	16S	36E	656583	3645505*

Driller License: 33 **Driller Company:** TATUM CLAUDE E.

Driller Name:

Drill Start Date: 09/20/1958 **Drill Finish Date:** 09/20/1958 **Plug Date:**

Log File Date: 10/27/1958 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** 95 feet **Depth Water:** 75 feet

Water Bearing Stratifications:	Top	Bottom	Description
	75	95	Sandstone/Gravel/Conglomerate

***UTM location was derived from PLSS - see Help**

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 00678 POD3	1	3	4	11	16S	36E	656684	3645017*

Driller License:	183	**Driller Company:**	CAYTON WATER WELL DRILLING CO		
Driller Name:	JACK CAYTON				
Drill Start Date:	01/01/1957	**Drill Finish Date:**	01/31/1957	**Plug Date:**	03/25/1957
Log File Date:	05/02/1957	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	16.00	**Depth Well:**	146 feet	**Depth Water:**	67 feet

Water Bearing Stratifications:	Top	Bottom	Description
	67	72	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	65	146

***UTM location was derived from PLSS - see Help**

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 00135 POD3		3	2	11	16S	36E	656774	3645725*

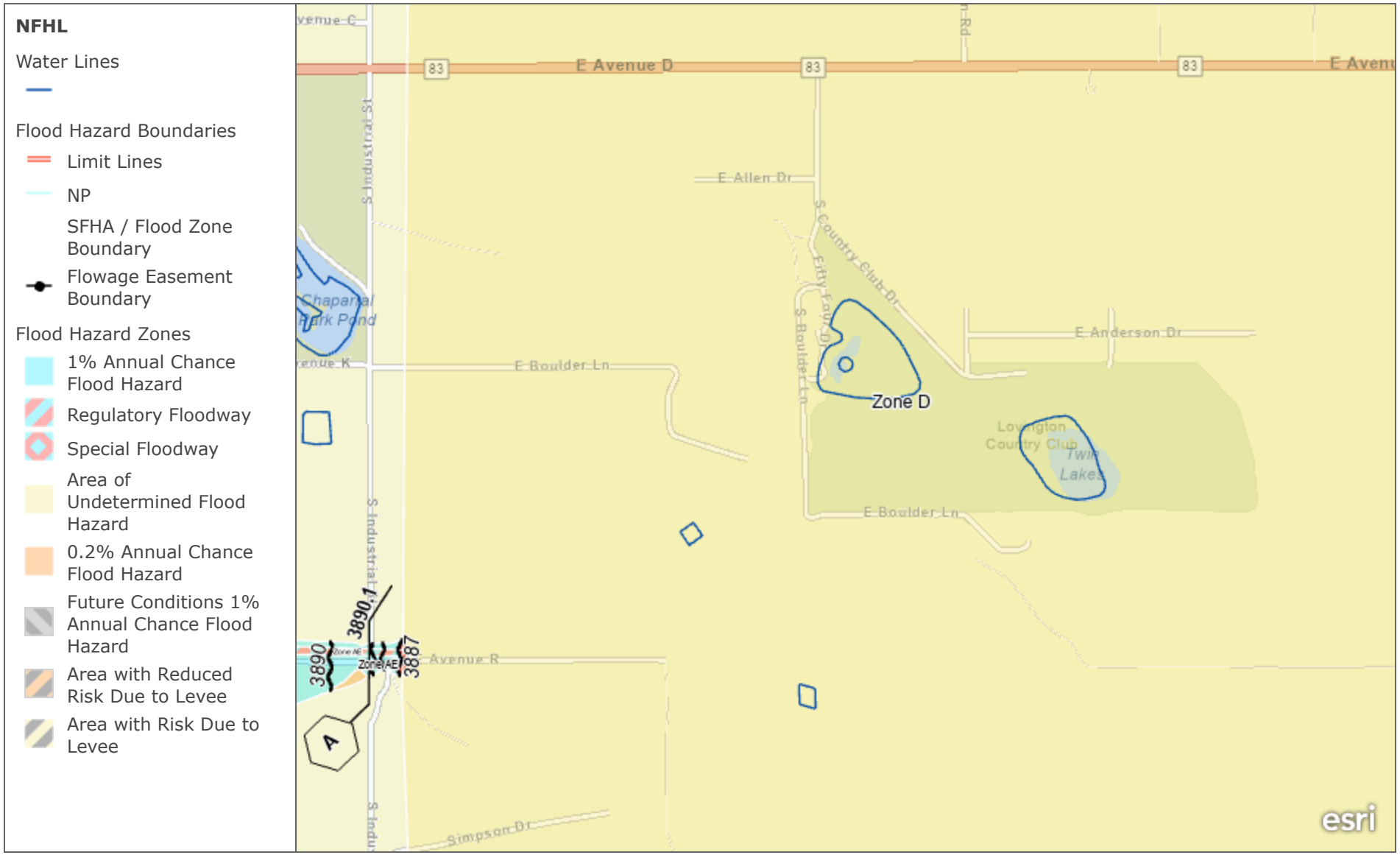
Driller License:	33	**Driller Company:**	TATUM CLAUDE E.		
Driller Name:	CLAUDE TATUM				
Drill Start Date:	08/22/1967	**Drill Finish Date:**	08/25/1967	**Plug Date:**	
Log File Date:	05/02/1968	**PCW Rcv Date:**	05/23/1968	**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	125 GPM
Casing Size:	7.00	**Depth Well:**	125 feet	**Depth Water:**	78 feet

Water Bearing Stratifications:	Top	Bottom	Description
	80	125	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	85	125

***UTM location was derived from PLSS - see Help**

FEMA National Flood Hazard Layer (NFHL)



FEMA flood layer

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FEMA National Flood Hazard Layer (NFHL)

FEMA flood layer

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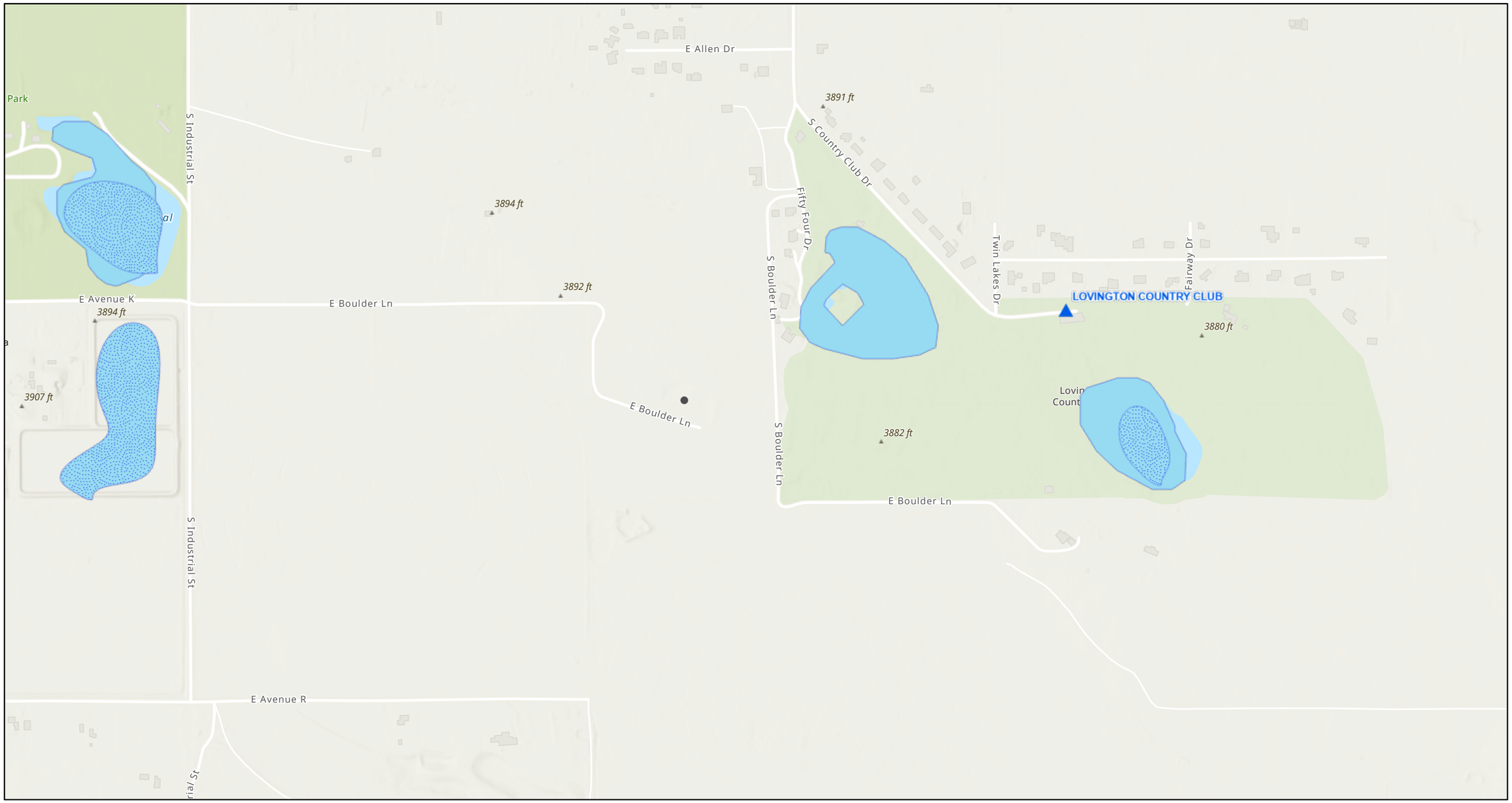
Hugens #001



6/10/2024, 9:22:27 PM

OSW Water Bodys

OSE Probable Playas

NMED Drinking Water Systems

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-9962-1
Client Project/Site: Hudgens #001 (9681)

For:
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: Brandon Wilson

JKramer

Authorized for release by:
1/13/2022 8:23:52 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

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

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Laboratory Job ID: 880-9962-1

Table of Contents

Definitions/Glossary

Client: Etech Environmental & Safety Solutions Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-9962-1

Receipt
The samples were received on 1/7/2022 1:05 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

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

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

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

Client Sample Results

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Client Sample ID: Auger Hole 1
Lab Sample ID: 880-9962-1
Date Collected: 01/05/22 16:08
Matrix: Solid
Date Received: 01/07/22 13:05
Sample Depth: 0-6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/07/22 14:31	01/11/22 00:44	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/07/22 14:31	01/11/22 00:44	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/07/22 14:31	01/11/22 00:44	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/07/22 14:31	01/11/22 00:44	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/07/22 14:31	01/11/22 00:44	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/07/22 14:31	01/11/22 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*01/07/22 14:31*	*01/11/22 00:44*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/07/22 14:31*	*01/11/22 00:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/11/22 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/11/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 17:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 17:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*80*		*70 - 130*	*01/07/22 14:36*	*01/08/22 17:52*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/07/22 14:36*	*01/08/22 17:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7400**		49.9		mg/Kg			01/12/22 14:58	10

Client Sample ID: Auger Hole 1
Lab Sample ID: 880-9962-2
Date Collected: 01/05/22 16:10
Matrix: Solid
Date Received: 01/07/22 13:05
Sample Depth: 6-12"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/07/22 14:31	01/11/22 01:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/07/22 14:31	01/11/22 01:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/07/22 14:31	01/11/22 01:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/07/22 14:31	01/11/22 01:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/07/22 14:31	01/11/22 01:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/07/22 14:31	01/11/22 01:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*01/07/22 14:31*	*01/11/22 01:04*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Client Sample ID: Auger Hole 1
Lab Sample ID: 880-9962-2
Date Collected: 01/05/22 16:10
Matrix: Solid
Date Received: 01/07/22 13:05
Sample Depth: 6-12"

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/07/22 14:31*	*01/11/22 01:04*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/11/22 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/07/22 14:36	01/08/22 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/07/22 14:36	01/08/22 18:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/07/22 14:36	01/08/22 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*80*		*70 - 130*	*01/07/22 14:36*	*01/08/22 18:12*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/07/22 14:36*	*01/08/22 18:12*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5670**		50.0		mg/Kg			01/12/22 15:08	10

Client Sample ID: Auger Hole 2
Lab Sample ID: 880-9962-3
Date Collected: 01/05/22 16:12
Matrix: Solid
Date Received: 01/07/22 13:05
Sample Depth: 0-6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/11/22 02:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/11/22 02:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/11/22 02:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/07/22 14:31	01/11/22 02:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/11/22 02:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/07/22 14:31	01/11/22 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*01/07/22 14:31*	*01/11/22 02:26*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*01/07/22 14:31*	*01/11/22 02:26*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/11/22 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/22 14:19	1

Eurofins Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Client Sample ID: Auger Hole 2
Lab Sample ID: 880-9962-3
Date Collected: 01/05/22 16:12
Matrix: Solid
Date Received: 01/07/22 13:05
Sample Depth: 0-6"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/07/22 14:36	01/08/22 18:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/07/22 14:36	01/08/22 18:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/07/22 14:36	01/08/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*01/07/22 14:36*	*01/08/22 18:53*	*1*
o-Terphenyl	*91*		*70 - 130*	*01/07/22 14:36*	*01/08/22 18:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6350**		49.7		mg/Kg			01/12/22 15:18	10

Client Sample ID: Auger Hole 2
Lab Sample ID: 880-9962-4
Date Collected: 01/05/22 16:14
Matrix: Solid
Date Received: 01/07/22 13:05
Sample Depth: 6-12"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/07/22 14:31	01/11/22 02:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/07/22 14:31	01/11/22 02:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/07/22 14:31	01/11/22 02:46	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/07/22 14:31	01/11/22 02:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/07/22 14:31	01/11/22 02:46	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/07/22 14:31	01/11/22 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*01/07/22 14:31*	*01/11/22 02:46*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*01/07/22 14:31*	*01/11/22 02:46*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/11/22 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/11/22 14:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 19:13	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 19:13	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*01/07/22 14:36*	*01/08/22 19:13*	*1*
o-Terphenyl	*105*		*70 - 130*	*01/07/22 14:36*	*01/08/22 19:13*	*1*

Client Sample Results

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Client Sample ID: Auger Hole 2
Lab Sample ID: 880-9962-4
Date Collected: 01/05/22 16:14
Matrix: Solid
Date Received: 01/07/22 13:05
Sample Depth: 6-12"

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3510		24.8		mg/Kg			01/12/22 15:28	5

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-9960-A-1-A MS	Matrix Spike	108	108										
880-9960-A-1-B MSD	Matrix Spike Duplicate	103	99										
880-9962-1	Auger Hole 1	131 S1+	93										
880-9962-2	Auger Hole 1	123	84										
880-9962-3	Auger Hole 2	138 S1+	107										
880-9962-4	Auger Hole 2	139 S1+	111										
LCS 880-16279/1-A	Lab Control Sample	101	99										
LCSD 880-16279/2-A	Lab Control Sample Dup	105	95										
MB 880-16220/5-A	Method Blank	98	106										
MB 880-16279/5-A	Method Blank	108	97										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-9942-A-1-C MS	Matrix Spike	77	76										
880-9942-A-1-D MSD	Matrix Spike Duplicate	85	85										
880-9962-1	Auger Hole 1	80	91										
880-9962-2	Auger Hole 1	80	91										
880-9962-3	Auger Hole 2	78	91										
880-9962-4	Auger Hole 2	90	105										
LCS 880-16281/2-A	Lab Control Sample	103	106										
LCSD 880-16281/3-A	Lab Control Sample Dup	108	112										
MB 880-16281/1-A	Method Blank	82	98										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-16220/5-A
Matrix: Solid
Analysis Batch: 16342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16220

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/07/22 09:17	01/10/22 10:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/22 09:17	01/10/22 10:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/22 09:17	01/10/22 10:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/07/22 09:17	01/10/22 10:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/22 09:17	01/10/22 10:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/07/22 09:17	01/10/22 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*01/07/22 09:17*	*01/10/22 10:46*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/07/22 09:17*	*01/10/22 10:46*	*1*

Lab Sample ID: MB 880-16279/5-A
Matrix: Solid
Analysis Batch: 16342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16279

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/10/22 21:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/10/22 21:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/10/22 21:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/07/22 14:31	01/10/22 21:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/07/22 14:31	01/10/22 21:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/07/22 14:31	01/10/22 21:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*01/07/22 14:31*	*01/10/22 21:39*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*01/07/22 14:31*	*01/10/22 21:39*	*1*

Lab Sample ID: LCS 880-16279/1-A
Matrix: Solid
Analysis Batch: 16342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16279

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09238		mg/Kg		92	70 - 130
Toluene	0.100	0.08627		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.08328		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.1716		mg/Kg		86	70 - 130
o-Xylene	0.100	0.08407		mg/Kg		84	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-16279/2-A
Matrix: Solid
Analysis Batch: 16342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16279

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09219		mg/Kg		92	70 - 130	0	35

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

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

Lab Sample ID: LCSD 880-16279/2-A
Matrix: Solid
Analysis Batch: 16342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16279

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.08649		mg/Kg		86	70 - 130	0	35
Ethylbenzene			0.100	0.08511		mg/Kg		85	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.1746		mg/Kg		87	70 - 130	2	35
o-Xylene			0.100	0.08698		mg/Kg		87	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-9960-A-1-A MS
Matrix: Solid
Analysis Batch: 16342

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16279

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U F1	0.100	0.06756	F1	mg/Kg		68	70 - 130		
Toluene	<0.00198	U F1	0.100	0.05938	F1	mg/Kg		59	70 - 130		
Ethylbenzene	<0.00198	U F1	0.100	0.05428	F1	mg/Kg		54	70 - 130		
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1102	F1	mg/Kg		55	70 - 130		
o-Xylene	<0.00198	U F1	0.100	0.05533	F1	mg/Kg		55	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: 880-9960-A-1-B MSD
Matrix: Solid
Analysis Batch: 16342

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16279

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.0998	0.07272		mg/Kg		73	70 - 130	7	35
Toluene	<0.00198	U F1	0.0998	0.06335	F1	mg/Kg		63	70 - 130	6	35
Ethylbenzene	<0.00198	U F1	0.0998	0.05857	F1	mg/Kg		58	70 - 130	8	35
m-Xylene & p-Xylene	<0.00396	U F1	0.200	0.1183	F1	mg/Kg		59	70 - 130	7	35
o-Xylene	<0.00198	U F1	0.0998	0.05836	F1	mg/Kg		58	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-16281/1-A
Matrix: Solid
Analysis Batch: 16324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 13:27	1

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

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

Lab Sample ID: MB 880-16281/1-A
Matrix: Solid
Analysis Batch: 16324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16281

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 13:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/07/22 14:36	01/08/22 13:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*01/07/22 14:36*	*01/08/22 13:27*	*1*
o-Terphenyl	*98*		*70 - 130*	*01/07/22 14:36*	*01/08/22 13:27*	*1*

Lab Sample ID: LCS 880-16281/2-A
Matrix: Solid
Analysis Batch: 16324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16281

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	792.8		mg/Kg		79	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1073		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: LCSD 880-16281/3-A
Matrix: Solid
Analysis Batch: 16324

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16281

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	876.3		mg/Kg		88	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	1000	1179		mg/Kg		118	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*108*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: 880-9942-A-1-C MS
Matrix: Solid
Analysis Batch: 16324

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16281

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	843.3		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1076		mg/Kg		105	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*77*		*70 - 130*
o-Terphenyl	*76*		*70 - 130*

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

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

Lab Sample ID: 880-9942-A-1-D MSD
Matrix: Solid
Analysis Batch: 16324

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16281

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	999	966.2		mg/Kg		95	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1231		mg/Kg		121	70 - 130	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-16437/1-A
Matrix: Solid
Analysis Batch: 16545

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/12/22 10:42	1

Lab Sample ID: LCS 880-16437/2-A
Matrix: Solid
Analysis Batch: 16545

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.9		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-16437/3-A
Matrix: Solid
Analysis Batch: 16545

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	260.2		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-9960-A-4-D MS
Matrix: Solid
Analysis Batch: 16545

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	15.0		250	290.0		mg/Kg		110	90 - 110

Lab Sample ID: 880-9960-A-4-E MSD
Matrix: Solid
Analysis Batch: 16545

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	15.0		250	286.0		mg/Kg		108	90 - 110	1	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

GC VOA

Prep Batch: 16220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-16220/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 16279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Total/NA	Solid	5035	
880-9962-2	Auger Hole 1	Total/NA	Solid	5035	
880-9962-3	Auger Hole 2	Total/NA	Solid	5035	
880-9962-4	Auger Hole 2	Total/NA	Solid	5035	
MB 880-16279/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16279/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16279/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-9960-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-9960-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 16342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Total/NA	Solid	8021B	16279
880-9962-2	Auger Hole 1	Total/NA	Solid	8021B	16279
880-9962-3	Auger Hole 2	Total/NA	Solid	8021B	16279
880-9962-4	Auger Hole 2	Total/NA	Solid	8021B	16279
MB 880-16220/5-A	Method Blank	Total/NA	Solid	8021B	16220
MB 880-16279/5-A	Method Blank	Total/NA	Solid	8021B	16279
LCS 880-16279/1-A	Lab Control Sample	Total/NA	Solid	8021B	16279
LCSD 880-16279/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16279
880-9960-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	16279
880-9960-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	16279

Analysis Batch: 16518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-9962-2	Auger Hole 1	Total/NA	Solid	Total BTEX	
880-9962-3	Auger Hole 2	Total/NA	Solid	Total BTEX	
880-9962-4	Auger Hole 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 16281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-9962-2	Auger Hole 1	Total/NA	Solid	8015NM Prep	
880-9962-3	Auger Hole 2	Total/NA	Solid	8015NM Prep	
880-9962-4	Auger Hole 2	Total/NA	Solid	8015NM Prep	
MB 880-16281/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16281/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16281/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9942-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-9942-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 16324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Total/NA	Solid	8015B NM	16281

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

GC Semi VOA (Continued)

Analysis Batch: 16324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-2	Auger Hole 1	Total/NA	Solid	8015B NM	16281
880-9962-3	Auger Hole 2	Total/NA	Solid	8015B NM	16281
880-9962-4	Auger Hole 2	Total/NA	Solid	8015B NM	16281
MB 880-16281/1-A	Method Blank	Total/NA	Solid	8015B NM	16281
LCS 880-16281/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16281
LCSD 880-16281/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16281
880-9942-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	16281
880-9942-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16281

Analysis Batch: 16554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Total/NA	Solid	8015 NM	
880-9962-2	Auger Hole 1	Total/NA	Solid	8015 NM	
880-9962-3	Auger Hole 2	Total/NA	Solid	8015 NM	
880-9962-4	Auger Hole 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 16437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Soluble	Solid	DI Leach	
880-9962-2	Auger Hole 1	Soluble	Solid	DI Leach	
880-9962-3	Auger Hole 2	Soluble	Solid	DI Leach	
880-9962-4	Auger Hole 2	Soluble	Solid	DI Leach	
MB 880-16437/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16437/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16437/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9960-A-4-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-9960-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 16545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9962-1	Auger Hole 1	Soluble	Solid	300.0	16437
880-9962-2	Auger Hole 1	Soluble	Solid	300.0	16437
880-9962-3	Auger Hole 2	Soluble	Solid	300.0	16437
880-9962-4	Auger Hole 2	Soluble	Solid	300.0	16437
MB 880-16437/1-A	Method Blank	Soluble	Solid	300.0	16437
LCS 880-16437/2-A	Lab Control Sample	Soluble	Solid	300.0	16437
LCSD 880-16437/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16437
880-9960-A-4-D MS	Matrix Spike	Soluble	Solid	300.0	16437
880-9960-A-4-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	16437

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Client Sample ID: Auger Hole 1
Lab Sample ID: 880-9962-1
Date Collected: 01/05/22 16:08
Matrix: Solid
Date Received: 01/07/22 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	16279	01/07/22 14:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16342	01/11/22 00:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16518	01/11/22 12:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16281	01/07/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16324	01/08/22 17:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	16437	01/10/22 13:11	CH	XEN MID
Soluble	Analysis	300.0		10			16545	01/12/22 14:58	CH	XEN MID

Client Sample ID: Auger Hole 1
Lab Sample ID: 880-9962-2
Date Collected: 01/05/22 16:10
Matrix: Solid
Date Received: 01/07/22 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	16279	01/07/22 14:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16342	01/11/22 01:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16518	01/11/22 12:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16281	01/07/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16324	01/08/22 18:12	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16437	01/10/22 13:11	CH	XEN MID
Soluble	Analysis	300.0		10			16545	01/12/22 15:08	CH	XEN MID

Client Sample ID: Auger Hole 2
Lab Sample ID: 880-9962-3
Date Collected: 01/05/22 16:12
Matrix: Solid
Date Received: 01/07/22 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	16279	01/07/22 14:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16342	01/11/22 02:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16518	01/11/22 12:59	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16281	01/07/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16324	01/08/22 18:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	16437	01/10/22 13:11	CH	XEN MID
Soluble	Analysis	300.0		10			16545	01/12/22 15:18	CH	XEN MID

Client Sample ID: Auger Hole 2
Lab Sample ID: 880-9962-4
Date Collected: 01/05/22 16:14
Matrix: Solid
Date Received: 01/07/22 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	16279	01/07/22 14:31	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16342	01/11/22 02:46	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16518	01/11/22 12:59	AJ	XEN MID

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Client Sample ID: Auger Hole 2
Lab Sample ID: 880-9962-4

Date Collected: 01/05/22 16:14
Matrix: Solid

Date Received: 01/07/22 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16554	01/11/22 14:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16281	01/07/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16324	01/08/22 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16437	01/10/22 13:11	CH	XEN MID
Soluble	Analysis	300.0		5			16545	01/12/22 15:28	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions Job ID: 880-9962-1
Project/Site: Hudgens #001 (9681)

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Hudgens #001 (9681)

Job ID: 880-9962-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-9962-1	Auger Hole 1	Solid	01/05/22 16:08	01/07/22 13:05	0-6"
880-9962-2	Auger Hole 1	Solid	01/05/22 16:10	01/07/22 13:05	6-12"
880-9962-3	Auger Hole 2	Solid	01/05/22 16:12	01/07/22 13:05	0-6"
880-9962-4	Auger Hole 2	Solid	01/05/22 16:14	01/07/22 13:05	6-12"

Chain of Custody

XENCO LABORATORIES

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432-704-5440) EL Paso TX (915)585-3443 Lubbock TX (806)794-1296
Hobbs NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta GA (770-449-8800) Tampa FL (813-620-2000)

Work Order No: 99162

www xenco com Page 1 of 1

1/13/2022

Project Manager	Brandon Wilson	Bill to (if different)	
Company Name	Etech Environmental	Company Name	
Address	13000 W CR 100	Address	
City, State ZIP	Odessa, Tx 79765	City, State ZIP	
Phone	432-563-2200	Email	brandon@etechenv com, blake@etechenv com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Hudgens #001 (9681)	Turn Around	
Project Number	15313	Routine	☒
P O Number	15313	Rush	
Sampler's Name	Blake Estep	Due Date	

SAMPLE RECEIPT				
Temp Blank	Yes (No)	Wet Ice	(Yes) No	
Temperature (°C)	53/54	Thermometer ID	IR8	
Received Intact.	(Yes) No			
Cooler Custody Seals	Yes No (N/A)	Correction Factor	10	
Sample Custody Seals	Yes No (N/A)	Total Containers		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH 8015M	BETEX 8021B	Chlorides
Auger Hole 1	S	1/5/2022	16 08	0-6"	1	X	X	X
Auger Hole 1	S	1/5/2022	16 10	6-12"	1	X	X	X
Auger Hole 2	S	1/5/2022	16 12	0-6"	1	X	X	X
Auger Hole 2	S	1/5/2022	16 14	6-12"	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab if received by 4 30pm

Sample Comments

880-9962 Chain of Custody

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 1631 / 245.1 / 7470 / 7471 Hg

Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed These terms will be enforced unless previously negotiated

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		1-7-22 13:05	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions Job Number: 880-9962-1

Login Number: 9962 **List Source: Eurofins Midland**
List Number: 1
Creator: Rodriguez, Leticia

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

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

PBELAB

Analytical Report Rev. 1

Prepared for:

Blake Estep
E Tech Environmental & Safety Solutions, Inc. [1]
13000 West County Road 100
Odessa, TX 79765

Project: Hudgens #001
Project Number: 15313
Location: None Given

Lab Order Number: 3I06014

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 06/12/24

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Test Trench-1 North @ 6"	3I06014-01	Soil	08/31/23 09:30	09-06-2023 11:10
Test Trench-1 North @ 4'	3I06014-02	Soil	08/31/23 11:55	09-06-2023 11:10
Test Trench-1 South @ 6"	3I06014-03	Soil	08/31/23 09:10	09-06-2023 11:10
Test Trench-1 South @ 4'	3I06014-04	Soil	08/31/23 11:50	09-06-2023 11:10
Test Trench-1 East @ 6"	3I06014-05	Soil	08/31/23 09:20	09-06-2023 11:10
Test Trench-1 East @ 4'	3I06014-06	Soil	08/31/23 12:10	09-06-2023 11:10
Test Trench-1 West @ 6"	3I06014-07	Soil	08/31/23 09:15	09-06-2023 11:10
Test Trench-1 West @ 4'	3I06014-08	Soil	08/31/23 12:00	09-06-2023 11:10
Test Trench-1 Center @ 6"	3I06014-09	Soil	08/31/23 09:00	09-06-2023 11:10
Test Trench-1 Center @ 4'	3I06014-10	Soil	08/31/23 11:45	09-06-2023 11:10
Surface Sample-1 @ 0-2"	3I06014-11	Soil	08/31/23 08:00	09-06-2023 11:10
Surface Sample-2 @ 0-2"	3I06014-12	Soil	08/31/23 08:15	09-06-2023 11:10
Surface Sample-3 @ 0-2"	3I06014-13	Soil	08/31/23 08:20	09-06-2023 11:10
Surface Sample-4 @ 0-2"	3I06014-14	Soil	08/31/23 08:23	09-06-2023 11:10
Test Trench-2 North @ 6"	3I06014-15	Soil	08/31/23 10:05	09-06-2023 11:10
Test Trench-2 North @ 4'	3I06014-16	Soil	08/31/23 12:25	09-06-2023 11:10
Test Trench-2 South @ 6"	3I06014-17	Soil	08/31/23 10:25	09-06-2023 11:10
Test Trench-2 South @ 4'	3I06014-18	Soil	08/31/23 12:20	09-06-2023 11:10
Test Trench-2 East @ 6"	3I06014-19	Soil	08/31/23 10:10	09-06-2023 11:10
Test Trench-2 East @ 4'	3I06014-20	Soil	08/31/23 12:30	09-06-2023 11:10
Test Trench-2 West @ 6"	3I06014-21	Soil	08/31/23 10:20	09-06-2023 11:10
Test Trench-2 West @ 4'	3I06014-22	Soil	08/31/23 12:35	09-06-2023 11:10
Test Trench-2 Center @ 6"	3I06014-23	Soil	08/31/23 10:00	09-06-2023 11:10
Test Trench-2 Center @ 4'	3I06014-24	Soil	08/31/23 12:15	09-06-2023 11:10
Surface Sample-1 @ 0-2"	3I06014-25	Soil	08/31/23 11:20	09-06-2023 11:10
Surface Sample-2 @ 0-2"	3I06014-26	Soil	08/31/23 10:30	09-06-2023 11:10
Surface Sample-3 @ 0-2"	3I06014-27	Soil	08/31/23 11:40	09-06-2023 11:10

This report was requested to be sent to Carmona Resources by Carmona Resources, including the COC and full report. The initial report was sent to the relinquishing consultant. The revised report for Carmona Resources is attached below with all corresponding documentation.

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 North @ 6''

3I06014-01 (Soil)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:05	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:05	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:05	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:05	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*106 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 18:05*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*98.2 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 18:05*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 18:05	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 18:05	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 16:32	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 16:32	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 16:32	TPH 8015M	
Surrogate: 1-Chlorooctane	*79.4 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 16:32*	*TPH 8015M*	
Surrogate: o-Terphenyl	*97.3 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 16:32*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 16:32	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**182**	1.08	mg/kg dry	1	P3I0709	09/07/23 15:54	09/08/23 02:22	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 North @ 4'

3I06014-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:29	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:29	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:29	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:29	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:29	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*107 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 18:29*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*97.9 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 18:29*	*EPA 8021B*	
Xylenes (total)	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 18:29	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 18:29	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 16:57	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 16:57	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 16:57	TPH 8015M	
Surrogate: 1-Chlorooctane	*80.1 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 16:57*	*TPH 8015M*	
Surrogate: o-Terphenyl	*95.9 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 16:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 16:57	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**122**	1.05	mg/kg dry	1	P3I0709	09/07/23 15:54	09/08/23 02:36	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 South @ 6''

3I06014-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:54	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:54	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:54	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:54	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 18:54	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 18:54*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.1 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 18:54*	*EPA 8021B*	
Xylenes (total)	ND	0.00109	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 18:54	EPA 8021B	
Total BTEX	ND	0.00109	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 18:54	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 17:23	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 17:23	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 17:23	TPH 8015M	
Surrogate: 1-Chlorooctane		*70.3 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 17:23*	*TPH 8015M*	
Surrogate: o-Terphenyl		*85.1 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 17:23*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 17:23	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**258**	1.09	mg/kg dry	1	P3I0709	09/07/23 15:54	09/08/23 02:51	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 South @ 4'

3I06014-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:18	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:18	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:18	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:18	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*108 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 19:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*97.8 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 19:18*	*EPA 8021B*	
Xylenes (total)	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 19:18	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 19:18	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 17:48	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 17:48	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 17:48	TPH 8015M	
Surrogate: 1-Chlorooctane	*80.7 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 17:48*	*TPH 8015M*	
Surrogate: o-Terphenyl	*97.3 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 17:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 17:48	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**116**	1.05	mg/kg dry	1	P3I0709	09/07/23 15:54	09/08/23 03:05	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 East @ 6"

3I06014-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:43	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:43	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:43	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:43	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 19:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*98.0 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 19:43*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*107 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 19:43*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 19:43	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 19:43	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 18:13	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 18:13	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 18:13	TPH 8015M	
Surrogate: 1-Chlorooctane	*88.6 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 18:13*	*TPH 8015M*	
Surrogate: o-Terphenyl	*107 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 18:13*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 18:13	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**176**	1.08	mg/kg dry	1	P3I0709	09/07/23 15:54	09/08/23 03:19	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 East @ 4'

3I06014-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:07	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:07	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:07	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:07	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:07	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 20:07*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.8 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 20:07*	*EPA 8021B*	
Xylenes (total)	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 20:07	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 20:07	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 18:38	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 18:38	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 18:38	TPH 8015M	
Surrogate: 1-Chlorooctane		*73.8 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 18:38*	*TPH 8015M*	
Surrogate: o-Terphenyl		*88.9 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 18:38*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 18:38	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**125**	1.05	mg/kg dry	1	P3I0709	09/07/23 15:54	09/08/23 03:34	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 West @ 6"

3I06014-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:31	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:31	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:31	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:31	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 20:31*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.1 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 20:31*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 20:31	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 20:31	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:02	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:02	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*84.1 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 19:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 19:02*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 19:02	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**203**	1.08	mg/kg dry	1	P3I0709	09/07/23 15:54	09/08/23 04:16	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 West @ 4'

3I06014-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:56	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:56	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:56	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:56	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 20:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 20:56*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.4 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 20:56*	*EPA 8021B*	
Xylenes (total)	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 20:56	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 20:56	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:27	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:27	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:27	TPH 8015M	
Surrogate: 1-Chlorooctane		*87.1 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 19:27*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 19:27*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 19:27	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**137**	1.05	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 18:55	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 Center @ 6"

3I06014-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:20	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:20	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:20	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:20	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 21:20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.5 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 21:20*	*EPA 8021B*	
Xylenes (total)	ND	0.00109	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 21:20	EPA 8021B	
Total BTEX	ND	0.00109	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 21:20	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:52	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:52	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 19:52	TPH 8015M	
Surrogate: 1-Chlorooctane		*89.1 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 19:52*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 19:52*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 19:52	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**293**	1.09	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 19:56	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-1 Center @ 4'

3I06014-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:44	EPA 8021B	
Toluene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:44	EPA 8021B	
Ethylbenzene	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:44	EPA 8021B	
Xylene (p/m)	ND	0.00211	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:44	EPA 8021B	
Xylene (o)	ND	0.00105	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 21:44	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*109 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 21:44*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*98.5 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 21:44*	*EPA 8021B*	
Xylenes (total)	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 21:44	EPA 8021B	
Total BTEX	ND	0.00105	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 21:44	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 20:16	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 20:16	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 20:16	TPH 8015M	
Surrogate: 1-Chlorooctane	*87.6 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 20:16*	*TPH 8015M*	
Surrogate: o-Terphenyl	*104 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 20:16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 20:16	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**144**	1.05	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 20:17	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Surface Sample-1 @ 0-2"

3I06014-11 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 22:57	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 22:57	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 22:57	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 22:57	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 22:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 22:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.5 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 22:57*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 22:57	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 22:57	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 21:29	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 21:29	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 21:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.0 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 21:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 21:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 21:29	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**67.9**	1.08	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 20:37	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Surface Sample-2 @ 0-2"

3I06014-12 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:22	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:22	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:22	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:22	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*98.8 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 23:22*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*109 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 23:22*	*EPA 8021B*	
Xylenes (total)	ND	0.00106	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 23:22	EPA 8021B	
Total BTEX	ND	0.00106	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 23:22	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 21:53	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 21:53	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 21:53	TPH 8015M	
Surrogate: 1-Chlorooctane	*86.5 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 21:53*	*TPH 8015M*	
Surrogate: o-Terphenyl	*103 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 21:53*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 21:53	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**64.9**	1.06	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 20:58	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Surface Sample-3 @ 0-2"

3I06014-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:46	EPA 8021B	
Toluene	ND	0.00110	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:46	EPA 8021B	
Ethylbenzene	ND	0.00110	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:46	EPA 8021B	
Xylene (p/m)	ND	0.00220	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:46	EPA 8021B	
Xylene (o)	ND	0.00110	mg/kg dry	1	P3I0609	09/06/23 15:06	09/06/23 23:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 23:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.9 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/06/23 23:46*	*EPA 8021B*	
Xylenes (total)	ND	0.00110	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 23:46	EPA 8021B	
Total BTEX	ND	0.00110	mg/kg dry	1	[CALC]	09/06/23 15:06	09/06/23 23:46	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.5	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 22:17	TPH 8015M	
>C12-C28	ND	27.5	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 22:17	TPH 8015M	
>C28-C35	ND	27.5	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 22:17	TPH 8015M	
Surrogate: 1-Chlorooctane		*91.4 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 22:17*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 22:17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.5	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 22:17	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.45**	1.10	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 21:18	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Surface Sample-4 @ 0-2"

3I06014-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:10	EPA 8021B	
Toluene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:10	EPA 8021B	
Ethylbenzene	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:10	EPA 8021B	
Xylene (p/m)	ND	0.00217	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:10	EPA 8021B	
Xylene (o)	ND	0.00109	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*98.9 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 00:10*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*109 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 00:10*	*EPA 8021B*	
Xylenes (total)	ND	0.00109	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 00:10	EPA 8021B	
Total BTEX	ND	0.00109	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 00:10	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 22:41	TPH 8015M	
>C12-C28	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 22:41	TPH 8015M	
>C28-C35	ND	27.2	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 22:41	TPH 8015M	
Surrogate: 1-Chlorooctane	*88.4 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 22:41*	*TPH 8015M*	
Surrogate: o-Terphenyl	*106 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 22:41*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.2	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 22:41	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.42**	1.09	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 21:39	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 North @ 6''

3I06014-15 (Soil)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:34	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:34	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:34	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:34	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*109 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 00:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*99.0 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 00:34*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 00:34	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 00:34	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:05	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:05	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:05	TPH 8015M	
Surrogate: 1-Chlorooctane	*87.4 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 23:05*	*TPH 8015M*	
Surrogate: o-Terphenyl	*105 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 23:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 23:05	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.20**	1.08	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 22:00	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 North @ 4'

3I06014-16 (Soil)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:59	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:59	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:59	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:59	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 00:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*99.1 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 00:59*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*110 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 00:59*	*EPA 8021B*	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 00:59	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 00:59	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:29	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:29	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:29	TPH 8015M	
Surrogate: 1-Chlorooctane	*90.9 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 23:29*	*TPH 8015M*	
Surrogate: o-Terphenyl	*109 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 23:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 23:29	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**197**	1.03	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 22:20	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 South @ 6''

3I06014-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:23	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:23	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:23	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:23	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 01:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 01:23*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 01:23	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 01:23	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:53	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:53	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0706	09/07/23 14:00	09/07/23 23:53	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.8 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 23:53*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P3I0706*	*09/07/23 14:00*	*09/07/23 23:53*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/07/23 23:53	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.75**	1.08	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 22:41	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 South @ 4'

3I06014-18 (Soil)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:47	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:47	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:47	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:47	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 01:47	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*97.7 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 01:47*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*108 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 01:47*	*EPA 8021B*	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 01:47	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 01:47	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 00:17	TPH 8015M	
>C12-C28	**44.0**	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 00:17	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 00:17	TPH 8015M	
Surrogate: 1-Chlorooctane	*91.3 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/08/23 00:17*	*TPH 8015M*	
Surrogate: o-Terphenyl	*109 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/08/23 00:17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**44.0**	25.8	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 00:17	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**537**	1.03	mg/kg dry	1	P3I0710	09/07/23 15:56	09/07/23 23:42	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 East @ 6"

3I06014-19 (Soil)

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:11	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:11	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:11	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:11	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:11	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*110 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 02:11*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*99.6 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 02:11*	*EPA 8021B*	
Xylenes (total)	ND	0.00106	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 02:11	EPA 8021B	
Total BTEX	ND	0.00106	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 02:11	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 00:41	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 00:41	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 00:41	TPH 8015M	
Surrogate: 1-Chlorooctane	*92.3 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/08/23 00:41*	*TPH 8015M*	
Surrogate: o-Terphenyl	*111 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/08/23 00:41*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 00:41	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.6**	1.06	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 00:44	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 East @ 4'

3I06014-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:36	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:36	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:36	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:36	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I0609	09/06/23 15:06	09/07/23 02:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*99.2 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 02:36*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*111 %*		*80-120*		*P3I0609*	*09/06/23 15:06*	*09/07/23 02:36*	*EPA 8021B*	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 02:36	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	09/06/23 15:06	09/07/23 02:36	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 01:05	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 01:05	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3I0706	09/07/23 14:00	09/08/23 01:05	TPH 8015M	
Surrogate: 1-Chlorooctane	*87.1 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/08/23 01:05*	*TPH 8015M*	
Surrogate: o-Terphenyl	*104 %*		*70-130*		*P3I0706*	*09/07/23 14:00*	*09/08/23 01:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 01:05	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**191**	1.03	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 01:04	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 West @ 6"

3I06014-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:48	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:48	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:48	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:48	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 22:48*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 22:48*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 22:48	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 22:48	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 05:48	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 05:48	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 05:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*82.0 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 05:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 05:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 05:48	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**15.7**	1.08	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 01:25	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 West @ 4'

3I06014-22 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:22	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:22	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:22	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:22	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*99.7 %*		*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 20:22*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*107 %*		*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 20:22*	*EPA 8021B*	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 20:22	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 20:22	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 06:13	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 06:13	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 06:13	TPH 8015M	
Surrogate: 1-Chlorooctane	*80.5 %*		*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 06:13*	*TPH 8015M*	
Surrogate: o-Terphenyl	*111 %*		*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 06:13*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 06:13	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**196**	1.03	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 01:45	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 Center @ 6"

3I06014-23 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:46	EPA 8021B	
Toluene	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:46	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:46	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:46	EPA 8021B	
Xylene (o)	ND	0.00108	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 20:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 20:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 20:46*	*EPA 8021B*	
Xylenes (total)	ND	0.00108	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 20:46	EPA 8021B	
Total BTEX	ND	0.00108	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 20:46	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.9	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 06:38	TPH 8015M	
>C12-C28	ND	26.9	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 06:38	TPH 8015M	
>C28-C35	ND	26.9	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 06:38	TPH 8015M	
Surrogate: 1-Chlorooctane		*81.5 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 06:38*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 06:38*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.9	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 06:38	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**119**	1.08	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 02:06	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Test Trench-2 Center @ 4'

3I06014-24 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:10	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:10	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:10	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:10	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene	*107 %*		*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 21:10*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene	*101 %*		*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 21:10*	*EPA 8021B*	
Xylenes (total)	ND	0.00103	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 21:10	EPA 8021B	
Total BTEX	ND	0.00103	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 21:10	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:03	TPH 8015M	
>C12-C28	**67.6**	25.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:03	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:03	TPH 8015M	
Surrogate: 1-Chlorooctane	*81.8 %*		*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 07:03*	*TPH 8015M*	
Surrogate: o-Terphenyl	*114 %*		*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 07:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**67.6**	25.8	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 07:03	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**521**	1.03	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 02:26	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Surface Sample-1 @ 0-2"

3I06014-25 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00111	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:35	EPA 8021B	
Toluene	ND	0.00111	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:35	EPA 8021B	
Ethylbenzene	ND	0.00111	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:35	EPA 8021B	
Xylene (p/m)	ND	0.00222	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:35	EPA 8021B	
Xylene (o)	ND	0.00111	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:35	EPA 8021B	
Surrogate: 1,4-Difluorobenzene	*99.2 %*		*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 21:35*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene	*106 %*		*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 21:35*	*EPA 8021B*	
Xylenes (total)	ND	0.00111	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 21:35	EPA 8021B	
Total BTEX	ND	0.00111	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 21:35	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	27.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:27	TPH 8015M	
>C12-C28	ND	27.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:27	TPH 8015M	
>C28-C35	ND	27.8	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:27	TPH 8015M	
Surrogate: 1-Chlorooctane	*70.1 %*		*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 07:27*	*TPH 8015M*	
Surrogate: o-Terphenyl	*97.1 %*		*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 07:27*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	27.8	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 07:27	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.93**	1.11	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 02:47	EPA 300.0	
% Moisture	**10.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Surface Sample-2 @ 0-2"

3I06014-26 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00115	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:59	EPA 8021B	
Toluene	ND	0.00115	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:59	EPA 8021B	
Ethylbenzene	ND	0.00115	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:59	EPA 8021B	
Xylene (p/m)	ND	0.00230	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:59	EPA 8021B	
Xylene (o)	ND	0.00115	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 21:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 21:59*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 21:59*	*EPA 8021B*	
Xylenes (total)	ND	0.00115	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 21:59	EPA 8021B	
Total BTEX	ND	0.00115	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 21:59	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.7	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:52	TPH 8015M	
>C12-C28	ND	28.7	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:52	TPH 8015M	
>C28-C35	ND	28.7	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 07:52	TPH 8015M	
Surrogate: 1-Chlorooctane		*86.7 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 07:52*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 07:52*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.7	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 07:52	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.98**	1.15	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 03:07	EPA 300.0	
% Moisture	**13.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Surface Sample-3 @ 0-2"

3I06014-27 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Reporting Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00114	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:23	EPA 8021B	
Toluene	ND	0.00114	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:23	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:23	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:23	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P3I0711	09/07/23 16:29	09/07/23 22:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 22:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P3I0711*	*09/07/23 16:29*	*09/07/23 22:23*	*EPA 8021B*	
Xylenes (total)	ND	0.00114	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 22:23	EPA 8021B	
Total BTEX	ND	0.00114	mg/kg dry	1	[CALC]	09/07/23 16:29	09/07/23 22:23	EPA 8021B	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.4	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 08:17	TPH 8015M	
>C12-C28	ND	28.4	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 08:17	TPH 8015M	
>C28-C35	ND	28.4	mg/kg dry	1	P3I0707	09/07/23 14:00	09/08/23 08:17	TPH 8015M	
Surrogate: 1-Chlorooctane		*79.2 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 08:17*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P3I0707*	*09/07/23 14:00*	*09/08/23 08:17*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	28.4	mg/kg dry	1	[CALC]	09/07/23 14:00	09/08/23 08:17	calc	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**17.8**	1.14	mg/kg dry	1	P3I0710	09/07/23 15:56	09/08/23 03:28	EPA 300.0	
% Moisture	**12.0**	0.1	%	1	P3I0701	09/07/23 08:25	09/07/23 08:28	ASTM D2216	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0609 - * DEFAULT PREP *** **										
Calibration Check (P3I0609-CCV3)				Prepared: 09/06/23 Analyzed: 09/07/23						
Benzene	0.108	0.00100	mg/kg	0.100		108	80-120			
Toluene	0.0979	0.00100	"	0.100		97.9	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.203	0.00200	"	0.200		101	80-120			
Xylene (o)	0.0986	0.00100	"	0.100		98.6	80-120			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*106*	*75-125*			
Matrix Spike (P3I0609-MS1)		**Source: 3I06014-20**		Prepared: 09/06/23 Analyzed: 09/07/23						
Benzene	0.0766	0.00103	mg/kg dry	0.103	ND	74.3	80-120			QM-05
Toluene	0.0562	0.00103	"	0.103	ND	54.5	80-120			QM-05
Ethylbenzene	0.0485	0.00103	"	0.103	ND	47.0	80-120			QM-05
Xylene (p/m)	0.0915	0.00206	"	0.206	ND	44.4	80-120			QM-05
Xylene (o)	0.0419	0.00103	"	0.103	ND	40.6	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.124*		*107*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		*"*	*0.124*		*100*	*80-120*			
Matrix Spike Dup (P3I0609-MSD1)		**Source: 3I06014-20**		Prepared: 09/06/23 Analyzed: 09/07/23						
Benzene	0.0892	0.00103	mg/kg dry	0.103	ND	86.6	80-120	15.3	20	
Toluene	0.0718	0.00103	"	0.103	ND	69.6	80-120	24.3	20	QM-05
Ethylbenzene	0.0708	0.00103	"	0.103	ND	68.6	80-120	37.4	20	QM-05
Xylene (p/m)	0.135	0.00206	"	0.206	ND	65.3	80-120	38.2	20	QM-05
Xylene (o)	0.0615	0.00103	"	0.103	ND	59.6	80-120	37.9	20	QM-05
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.124*		*106*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.124*		*99.5*	*80-120*			
Batch P3I0711 - * DEFAULT PREP *** **										
Blank (P3I0711-BLK1)				Prepared & Analyzed: 09/07/23						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.120*		*105*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0711 - * DEFAULT PREP *** **										
LCS (P3I0711-BS1)				Prepared & Analyzed: 09/07/23						
Benzene	0.0957	0.00100	mg/kg	0.100		95.7	80-120			
Toluene	0.0843	0.00100	"	0.100		84.3	80-120			
Ethylbenzene	0.0926	0.00100	"	0.100		92.6	80-120			
Xylene (p/m)	0.177	0.00200	"	0.200		88.5	80-120			
Xylene (o)	0.0811	0.00100	"	0.100		81.1	80-120			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
LCS Dup (P3I0711-BSD1)				Prepared & Analyzed: 09/07/23						
Benzene	0.112	0.00100	mg/kg	0.100		112	80-120	15.3	20	
Toluene	0.0980	0.00100	"	0.100		98.0	80-120	15.0	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120	15.3	20	
Xylene (p/m)	0.207	0.00200	"	0.200		103	80-120	15.6	20	
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120	14.5	20	
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*98.8*	*80-120*			
Calibration Blank (P3I0711-CCB1)				Prepared & Analyzed: 09/07/23						
Benzene	0.290		ug/kg							
Toluene	0.330		"							
Ethylbenzene	0.460		"							
Xylene (p/m)	0.380		"							
Xylene (o)	0.150		"							
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*80-120*			
Calibration Check (P3I0711-CCV1)				Prepared & Analyzed: 09/07/23						
Benzene	0.104	0.00100	mg/kg	0.100		104	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.106	0.00100	"	0.100		106	80-120			
Xylene (p/m)	0.218	0.00200	"	0.200		109	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.138*		"	*0.120*		*115*	*75-125*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0711 - * DEFAULT PREP *** **										
Calibration Check (P3I0711-CCV2)				Prepared: 09/07/23 Analyzed: 09/08/23						
Benzene	0.102	0.00100	mg/kg	0.100		102	80-120			
Toluene	0.0942	0.00100	"	0.100		94.2	80-120			
Ethylbenzene	0.0967	0.00100	"	0.100		96.7	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.6	80-120			
Xylene (o)	0.0953	0.00100	"	0.100		95.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		*"*	*0.120*		*101*	*75-125*			
Matrix Spike (P3I0711-MS1)		**Source: 3I06019-02**		Prepared & Analyzed: 09/07/23						
Benzene	0.0792	0.00101	mg/kg dry	0.101	ND	78.4	80-120			QM-05
Toluene	0.0631	0.00101	"	0.101	ND	62.4	80-120			QM-05
Ethylbenzene	0.0645	0.00101	"	0.101	ND	63.9	80-120			QM-05
Xylene (p/m)	0.125	0.00202	"	0.202	ND	61.8	80-120			QM-05
Xylene (o)	0.0578	0.00101	"	0.101	ND	57.2	80-120			QM-05
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.121*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.121*		*101*	*80-120*			
Matrix Spike Dup (P3I0711-MSD1)		**Source: 3I06019-02**		Prepared & Analyzed: 09/07/23						
Benzene	0.0964	0.00101	mg/kg dry	0.101	ND	95.4	80-120	19.6	20	
Toluene	0.0812	0.00101	"	0.101	ND	80.4	80-120	25.2	20	QM-05
Ethylbenzene	0.0846	0.00101	"	0.101	ND	83.8	80-120	27.0	20	QM-05
Xylene (p/m)	0.161	0.00202	"	0.202	ND	79.8	80-120	25.4	20	QM-05
Xylene (o)	0.0747	0.00101	"	0.101	ND	73.9	80-120	25.5	20	QM-05
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.121*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.121*		*104*	*80-120*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0706 - TX 1005										
Blank (P3I0706-BLK1)				Prepared & Analyzed: 09/07/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*76.1*		*"*	*100*		*76.1*	*70-130*			
Surrogate: o-Terphenyl	*46.5*		*"*	*50.0*		*93.0*	*70-130*			
LCS (P3I0706-BS1)				Prepared & Analyzed: 09/07/23						
C6-C12	867	25.0	mg/kg	1000		86.7	75-125			
>C12-C28	932	25.0	"	1000		93.2	75-125			
Surrogate: 1-Chlorooctane	*97.4*		*"*	*100*		*97.4*	*70-130*			
Surrogate: o-Terphenyl	*46.1*		*"*	*50.0*		*92.3*	*70-130*			
LCS Dup (P3I0706-BSD1)				Prepared & Analyzed: 09/07/23						
C6-C12	902	25.0	mg/kg	1000		90.2	75-125	3.91	20	
>C12-C28	947	25.0	"	1000		94.7	75-125	1.64	20	
Surrogate: 1-Chlorooctane	*103*		*"*	*100*		*103*	*70-130*			
Surrogate: o-Terphenyl	*52.2*		*"*	*50.0*		*104*	*70-130*			
Calibration Check (P3I0706-CCV1)				Prepared & Analyzed: 09/07/23						
C6-C12	540	25.0	mg/kg	500		108	85-115			
>C12-C28	544	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*58.2*		*"*	*50.0*		*116*	*70-130*			
Calibration Check (P3I0706-CCV2)				Prepared & Analyzed: 09/07/23						
C6-C12	521	25.0	mg/kg	500		104	85-115			
>C12-C28	538	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*54.7*		*"*	*50.0*		*109*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0706 - TX 1005										
Duplicate (P3I0706-DUP1)	**Source: 3I06014-20**			Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	14.0	25.8	mg/kg dry		11.8			17.2	20	
>C12-C28	12.4	25.8	"		11.1			11.3	20	
Surrogate: 1-Chlorooctane	*89.2*		*"*	*103*		*86.5*	*70-130*			
Surrogate: o-Terphenyl	*53.5*		*"*	*51.5*		*104*	*70-130*			
Batch P3I0707 - TX 1005										
Blank (P3I0707-BLK1)				Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	ND	25.0	mg/kg							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*81.3*		*"*	*100*		*81.3*	*70-130*			
Surrogate: o-Terphenyl	*53.1*		*"*	*50.0*		*106*	*70-130*			
LCS (P3I0707-BS1)				Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	896	25.0	mg/kg	1000		89.6	75-125			
>C12-C28	1050	25.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*55.4*		*"*	*50.0*		*111*	*70-130*			
LCS Dup (P3I0707-BSD1)				Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	878	25.0	mg/kg	1000		87.8	75-125	2.09	20	
>C12-C28	1010	25.0	"	1000		101	75-125	3.73	20	
Surrogate: 1-Chlorooctane	*100*		*"*	*100*		*100*	*70-130*			
Surrogate: o-Terphenyl	*54.6*		*"*	*50.0*		*109*	*70-130*			
Calibration Check (P3I0707-CCV1)				Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	480	25.0	mg/kg	500		96.0	85-115			
>C12-C28	543	25.0	"	500		109	85-115			
Surrogate: 1-Chlorooctane	*96.4*		*"*	*100*		*96.4*	*70-130*			
Surrogate: o-Terphenyl	*58.5*		*"*	*50.0*		*117*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0707 - TX 1005										
Calibration Check (P3I0707-CCV2)				Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	479	25.0	mg/kg	500		95.8	85-115			
>C12-C28	539	25.0	"	500		108	85-115			
Surrogate: 1-Chlorooctane	*96.1*		*"*	*100*		*96.1*	*70-130*			
Surrogate: o-Terphenyl	*57.6*		*"*	*50.0*		*115*	*70-130*			
Calibration Check (P3I0707-CCV3)				Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	433	25.0	mg/kg	500		86.7	85-115			
>C12-C28	489	25.0	"	500		97.8	85-115			
Surrogate: 1-Chlorooctane	*85.0*		*"*	*100*		*85.0*	*70-130*			
Surrogate: o-Terphenyl	*51.6*		*"*	*50.0*		*103*	*70-130*			
Duplicate (P3I0707-DUP1)		**Source: 3I06021-13**		Prepared: 09/07/23 Analyzed: 09/08/23						
C6-C12	11.7	25.5	mg/kg dry		11.7			0.0873	20	
>C12-C28	ND	25.5	"		ND				20	
Surrogate: 1-Chlorooctane	*78.2*		*"*	*102*		*76.6*	*70-130*			
Surrogate: o-Terphenyl	*51.3*		*"*	*51.0*		*100*	*70-130*			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0701 - * DEFAULT PREP *** **										
Blank (P3I0701-BLK1)				Prepared & Analyzed: 09/07/23						
% Moisture	ND	0.1	%							
Blank (P3I0701-BLK2)				Prepared & Analyzed: 09/07/23						
% Moisture	ND	0.1	%							
Blank (P3I0701-BLK3)				Prepared & Analyzed: 09/07/23						
% Moisture	ND	0.1	%							
Duplicate (P3I0701-DUP1)		**Source: 3I06009-08**		Prepared & Analyzed: 09/07/23						
% Moisture	19.0	0.1	%		17.0			11.1	20	
Duplicate (P3I0701-DUP2)		**Source: 3I06012-02**		Prepared & Analyzed: 09/07/23						
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P3I0701-DUP3)		**Source: 3I06014-04**		Prepared & Analyzed: 09/07/23						
% Moisture	5.0	0.1	%		5.0			0.00	20	
Duplicate (P3I0701-DUP4)		**Source: 3I06014-14**		Prepared & Analyzed: 09/07/23						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P3I0701-DUP5)		**Source: 3I06017-02**		Prepared & Analyzed: 09/07/23						
% Moisture	12.0	0.1	%		11.0			8.70	20	
Duplicate (P3I0701-DUP6)		**Source: 3I06018-08**		Prepared & Analyzed: 09/07/23						
% Moisture	4.0	0.1	%		3.0			28.6	20	R3
Batch P3I0709 - * DEFAULT PREP *** **										
Blank (P3I0709-BLK1)				Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	ND	1.00	mg/kg							

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0709 - * DEFAULT PREP *** **										
LCS (P3I0709-BS1)				Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	18.5		mg/kg	20.0		92.5	90-110			
Calibration Check (P3I0709-CCV1)				Prepared & Analyzed: 09/07/23						
Chloride	18.3		mg/kg	20.0		91.4	90-110			
Calibration Check (P3I0709-CCV3)				Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	19.9		mg/kg	20.0		99.4	90-110			
Matrix Spike (P3I0709-MS1)		**Source: 3I06011-03**		Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	136		mg/kg	100	41.2	94.6	80-120			
Matrix Spike (P3I0709-MS2)		**Source: 3I06014-07**		Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	93.7		mg/kg	100	3.77	90.0	80-120			
Matrix Spike Dup (P3I0709-MSD1)		**Source: 3I06011-03**		Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	136		mg/kg	100	41.2	94.5	80-120	0.0501	20	
Matrix Spike Dup (P3I0709-MSD2)		**Source: 3I06014-07**		Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	96.0		mg/kg	100	3.77	92.2	80-120	2.41	20	
Batch P3I0710 - * DEFAULT PREP *** **										
Blank (P3I0710-BLK1)				Prepared & Analyzed: 09/07/23						
Chloride	ND	1.00	mg/kg							
LCS (P3I0710-BS1)				Prepared & Analyzed: 09/07/23						
Chloride	20.8		mg/kg	20.0		104	90-110			

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I0710 - * DEFAULT PREP *** **										
LCS Dup (P3I0710-BSD1)				Prepared & Analyzed: 09/07/23						
Chloride	20.9		mg/kg	20.0		104	90-110	0.489	10	
Calibration Check (P3I0710-CCV1)				Prepared & Analyzed: 09/07/23						
Chloride	20.2		mg/kg	20.0		101	90-110			
Calibration Check (P3I0710-CCV2)				Prepared & Analyzed: 09/07/23						
Chloride	20.6		mg/kg	20.0		103	90-110			
Calibration Check (P3I0710-CCV3)				Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	20.4		mg/kg	20.0		102	90-110			
Matrix Spike (P3I0710-MS1)		**Source: 3I06014-08**		Prepared & Analyzed: 09/07/23						
Chloride	115		mg/kg	100	2.60	112	80-120			
Matrix Spike (P3I0710-MS2)		**Source: 3I06014-18**		Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	120		mg/kg	100	10.4	109	80-120			
Matrix Spike Dup (P3I0710-MSD1)		**Source: 3I06014-08**		Prepared & Analyzed: 09/07/23						
Chloride	115		mg/kg	100	2.60	112	80-120	0.0505	20	
Matrix Spike Dup (P3I0710-MSD2)		**Source: 3I06014-18**		Prepared: 09/07/23 Analyzed: 09/08/23						
Chloride	119		mg/kg	100	10.4	109	80-120	0.355	20	

E Tech Environmental & Safety Solutions, Inc. [1]	Project: Hudgens #001
13000 West County Road 100	Project Number: 15313
Odessa TX, 79765	Project Manager: Blake Estep

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/12/2024

Brent Barron, Laboratory Director/Technical Director

E Tech Environmental & Safety Solutions, Inc. [1]	Project:	Hudgens #001
13000 West County Road 100	Project Number:	15313
Odessa TX, 79765	Project Manager:	Blake Estep

PBELAB Permian Basin Environmental Lab, LP

1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Blake Estep
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature: _____ email: _blake@etechenv.com

Project Name: Hudgens #001
Project #: 15313 Project Loc:
Area: PO#: 15313

☑ Bill Etech

Report Format: STANDARD:☐ TRRP:☐ NPDES:☐

(lab use only)
ORDER #: 3IC060014

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: ☐ TOTAL: ☐ TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT(Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
1	Test Trench - 1 North		6"	8-31-23	9:30	1	X								S			X							X			X		X
2	Test Trench - 1 North		4'		11:55	1	X								S															
3	Test Trench - 1 South		6"		9:10	1	X								S															
4	Test Trench - 1 South		4'		11:50	1	X								S															
5	Test Trench - 1 East		6"		9:20	1	X								S															
6	Test Trench - 1 East		4'		12:10	1	X								S															
7	Test Trench - 1 West		6"		9:15	1	X								S															
8	Test Trench - 1 West		4'		12:00	1	X								S															
9	Test Trench - 1 Center		6"		9:00	1	X								S															
10	Test Trench - 1 Center		4'		11:45	1	X								S															
11	Surface Sample - 1	0	2"		8:00	1	X								S															
12	Surface Sample - 2	0	2"		8:15	1	X								S															
13	Surface Sample - 3	0	2"		8:20	1	X								S															
14	Surface Sample - 4	0	2"		8:23	1	X								S															

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
			Raia M	9/6/23	11:10

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
Sar by Sampler/Client Rep. ?	Y	N

Sar by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 11.0 CF 0.3

PBELAB Permian Basin Environmental Lab, LP

1400 Rankin Hwy Midland Texas 79701 Phone: 432-686-7235

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Blake Estep
Company Name: Etech Environmental & Safety Solutions, Inc.
Company Address: P.O. Box 62228
City/State/Zip: Midland, Texas 79711
Sampler Signature: _____ email: _blake@etechenv.com

Project Name: Hudgens #001
Project #: 15312 Project Loc:
Area: PO#: 15312
☒ Bill Etech

Report Format: STANDARD:☐ TRRP:☐ NPDES:☐

(lab use only) ORDER #: 31C0014

LAB # (lab use only)	FIELD CODE	Start Depth	End Depth	Date Sampled	Time Sampled	No. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-PotableSpecify Other	Analyze For: TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semi volatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	Chlorides	RUSH TAT(Pre-Schedule) 24, 48, 72 hrs	STANDARD TAT
15	Test Trench -2 North		6"	8.31.23	10:05	1	X										5	X							X			X		X
16	Test Trench - 2 North		4'		12:25																									
17	Test Trench - 2 South		6"		10:25																									
18	Test Trench -2 South		4'		12:20																									
19	Test Trench -2 East		6"		10:10																									
20	Test Trench -2 East		4'		12:30																									
21	Test Trench - 2 West		6"		10:20																									
22	Test Trench - 2 West		4'		12:35																									
23	Test Trench -2 Center		6"		10:00																									
24	Test Trench - 2 Center		4'		12:15																									
25	Surface Sample 1	0	2"		11:20																									
26	Surface Sample 2	0	2"		10:30																									
27	Surface Sample 3	0	2"		11:40																									

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	9/6/23	11:10

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered	Y	N
Sar by Sampler/Client Rep. ?	Y	N

Sar by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 11.0 CF 13 °C

Gmail

Sara Gotcher <sara@pbelab.com>

Hudgens #001 (09.08.2023) - Lab Report

1 message

Ashton Thielke <ThielkeA@carmonaresources.com> Tue, Jun 11, 2024 at 8:55 PM
To: "BrentBarron@pbelab.com" <BrentBarron@pbelab.com>, "Sara@pbelab.com" <Sara@pbelab.com>
Cc: "Barnhill, Amy" <ABarnhill@chevron.com>

Good evening Brent & Sara,

I was wondering if you could do us a favor and send over the lab report for this site that also includes the COC.

The NMOCD is currently reviewing the closure report for this site and is requesting the lab report to include the COC for this sampling event to be included in the report.

Let myself or Amy Barnhill know if you have any questions.

Thanks!

Ashton Thielke

Senior Project Manager

310 West Wall Street, Suite 500

Midland TX, 79701

M: 432-813-8988 C: 281-753-5659

ThielkeA@carmonaresources.com

Environmental Consulting Firm - Carmona Resources

CARMONA RESOURCES

3I06014 PBELSummary RECREATE 09 08 23 1736.pdf
109K

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 357594

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 357594
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nCOH0807129681**
Incident Name	**NCOH0807129681 HUDGENS #001 @ 30-025-29712**
Incident Type	**Oil Release**
Incident Status	**Re-vegetation Report Received**
Incident Well	**[30-025-29712] HUDGENS #001**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HUDGENS #001
Date Release Discovered	02/04/2008
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: | Other (Specify) | Crude Oil | Released: 5 BBL | Recovered: 2 BBL | Lost: 3 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 357594
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 06/26/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 357594
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 500 and 1000 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	7400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	02/12/2012
On what date will (or did) the final sampling or liner inspection occur	08/31/2023
On what date will (or was) the remediation complete(d)	08/31/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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1625 N. French Dr., Hobbs, NM 88240
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Phone:(505) 334-6178 Fax:(505) 334-6170
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1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 357594
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	"Recent assessment samples did not exceed reclamation standards set in NMAC 19.15.29.13. Vegetation onsite shows great regrowth. Natural attenuation and reclamation activities in 2012 (during P/A activities) removed all impact onsite"
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	

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.

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 06/26/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 357594
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 357594
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**309508**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**08/31/2023**
What was the (estimated) number of samples that were to be gathered	**14**
What was the sampling surface area in square feet	**12500**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	90000
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	"Recent assessment samples did not exceed reclamation standards set in NMAC 19.15.29.13. Vegetation onsite shows great regrowth. Natural attenuation and reclamation activities in 2012 (during P/A activities) removed all impact onsite"

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

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I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 06/26/2024

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QUESTIONS (continued)

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	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	90000
What was the total volume of replacement material (in cubic yards) for this site	0
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	02/03/2012
Summarize any additional reclamation activities not included by answers (above)	Well pad was reclaimed on February 3, 2012. Native seed mix was planted after well pad was returned to natural habitat. Please see photolog in report for documentation of vegetation regrowth.
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 06/26/2024

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QUESTIONS (continued)

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	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	Yes
What was the total revegetation surface area (in square feet) for this site	90000
Per Paragraph (2) of Subsection D of 19.15.29.13 NMAC the responsible party must reseed disturbed area in the first favorable growing season following closure of the site.	
On what date did the reseeding commence	02/03/2012
On what date was the vegetative cover inspected	01/05/2022
What was the life form ratio compared to pre-disturbance levels	85
What was the total percent plant cover compared to pre-disturbance levels	85
Summarize any additional revegetation activities not included by answers (above)	"Upon inspection and assessment (see photolog), plant life has regrown exceptionally. Besides wellhead monument, hard to tell that a well pad was ever here."
The responsible party must attach information demonstrating they have complied with all applicable re-vegetation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any life form ratio and percent plant cover sampling diagrams or other relevant field notes, photographs of re-vegetated areas, and a narrative of the re-vegetation activities. Refer to 19.15.29.13 NMAC.	

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Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.

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CONDITIONS

Action 357594

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
bhall	None	7/2/2024