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

)

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Incident ID	NAPP2213229527
District RP	2
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Application ID	

Release Notification

Responsible Party

Responsible Party	LH Operating, LLC	OGRID 326271
Contact Name	Mike Burton	Contact Telephone 575-499-5306
Contact email	Mike@lhoperating.com	Incident # (assigned by OCD)
Contact mailing address 4809 Cole AVE #106 Dallas, TX 75205		

Location of Release Source

Latitude 32.847222

(NAD 83 in decimal degrees to 5 decimal places)

Site Name H E West B 34	Site Type _{Oil}
Date Release Discovered 5-9-2022	API# (<i>if applicable</i>) 30-015-25989

Unit Letter	Section	Township	Range	County	
Ι	10	17S	31E	Eddy	

Surface Owner: State X 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)

x Crude Oil	Volume Released (bbls)	Volume Recovered (bbls) 0
x Produced Water	Volume Released (bbls) 19	Volume Recovered (bbls) 0
	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 Palaasa		

Cause of Release

Injection line valve was opened onto location.

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Oil Conservation Division

Incident ID	NAPP2213229527
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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes X No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

 \mathbf{X} The source of the release has been stopped.

 \mathbf{x} The impacted area has been secured to protect human health and the environment.

x Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

X 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:Mike Burton	Title:
Signature: Michael Burton	Date: <u>5/10/2022</u>
email:mike@lhoperating.com	Telephone:575-499-5306
OCD Only	
Received by:	Date:

Received by OCD: 12/1/2022 1:28:41 PM Form C-141 State of New Mexico

Oil Conservation Division

	Page 3 of 9
Incident ID	NAPP2213229527
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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?			
Did this release impact groundwater or surface water?			
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 X 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 X No		
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🕱 No		
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🗴 No		

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

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

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

Laboratory data including chain of custody

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

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Received by OCD: 12/1/2022 1:28 Form C-141 Page 4	^{:41 PM} State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	Page 4 of 99 NAPP2213229527 2
regulations all operators are required public health or the environment. The failed to adequately investigate and r	given above is true and complete to the b to report and/or file certain release notif he acceptance of a C-141 report by the O remediate contamination that pose a threa l report does not relieve the operator of r	fications and perform co CD does not relieve the at to groundwater, surfac	rrective actions for relea operator of liability sho ce water, human health	ases which may endanger ould their operations have or the environment. In
Printed Name: <u>Mike Burton</u>		Title:		
Signature: Michael But	rton	Date: <u>5-10-2022</u>		
email: <u>mike@lhoperating.com</u>		Telephone:575-499	9-5306	
OCD Only				
Received by:		Date:		

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	NAPP2213229527
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Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Mike Burton Title: Signature: Michael Burton Date: 5-10-2022 email: mike@lhoperating.com Telephone: 575-499-5306 OCD Only Received by: Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

Incident ID	NAPP2213229527
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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: Telephone: email:

OCD Only

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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:

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Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Incident ID	NAPP2213229527
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Application ID	

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Mike Burton Title: Signature: Michael Burton Date: 5-10-2022 Telephone: 575-499-5306 email: mike@lhoperating.com OCD Only Robert Hamlet Date: 3/3/2023Received by: Approved X Approved with Attached Conditions of Approval Denied Deferral Approved Robert Hamlet. 3/3/2023 Signature: Date:

Proposed Remediation Plan

LH Operating H E West B 34 Eddy County, New Mexico Latitude 32.847222 North, Longitude 103.851226 West Unit Letter "I", Section 10, Township 17 South, Range 31 East NMOCD Incident # nAPP2213229527

Prepared By:

T Squared Energy Environmental Services 6014 East County Rd 73 Midland, Tx 79705

Levels incluy

Lindsey Nevels Environmental Director Lindsey@tsquaredenergy.com



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Attachment I – Site Photographs Attachment II – Depth to Groundwater Attachment III – Field Data Attachment IV – Laboratory Analytical Reports Attachment V – NMOCD Form C-141 Remediation Pages



June 08, 2022

New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

Hobbs Field Office New Mexico State Land Office 2827 North Dal Paso Street Hobbs, NM 88240

LH Operating, LLC 4809 Cole Ave #106 Dallas, TX 75205

RE: Remediation Work Plan LH Operating, LLC

> Latitude 32.847222 North, Longitude 103.851226 West Unit Letter "I", Section 10, Township 17 South, Range 31 East Eddy County, New Mexico NMOCD Incident # nAPP2213229527

T Squared Environmental Services, on behalf of LH Operating LLC, submits this *Proposed Remediation Work Plan* to the New Mexico Oil Conservation Division (NMOCD). This Report provides documentation of detailed sampling and proposed remedial actions to address the H E West B 34 release. This report serves as a condensed update on field activities undertaken at the afore referenced Site.



Project Information

The site is in Unit Letter I (NE/SE), Section 10, Township 17 South, Range 31 East. The spill area measures approximately 2,400 sq. ft. and is approximately 10 miles east of Loco Hills, New Mexico on Federal Land. Site Map included, respectively. Latitude 32.847222 North, Longitude 103.851226

1.0 Background

On May 9, 2022, a release was discovered on an active well pad: H E West B34. The release was attributed to an injection line valve left opened releasing approximately 19 BBLS of produced water and 1 bbl. of oil with zero (0) recovered.

Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. Remediation pages of the NMOCD Form C-141 are included as Attachment V. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map, Delineation Map, are included as Figure 1, Figure 2, Figure 3, and Figure 4, respectively.

2.0 NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed to determine the horizontal distance to known water sources within a half-mile radius of the Release Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Estimated depth to groundwater is approximately 300' Bgs. Depth to groundwater information is provided as Attachment II and the results are depicted on Figures 1,2, and 3.

Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows. Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), if a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater.



LH Operating H E West B34 Closure Standard: <50' 600 mg/kg: 100 mg/kg	YES	No
What is the shallowest depth to groundwater beneath the area affected by the release? >100' BGS		
Did the release impact groundwater or surface water?		\checkmark
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?		✓
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?		\checkmark
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?		\checkmark
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?		~
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?		✓
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?		~
Are the lateral extents of the release within 300 feet of a wetland?		\checkmark
Are the lateral extents of the release overlying a subsurface mine?		\checkmark
Are the lateral extents of the release overlying an unstable area such as karst geology?		✓
Are the lateral extents of the release within a 100-year floodplain?		\checkmark
Did the release impact areas not on an exploration, development, production or storage site?		√

Table 1

Closure Criteria for Soil Impacted by a Release									
Probable Depth to Groundwater	Constituent	Method	Limit						
	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg						
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2500 mg/kg						
300'	DRO + GRO	EPA SW-846 Method 8015M	N/A mg/kg						
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg						
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg						

* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D. (1) NMAC.



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3.0 Delineation Activities

On May 23, 2022, T Squared Environmental, conducted an initial site assessment. During the initial assessment, a series of mechanical soil bores were advanced within the release margins to determine the vertical extent of impacted soil. In addition, sample test trenches were advanced along the inferred edges of the affected area to determine the horizontal extent of contamination. During the advancement of the soil bores and test trenches, soil samples were collected, and field screened for the presence of volatile organic compounds via a photoionization detector (PID) and chloride concentrations utilizing a Hach Quan tab[®] chloride test kit.

Based on field observations and field test data, T Squared Environmental Services collected (22) twenty-two representative soil samples for laboratory analysis. Delineation soil samples represented by SP1 - SP4 and HZ1-HZ7 were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH or chloride concentrations were below the applicable NMOCD Closure Criteria and/or the NMOCD Reclamation Standard with the exception of SP1-Surf, SP2-Surf, SP3-5, SP4-Surf, and HZ3-1'. Based on soil sample analysis and PID readings, the site appears to be delineated both vertically and horizontally apart from HZ3.

A delineation Sample Location Map is provided as Figure 4. A summary of Soil Sample Laboratory Analytical Results is provided as Table 2, and Laboratory Analytical Reports are provided as Attachment IV.



4.0 PROPOSED ACTIONS

Based on the initial site assessment, and laboratory analytical results made during the initial site assessment, LH Operating respectfully proposes the following remediation activities in order to advance the site toward an approved closure:

- All visible staining will be removed and hauled to a state approved disposal facility.
- Horizontal delineation of the impacted area will be addressed during the remediation activities.
- Areas represented by SP1 & SP4, excavate approximately 2' Bgs or until or until laboratory confirmation results show Chloride, TPH, and BTEX are under the NMOCD Closure Criteria
- Area represented by SP2 & SP3 excavate approximately 3'-4'Bgs. Bgs or until or until laboratory confirmation results show Chloride, TPH, and BTEX are under the NMOCD Closure Criteria
- GPS time stamped photographs of excavation activities.
- After excavation, confirmation bottom hole and sidewall samples will be collected representing every 200sq.ft and sent to a lab and tested for TPH, BTEX and Chloride. All final confirmation analytical results and remediation activities will be documented in the *Request for Closure Report* submitted after final remediation activities are complete.
- Excavated soil will be transported for disposal to an NMOCD permitted disposal facility.
- Backfill will be sourced from native like material, clean soil, sourced locally from nearby area, approved BLM location.
- All areas will then be reseeded in the appropriate season with a BLM approved seed mix
- A *Request for Closure Report* will be submitted detailing all remediation activities conducted in accordance with the NMOCD.

5.0 Sampling Plan:

Upon completion of excavation activities, confirmation five-point composite soil samples will be collected from the floor and sidewalls of the excavated area representing every 200 square feet.



Estimated Timeline and Remediation Soil Volume:

Proposed estimated excavation volume: *Approximately 210 cubic yards* Remediation activities are expected to be completed within 90 days of receiving necessary approval of this *Remediation Work Plan*.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the excavated areas will be backfilled with locally sourced clean, non-impacted "like" material placed at or near relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability, and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

Limitations:

T Squared Energy Environmental Services has prepared this *Site Assessment and Proposed Remediation Request to* the best of its ability. No other warranty, expressed or implied, is made or intended. T Squared has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. T Squared has not conducted an independent examination of the facts contained in referenced materials and statements. T Squared has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. T Squared notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report. HMSS has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants.

This report has been prepared for the benefit of LH Operating LLC. Use of the information contained in this report is prohibited with consent of T Squared Energy and/or LH Operating, LLC.



T Squared Energy Environmental

Distribution:

LH Operating LLC

4809 Cole Ave #106 Dallas, TX 75205

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

Hobbs Field Office

New Mexico State Land Office 2827 North Dal Paso Street Hobbs, NM 88240



Figures



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Eddy County New Mexico

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Table



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TABLE 1 Summary of Soil Sample Laboratory Analytical Results H E West B4

NMOCD Incident # nAPP2213229527

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SP 1	5/23/22	Surf	In-Situ	ND	0.117	ND	12300	12300	ND	12,300	8,560
38.1	5/23/22	4'	In-Situ	ND	ND	ND	92	92.1	ND	92	145
2 0 2	5/23/22	Surf	In-Situ	ND	0.14	ND	12,200	12200	ND	12,200	11,500
SP 2	5/23/22	6'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SP 3	5/23/22	Surf	In-Situ	ND	1.07	26.8	27,900	27927	11400	39,327	9,670
38.2	5/23/22	8'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
SP 4	5/23/22	Surf	In-Situ	0.0789	12.9	133	30,100	30233	11100	41,333	18,000
SP 4	5/23/22	4'	In-Situ	ND	ND	ND	ND	ND	ND	ND	170
	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	516
HZ 1	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	214
	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ 2	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
117.2	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	24
HZ 3	5/23/22	1'	In-Situ	ND	ND	ND	144	144	ND	144	145
117 4	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	33
HZ 4	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ 5	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
ΠΖ 3	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	48
HZ 6	5/23/22	Surf	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
112 0	5/23/22	1'	In-Situ	ND	ND	ND	ND	ND	ND	ND	ND
HZ 7	5/23/22	Surf	In-Situ	ND	ND	ND	80	ND	ND	ND	41
112 /	5/23/22	1'	In-Situ	ND	ND	ND	37.7	ND	ND	ND	91
HZ3 B		Surf	In-Situ								
		1'	In-Situ								

Attachment I Site Photographs



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Attachment II Depth to Groundwater



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

		(quarters are 1=NW 2=NE 3= (quarters are smallest to larg		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64 Q16 Q4 Sec Tw	s Rng	X Y	
	LWD 03233 POD1	1 4 16 17	S 31E	605524 3633307* 😜	
Driller Lic	cense:	Driller Company:			
Driller Na	me:				
Drill Start	Date:	Drill Finish Date:		Plug Date:	
Log File D	Pate:	PCW Rcv Date:		Source:	
Ритр Тур	e:	Pipe Discharge Size:		Estimated Yield:	
Casing Size:		Depth Well:		Depth Water:	

*UTM location was derived from PLSS - see Help

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

5/31/22 8:56 PM

POINT OF DIVERSION SUMMARY

							v	State En mma	0	
get image list		irpose: atus: s: rsion: Owner:		ON 72-12 ECLARA 5 R MAR	2-1 LIVEST TION Subfi Cause FIN INC		TERING	oss Reference:	LWD-RA-319 Header: -	
A	x	c File/Ac	:t	Status 1 2	Transactio		Fron To T		Diversion Const	ımptive
POD N	x bints of Diver Xumber 03233 POD1 *An (*) at	Well	-	1	Q4Sec Tws 4 16 17S cation was der	Rng 31E 6	083 UTM in met X 05524 36333 PLSS - see Help	Y Other 107*	Location Desc	
Priority Su		Priority 12/31/1952	Statu DCL		Acres Diver		Number D 03233 POD1	-		
Place of Us	Q Q 256 64 Q16 0	Q4Sec Tws 4 16 17S	0	.cres D	iversion 6		J se Priority PLS 12/31/195		r Location Desc	
Source The data is furn concerning the	ished by the NM	Acres Div 1 10SE/ISC and eteness, reliab	6 1 is accepted b	P by the recipi	Use Priorit LS 12/31/1 ent with the ex ty for any part	952 SV	lerstanding that		no warranties, express	sed or implie

5/31/22 8:55 PM

WATER RIGHT SUMMARY

•



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)						ALL DOA	(NAD83 UTM in meters)		
Well Tag	POD	Number	••				Tws Rng		(NAD83	<i>,</i>		
wen lag		4207 POD1	3	3	2	01	17S	36E	658500	_		
Driller License: 1456		1456	Drille	r Coi	npa	ny:	WH	HITE DR	ULLING (COMPANY		
Driller Nan	ne:	WHITE, JOHN W										
Drill Start I	Date:	10/07/2016	Drill l	Finisł	1 Da	te:	10	0/12/201	6 P	lug Date:		
Log File Da	te:	12/12/2016	PCW	Rcv]	Date	e:			S	ource:	Shallow	
Ритр Туре	:		Pipe I	Disch	arge	e Size	:		E	Estimated Yield:		
Casing Size	:	4.00	Depth	Wel	l:		24	40 feet	Ľ	Depth Water:	100 feet	
(Wate	er Bearing Stratifica	tions:		Та	op B	ottom	Descr	iption			
X	Wata	r Boaring Stratifica	tions		Т	n B	ottom	Deser	intion			
x	Wate	r Bearing Stratifica	tions:			эр В 50	ottom	Descr Sands	-	el/Conglomerate		
ĸ	Wate	r Bearing Stratifica	tions:		e	-		Sands	tone/Grav	el/Conglomerate el/Conglomerate		
x	Wate	r Bearing Stratifica	tions:		6 11	50	110	Sands Sands	tone/Grav tone/Grav	•		
¢	Wate	r Bearing Stratifica	tions:		6 11 11	50 10	110 112) Sands Sands / Sands	tone/Grave tone/Grave tone/Grave	el/Conglomerate		
x	Wate	r Bearing Stratifica	tions:		6 11 11 14	50 10 12	110 112 117) Sands Sands / Sands) Sands	tone/Grave tone/Grave tone/Grave tone/Grave	el/Conglomerate el/Conglomerate		
κ	Wate	r Bearing Stratifica	tions:		6 11 11 12 17	50 10 12 40	110 112 117 170	Sands Sands Sands Sands Sands Sands	tone/Grave tone/Grave tone/Grave tone/Grave	el/Conglomerate el/Conglomerate el/Conglomerate		
x	Wate	r Bearing Stratifica	tions:		6 11 12 14 17 19	50 10 12 40 70	110 112 117 170 190	 Sands Sands Sands Sands Sands Sands Sands 	tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave	el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate		
κ	Wate	r Bearing Stratifica	tions:		6 11 12 14 17 19	50 10 12 40 70 90	110 112 117 170 190 200	 Sands Sands Sands Sands Sands Sands Sands Sands Sands 	tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave	el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate		
x	Wate	r Bearing Stratifica	tions:		6 11 12 12 13 20	50 10 12 40 70 90 00 16	110 112 117 170 190 200 216	 Sands 	tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave	el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate		
x	Wate	r Bearing Stratifica	tions:		6 11 12 12 13 20 21 21	50 10 12 40 70 90 00 16	1110 112 117 170 190 200 216 218	 Sands² Sands³ 	tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave	el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate		
ς ς	Wate	r Bearing Stratifica Casing Perfor			 () <	50 10 12 40 70 90 00 16 18 26	1110 112 117 170 190 200 216 218 226	 Sands² Sands³ 	tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave tone/Grave	el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate el/Conglomerate		

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

5/31/22 8:57 PM

POINT OF DIVERSION SUMMARY

New Mexico Office of the State Engineer
Water Right Summary

P	WR File Number:	L 14207	L 14207		L	Cross Reference:	-
	Primary Purpose:	MON	MONITORING	WELL			
<u>get image list</u>	Primary Status:	PMT	PERMIT				
	Total Acres:			Subfile:	-		Header: -
	Total Diversion:	0		Cause/Case	: -		
	Owner:	CHEVE	RON MIDCONTI	NENT LP			
	Contact:	SCOTT	FOORD				

Documents on File

				Sta	itus		From/			
	Trn #	Doc	File/Act	1	2	Transaction Desc.	То	Acres	Diversion	Consumptive
image	<u>s</u> <u>629010</u>	EXPL	2018-07-20	PMT	APR	L 14207 POD5-7	Т	0	0	
image get	<u>629009</u>	EXPL	2018-07-19	PMT	PRC	L 14207 POD8	Т	0	0	
<u>get</u> image	<u>628990</u>	EXPL	2018-07-19	PMT	PRC	L 14207 POD4	Т	0	0	
image	<u>s 593141</u>	EXPL	2016-09-30	PMT	LOG	L-14207 POD1-3	Т	0	0	

Current Points of Diversion

	UII ((NAD83 UTM	in meters)	
			Q								
POD Number	Well Tag	Source	64	Q16	Q4	Sec	Tws	Rng	Х	Y	Other Location Desc
<u>L 14207 POD1</u>		Shallow	3	3	2	01	17S	36E	658500	3637679 🧲) MW-1 LPU-59
<u>L 14207 POD2</u>		Shallow	2	4	1	01	17S	36E	658222	3637712 🧲	LPU-60
<u>L 14207 POD3</u>		Shallow	2	3	3	31	16S	37E	606117	3636977 🧲	LPU-96
<u>L 14207 POD4</u>	NA		4	4	1	01	17S	36E	658239	3637687 🧲	MW-2 (LPU-60)
<u>L 14207 POD5</u>	NA			2	2	01	17S	36E	658596	3638048	MW-14 (WATER PLANT)
<u>L 14207 POD6</u>	NA			1	2	01	17S	36E	658624	3637936 🧲	MW-15 (WATER PLANT)
<u>L 14207 POD7</u>	NA			2	2	01	17S	36E	658438	3638022 🧲	MW-16 (WATER PLANT)
<u>L 14207 POD8</u>	NA		4	3	2	01	17S	36E	658527	3637655 🧲) í

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5/31/22 8:57 PM

WATER RIGHT SUMMARY



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

			× 1				NE 3=S to larges		TM in meters)		
Well Tag	POD	Number	••				Tws	<i>.</i>	X	Y Y	
-	L 14	4207 POD2	2	4	1	01		36E	658222	3637712 🌍	
Driller Licen	ise:	1456	Drille	r Con	npai	ıy:	Wł	HITE D	RILLING C	OMPANY	
Driller Name	e:	WHITE, JOHN W									
Drill Start D	ate:	10/05/2016	Drill I	Finish	n Da	te:	1	0/12/20)16 Pl	ug Date:	
Log File Dat	e:	12/12/2016	PCW	Rev I	Date	:			So	urce:	Shallow
Pump Type:			Pipe I	Discha	arge	Size	:		Es	timated Yield:	
Casing Size:		4.00	Depth	Well	:		2	30 feet	De	epth Water:	101 feet
•	Wate	er Bearing Stratifica	tions:		То	-			cription	Conglomorata	
						8	110			/Conglomerate	
					11 11		112 120			/Conglomerate	
					12		120			/Conglomerate	
					12		150			/Conglomerate	
					15		190			/Conglomerate	
					19		215			/Conglomerate	
					21		216			/Conglomerate	
					21	6	218			/Conglomerate	
					21	8	223	8 Sand	lstone/Grave	/Conglomerate	
					22	3	230) Sand	lstone/Grave	/Conglomerate	
х		Casing Perfor	ations:		То	рE	otton	ı			
					0	0	220	`			

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POINT OF DIVERSION SUMMARY



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

			(quart	ers are	1=N	W 2=1	NE 3=S	W 4=SE)			
			••				o larges	·		(NAD83 UTM in meters)	
Well Tag	POD	Number	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y	
	L 14	4207 POD3	2	3	3	31	16S	37E	606117	3636977 🌍	
x Driller Lic	ense:	1456	Drille	. Con	ıpaı	ny:	WF	HITE DF	RILLING CO	MPANY	
Driller Na	me:	WHITE, JOHN W									
Drill Start	Date:	10/03/2016	Drill F	inish	Da	te:	1	0/12/201	16 Plu	g Date:	
Log File Date: 12/12/2016		12/12/2016	PCW	Rcv I	Date	:			Sou	irce:	Shallow
Ритр Тур	e:		Pipe D	lischa	rge	Size	:		Est	Estimated Yield:	
Casing Siz	Casing Size: 4.00		Depth	Well			240 feet		De	Depth Water:	
	Wate	r Bearing Stratifica	tions:		To 7 14 20 20	75 40 90	140 200 205 218	Sands Sands	stone/Gravel/ stone/Gravel/ stone/Gravel/	Conglomerate Conglomerate Conglomerate Conglomerate	
					21	-	236			Conglomerate	
					23	6	237			Conglomerate	
					23	7	240	Sands	stone/Gravel/	Conglomerate	
X		Casing Perfor	ations:				240 Sottom		stone/Gravel/	Conglomerate	

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POINT OF DIVERSION SUMMARY

Attachment III Field Data



.

2.2

3-22 H zl- swf <168 lab 1' -168 lab Hz2 Swf <600 (lab -> Hz2-su 1' - 608 (lab -> Hz2-su 1' - 608 (lab -> 1' Hz3 Swf <300 lab 1' <100 lab Hz4 Svrf <100 lab
1' 2168 lab Hzz-Surf 2600 (lab -> Hzz-su 1' 2608 (lab -> Hzz-su Hzz-Swif 2300 lab 1' 2100 lab
HZ3 Swif <300 lab 1' <100 lab
1' <100 lab Hz5-swf <100 lab 1' <100 lab
HZ10-SNSP <100 lab 1' <100 lab HZ7-SNSP <100 lab
1' CIOO Neum
to B CH21 B C C - Z
() 123 105mes (000
: (



Notes:	
	Scraped up fluid on location hauled to disposal: Began deliniation by use of backhoe

~Length:	~Width:	~Area:	2400 sq ft	~Depth:		
					Yes	No
Photos of the af	fected area?				х	
Samples field sci	reened and on Ice?				х	
Sample field dat	a entered on Sample Lo	g?			х	
Horizontal and V	ertical delineation achie	eved?			х	
Soil Profile

Attachment IV Laboratory Analytical Reports







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

T- Squared Energy

Project Name: LH- Operating - H-E West B34

Work Order: E206011

Job Number: 22055-0001

Received: 6/1/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 6/7/22

Lindsey Nevels 1057 County Road 309 Orange Grove, TX 78372-9743

Project Name: LH- Operating - H-E West B34 Workorder: E206011 Date Received: 6/1/2022 10:45:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2022 10:45:00AM, under the Project Name: LH- Operating - H-E West B34.

The analytical test results summarized in this report with the Project Name: LH- Operating - H-E West B34 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

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Reported: 06/07/22 15:49
ner
Jar, 4 oz.



	5	ampie D	ala			
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743	Project Name: Project Numbo Project Manag	er: 220:	Operating - H-E V 55-0001 Isey Nevels	West B34		Reported: 6/7/2022 3:49:47PM
		SP1 - Surf				
		E206011-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	0.0291	0.0250	1	06/03/22	06/06/22	H3
Toluene	0.0561	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	0.0432	0.0250	1	06/03/22	06/06/22	H3
o,m-Xylene	0.0737	0.0500	1	06/03/22	06/06/22	H3
Fotal Xylenes	0.117	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		119 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.0 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	12300	2500	100	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	5000	100	06/03/22	06/06/22	
Surrogate: n-Nonane		194 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2223058
Chloride	8560	200	10	06/03/22	06/03/22	

Sample Data



T- Squared Energy 1057 County Road 309

Orange Grove TX, 78372-9743

		Page 44 of 9
Samp	ole Data	
Project Name:	LH- Operating - H-E West B34	
Project Number:	22055-0001	Reported:
Project Manager:	Lindsey Nevels	6/7/2022 3:49:47PM
SP1	- 4'	
E2060)11-02	

		E206011-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	92.1	25.0	1	06/03/22	06/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		105 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: KL		Batch: 2223058
Chloride	145	20.0	1	06/03/22	06/03/22	

Inc.

Sample Data

	50	mpic D	ala			
T- Squared Energy	Project Name:		Operating - H-E	West B34		D (1)
1057 County Road 309	Project Numbe		55-0001			Reported:
Orange Grove TX, 78372-9743	Project Manage	er: Lind	lsey Nevels			6/7/2022 3:49:47PM
	5	SP2 - Surf				
]	E206011-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	:: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	0.0397	0.0250	1	06/03/22	06/06/22	H3
Toluene	0.0581	0.0250	1	06/03/22	06/06/22	H3
p-Xylene	0.0563	0.0250	1	06/03/22	06/06/22	H3
o,m-Xylene	0.0836	0.0500	1	06/03/22	06/06/22	H3
Fotal Xylenes	0.140	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		108 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	12200	2500	100	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	5000	100	06/03/22	06/06/22	
Surrogate: n-Nonane		%	50-200	06/03/22	06/06/22	<i>S6</i>
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: KL		Batch: 2223058
Chloride	11500	200	10	06/03/22	06/03/22	

Sam	ole	Data
~~~~		Data

	5	ample D	ala			
T- Squared Energy	Project Name	: LH-	Operating - H-	E West B34		
1057 County Road 309	Project Numb	er: 2203	55-0001			Reported:
Orange Grove TX, 78372-9743	Project Manag	ger: Lind	lsey Nevels			6/7/2022 3:49:47PM
		SP2 - 6'				
		E206011-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	Н3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	Н3
o,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	Н3
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		108 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: KL		Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/03/22	



# Sample Data

	er: 2203	Operating - H-E V 55-0001 Isey Nevels	Vest B34		Reported:
	SP3 _ Surf				6/7/2022 3:49:47PM
	51 <b>5 -</b> 5ull				
	E206011-05				
	Reporting				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analyst	: IY		Batch: 2223057
ND	0.0250	1	06/03/22	06/06/22	Н3
0.166	0.0250	1	06/03/22	06/06/22	H3
ND	0.0250	1	06/03/22	06/06/22	H3
0.374	0.0250	1	06/03/22	06/06/22	H3
0.694	0.0500	1	06/03/22	06/06/22	Н3
1.07	0.0250	1	06/03/22	06/06/22	H3
	107 %	70-130	06/03/22	06/06/22	
mg/kg	mg/kg	Analyst	: IY		Batch: 2223057
26.8	20.0	1	06/03/22	06/06/22	H3
	89.8 %	70-130	06/03/22	06/06/22	
mg/kg	mg/kg	Analyst	: JL		Batch: 2223065
27900	2500	100	06/03/22	06/06/22	
11400	5000	100	06/03/22	06/06/22	
	%	50-200	06/03/22	06/06/22	<i>S6</i>
mg/kg	mg/kg	Analyst	KL		Batch: 2223058
9670	400	20	06/03/22	06/03/22	
	mg/kg ND 0.166 ND 0.374 0.694 1.07 mg/kg 26.8 mg/kg 27900 11400 mg/kg	Reporting Limit           Result         Limit           mg/kg         mg/kg           ND         0.0250           0.166         0.0250           ND         0.0250           0.374         0.0250           0.694         0.0500           1.07         0.0250           0.694         0.0500           1.07         0.0250           89.8 %         mg/kg           mg/kg         mg/kg           27900         2500           11400         5000           %         mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst           ND         0.0250         1           0.166         0.0250         1           0.166         0.0250         1           0.374         0.0250         1           0.694         0.0500         1           1.07         0.0250         1           mg/kg         mg/kg         Analyst           107 %         70-130         1           mg/kg         mg/kg         Analyst           26.8         20.0         1           mg/kg         mg/kg         Analyst           27900         2500         100           11400         5000         100           %         50-200         1	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/03/22           0.166         0.0250         1         06/03/22           ND         0.0250         1         06/03/22           0.374         0.0250         1         06/03/22           0.694         0.0500         1         06/03/22           0.694         0.0500         1         06/03/22           1.07         0.0250         1         06/03/22           1.07         0.0250         1         06/03/22           1.07         0.0250         1         06/03/22           mg/kg         mg/kg         Analyst: IY         06/03/22           mg/kg         mg/kg         70-130         06/03/22           mg/kg         mg/kg         Analyst: JL         06/03/22           mg/kg         mg/kg         06/03/22         06/03/22           mg/kg         mg/kg         06/03/22         06/03/22           mg/kg         mg/kg         06/03/22         06/03/22           mg/kg         mg/kg         06/03/22 <td>Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         06/03/22         06/06/22           0.166         0.0250         1         06/03/22         06/06/22         06/06/22           ND         0.0250         1         06/03/22         06/06/22         06/06/22           0.374         0.0250         1         06/03/22         06/06/22         06/06/22           0.374         0.0250         1         06/03/22         06/06/22         06/06/22           0.694         0.0500         1         06/03/22         06/06/22         06/06/22           1.07         0.0250         1         06/03/22         06/06/22         06/06/22           mg/kg         mg/kg         Analyst: JL         Z         26.8         20.0         1         06/03/22         06/06/22           mg/kg         mg/kg         Analyst: JL         Z         27900         2500         100         06/03/22         06/06/22           1400         5000         100         06/03/22         06/06/22         06/06/22         06/06/22</td>	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY         ND         0.0250         1         06/03/22         06/06/22           0.166         0.0250         1         06/03/22         06/06/22         06/06/22           ND         0.0250         1         06/03/22         06/06/22         06/06/22           0.374         0.0250         1         06/03/22         06/06/22         06/06/22           0.374         0.0250         1         06/03/22         06/06/22         06/06/22           0.694         0.0500         1         06/03/22         06/06/22         06/06/22           1.07         0.0250         1         06/03/22         06/06/22         06/06/22           mg/kg         mg/kg         Analyst: JL         Z         26.8         20.0         1         06/03/22         06/06/22           mg/kg         mg/kg         Analyst: JL         Z         27900         2500         100         06/03/22         06/06/22           1400         5000         100         06/03/22         06/06/22         06/06/22         06/06/22

Sample Data	Sam	ple	Data
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	25	ample D	ata			
T- Squared Energy	Project Name:	LH-	Operating - H-E V	West B34		
1057 County Road 309	Project Numbe	er: 2203	55-0001			Reported:
Orange Grove TX, 78372-9743	Project Manage	er: Lind	lsey Nevels			6/7/2022 3:49:47PM
		SP3 - 8'				
	]	E206011-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3
o,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3
Fotal Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	Н3
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.9 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		102 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2223058
Chloride	521	20.0	1	06/03/22	06/03/22	



# Sample Data

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	50	ample D	ala			
T- Squared Energy 1057 County Road 309	Project Name: Project Numbe		Operating - H-E V 55-0001	West B34		Reported:
Orange Grove TX, 78372-9743	Project Manag	er: Lind	lsey Nevels	6/7/2022 3:49:47PM		
		SP4 - Surf				
	-	E206011-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Analyst: IY		Batch: 2223057
Benzene	0.0789	0.0250	1	06/03/22	06/06/22	H3
Ethylbenzene	5.44	0.0250	1	06/03/22	06/06/22	H3
Toluene	2.59	0.0250	1	06/03/22	06/06/22	Н3
o-Xylene	3.69	0.0250	1	06/03/22	06/06/22	H3
o,m-Xylene	9.23	0.0500	1	06/03/22	06/06/22	H3
Fotal Xylenes	12.9	0.0250	1	06/03/22	06/06/22	H3
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	133	20.0	1	06/03/22	06/06/22	Н3
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	30100	2500	100	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	11100	5000	100	06/03/22	06/06/22	
Surrogate: n-Nonane		192 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2223058
Chloride	18000	100	5	06/03/22	06/03/22	



Sam	ple	Data

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1 "8"	00	~ <b>j</b>	

	Di	ample D	ala				
T- Squared Energy	Project Name:	LH-	Operating - H-E	West B34			
1057 County Road 309	Project Numbe	er: 2203	55-0001			Reported:	
Orange Grove TX, 78372-9743	Project Manag	er: Lind	lsey Nevels			6/7/2022 3:49:47PM	
		SP4-					
		E206011-08					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057	
Benzene	ND	0.0250	1	06/03/22	06/06/22	H3	
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	H3	
Toluene	ND	0.0250	1	06/03/22	06/06/22	H3	
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	H3	
o,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	H3	
Fotal Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	06/03/22	06/06/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2223057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	Н3	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/03/22	06/06/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2223065	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22		
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22		
Surrogate: n-Nonane		115 %	50-200	06/03/22	06/06/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2223058	
Chloride	170	20.0	1	06/03/22	06/03/22		



# **QC Summary Data**

		QC D	и I I I I I I I I I I I I I I I I I I I	ary Dat	u				
T- Squared Energy 1057 County Road 309		Project Name: Project Number:	2	H- Operating 2055-0001		B34			Reported:
Orange Grove TX, 78372-9743		Project Manager:	L	indsey Nevels					6/7/2022 3:49:47PM
		Volatile O	rganics	by EPA 802	21B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223057-BLK1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0230							
p,m-Aylene Total Xylenes	ND	0.0300							
Surrogate: 4-Bromochlorobenzene-PID	7.65	0.0230	8.00		95.6	70-130			
LCS (2223057-BS1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Benzene	5.30	0.0250	5.00		106	70-130	-		
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
o-Xylene	5.00	0.0250	5.00		99.9	70-130			
p,m-Xylene	9.90	0.0500	10.0		99.0	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			
Matrix Spike (2223057-MS1)				Source:	E206011-0	)1	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Benzene	5.47	0.0250	5.00	ND	109	54-133			
Ethylbenzene	4.99	0.0250	5.00	0.0291	99.3	61-133			
Toluene	5.31	0.0250	5.00	0.0561	105	61-130			
o-Xylene	5.14	0.0250	5.00	0.0432	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	0.0737	102	63-131			
Total Xylenes	15.4	0.0250	15.0	0.117	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	9.53		8.00		119	70-130			
Matrix Spike Dup (2223057-MSD1)				Source:	E206011-0	)1	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Benzene	5.22	0.0250	5.00	ND	104	54-133	4.74	20	
Ethylbenzene	4.77	0.0250	5.00	0.0291	94.8	61-133	4.60	20	
Toluene	5.08	0.0250	5.00	0.0561	101	61-130	4.42	20	
o-Xylene	4.91	0.0250	5.00	0.0432	97.3	63-131	4.57	20	
p,m-Xylene	9.79	0.0500	10.0	0.0737	97.2	63-131	4.58	20	
Total Xylenes	14.7	0.0250	15.0	0.117	97.2	63-131	4.58	20	
Surrogate: 4-Bromochlorobenzene-PID	9.49		8.00		119	70-130			



# QC Summary Data

		QC D	umm	ary Data	a				
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743		Project Name: Project Number: Project Manager:	2	.H- Operating - 2055-0001 .indsey Nevels		: B34			<b>Reported:</b> 6/7/2022 3:49:47PM
	No	nhalogenated C	Organics	by EPA 80	15D - GI	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	шукд	ing kg	ing/kg	mg xg	70	70	70	70	Notes
Blank (2223057-BLK1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			
LCS (2223057-BS2)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			
Matrix Spike (2223057-MS2)				Source:	E206011-(	)1	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	70.4	20.0	50.0	ND	141	70-130			M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			
Matrix Spike Dup (2223057-MSD2)				Source:	E206011-0	)1	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	69.5	20.0	50.0	ND	139	70-130	1.20	20	M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

# **QC Summary Data**

		QU DI	u 111111	ary Data					
T- Squared Energy 1057 County Road 309		Project Name: Project Number:		LH- Operating - 22055-0001	H-E Wes	t B34			Reported:
Orange Grove TX, 78372-9743		Project Manager:	]	Lindsey Nevels					6/7/2022 3:49:47PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223065-BLK1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			
LCS (2223065-BS1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Diesel Range Organics (C10-C28)	495	25.0	500		99.0	38-132			
Surrogate: n-Nonane	58.0		50.0		116	50-200			
Matrix Spike (2223065-MS1)				Source: I	E206010-	02	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Diesel Range Organics (C10-C28)	4190	1250	500	4780	NR	38-132			M4
Surrogate: n-Nonane	102		50.0		204	50-200			<i>S5</i>
Matrix Spike Dup (2223065-MSD1)				Source: I	E206010-	02	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Diesel Range Organics (C10-C28)	5190	1250	500	4780	81.5	38-132	21.3	20	R3
Surrogate: n-Nonane	102		50.0		203	50-200			S5



# **QC Summary Data**

		<b>C</b>	-						
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743		Project Name: Project Number: Project Manager	,	LH- Operating - 22055-0001 Lindsey Nevels		t B34			<b>Reported:</b> 6/7/2022 3:49:47PM
		Anions	by EPA	300.0/9056A	۸				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223058-BLK1)							Prepared: 0	6/03/22 A	analyzed: 06/03/22
Chloride	ND	20.0							
LCS (2223058-BS1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Chloride	271	20.0	250		109	90-110			
LCS Dup (2223058-BSD1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Chloride	242	20.0	250		96.9	90-110	11.4	20	

QC Summary Report Comment:

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



# **Definitions and Notes**

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	Reported:
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:49

- H3 Due to laboratory error, sample analysis was performed past holding time.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- S6 Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

-guarea chergy-			RUSH?	Lab Use Only	1		Ana	lysis and Method	lab	Only
ject: LIF-operating - H.E Inlest	BZ		1d	Lab WO#			(a)			N/Y
int: T-Squared Energy- ject: Lif-operating - H.E. West npler: Ludsm Nerves one: 432 241-2480			3d	PEZOLOOII						(s)
one: 432 241-2480	. 24			Job Number	8015			0.0	Number	rsrv
ail(s): Ludsleys TSquaredonergy i	om		12.66	22055-0001	by 8	8021	1.	300.0	- N N	Cont/Prsrv
ject Manager:			Page			by 80	/ 418.1	de by	Lab	
Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO	BTEX b	трн by	Chloride		Correct
1-sart	5/23/22				Ø	0	Ø	8	l	
1-4'	5/23/22				6	e	OA	2	2	
1-3wf 1-4' 2-swf	5/23/22			l.	VI	0	6		3	
2 - 6'	5/23/22				6	0	2		4	
3-suf	5/27/22				6	6	G		5	
0.3- 8	5/23/22				·Q	þ	P		4	
H-SwA	5/27/22				0	C	9		7	1
501-	5/23/2	ר	A -		(	de	1		8	
							Í			
D										
Relinquished by: (Signature) Date Time	Received	by: (Signat	ture)	Date Time #	*Recei	ved	on Ice	Lab Use Only		
Relinquished by: (Signature) Date Time 5.31.22	Received	by: (Signat	ture) ta	Date Time 7	1 VG Ter	_	,	T2	Т3	-
nple Matrix: 9-Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					and the second second			/plastic, <b>ag</b> - amber g	lass, v - VOA	
amples requiring thermal preservation must be received on ice the day	and the second se				5 °C on sul	bseque	nt day	s.		
Sample(s) dropped off after hours to a secure drop off area.		Chain of	f Custody	Notes/Billing info:						
Analytical Laboratory			ngton, NM 87401	1000	2-0615 Fx (				envirotech-I	

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# **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

mail:     Index@stsparedenergy.com     Due Date:     06/07/22 17:00 (4 day TAT)       The fail of Custed/ (COC).     .      Does the sample ID match the COC?     Yes      Does the number of samples per sampling site location match the COC     Yes      Does the number of samples per sampling site location match the COC     Yes      Was and the COC complete. i.e., signatures, datestimes, requested analyses?     No      Was at COC complete. i.e., signatures, datestimes, requested analyses?     No      Ner call samples received within holding time?     Yes      Ner all samples received within holding time?     Yes      Ner call sample received in this disession.     Connects/Recolution	Client:	T- Squared Energy Da	ate Received:	06/01/22 10	):45	Work Order ID: E206011
Email:       Indecy@stylepaqueedeargescom       Due Date:       6647/22 17:00 (4 day TAT)         I. Does the sample ID match the COC?       Yes       Second the sample ID match the COC?       Yes         J. Does the number of samples preside location match the COC       Yes       Carrier: UPS         Was the COC complete, i.e, signatures, data/stimes, requested analyses?       No       Carrier: UPS         Nor: Analysis, such as pH witch should be conducted in the field, i.e, 15 minute hold im, ere on included in this discussion.       Carments/Resolution         Sample Cooler       7       Yes       Sample Cooler received with in discussion.       Carments/Resolution         Yower classinghe of received with indices the adder TAT, or Expedited TAT?       Yes       Sample Cooler received intext, i.e., not broken?       Yes         9. Was the sample cooler received intext, i.e., not broken?       Yes       Time sampled and Matrix not provided of COC.         10. Were custody/security seals intext?       No       No       COC.         11. fryse, were custody/security seals intext?       No       No       COC.         12. Was the ample sociected in the temperature.       4 ^o CE       Sample Container       Time sample and Matrix not provided of COC.         13. If no vibite loce, record the temperature.       4 ^o CE       Sample Container       Time sample and Matrix not provided of COC. <t< th=""><th>Phone:</th><th>(432) 241-2480 Da</th><th>te Logged In:</th><th>06/01/22 11</th><th>:28</th><th>Logged In By: Caitlin Christian</th></t<>	Phone:	(432) 241-2480 Da	te Logged In:	06/01/22 11	:28	Logged In By: Caitlin Christian
<ul> <li>2. Does the number of samples per sampling site location match the COC Yes</li> <li>3. Were samples dropped off by client or certife?</li> <li>4. Wes the COC complete, i.e., signatures, dates/times, requested analyses?</li> <li>No: A Was the COC complexit, i.e., spantures, dates/times, requested analyses?</li> <li>No: A Was the Source of the Which should be conduced in the field, i.e., 15 minute hold ima, are not included in this discussion.</li> <li>Samule Turn Aroand Time (TAT)</li> <li>Samule Coulter</li> <li>Yes</li> <li>Samule Coulter</li> <li>Yes a sample cooler received in good condition?</li> <li>Yes</li> <li>9. Was the sample(s) received in good condition?</li> <li>Yes</li> <li>9. Was the sample(s) received in good condition?</li> <li>Yes</li> <li>9. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e. 6⁶42°C</li> <li>No: Were caustody/security seals intat?</li> <li>11. If yes, was cooler received in the received with 15 minutus of samples are received with 15 minutus of samples received on ice? If yes, the recorded temp is 4°C, i.e. 6⁶42°C</li> <li>No: No: Themal preservation is not required, if samples are received with 15 minutus of samples were constandy seed?</li> <li>No</li> <li>13. If no visible ice, record the temperature: 4°C</li> <li>Sample Container</li> <li>14. Are aqueous VOC samples present?</li> <li>No</li> <li>15. Are VOC samples collected in VOA Vials?</li> <li>Na</li> <li>18. Are non-VOC samples filled out with the minimum information: Sample ID?</li> <li>No to the collected?</li> <li>Yes</li> <li>19. In which is filled out with the minimum information: Sample ID?</li> <li>No</li> <li>20. Does the Coll of Field labels indicate the samples were preserved?</li> <li>No</li> <li>21. Does the Coll of Field helps indicate the samples were preserved?</li> <li>No</li> <li>21. Does the Coll of the simple Matter is a subcontract laborator?</li> <li>No</li> <li>22. Are sample Matter ID</li> <li>23. Are sample Matter ID</li> <li>24. Are sample Matter ID</li> <li>24.</li></ul>	Email:			06/07/22 17	7:00 (4 day TAT)	
<ul> <li>2. Does the number of samples per sampling site location match the COC Yes</li> <li>3. Were samples dropped off by client or certife?</li> <li>4. Wes the COC complete, i.e., signatures, dates/times, requested analyses?</li> <li>No: A Was the COC complexit, i.e., spantures, dates/times, requested analyses?</li> <li>No: A Was the Source of the Which should be conduced in the field, i.e., 15 minute hold ima, are not included in this discussion.</li> <li>Samule Turn Aroand Time (TAT)</li> <li>Samule Coulter</li> <li>Yes</li> <li>Samule Coulter</li> <li>Yes a sample cooler received in good condition?</li> <li>Yes</li> <li>9. Was the sample(s) received in good condition?</li> <li>Yes</li> <li>9. Was the sample(s) received in good condition?</li> <li>Yes</li> <li>9. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e. 6⁶42°C</li> <li>No: Were caustody/security seals intat?</li> <li>11. If yes, was cooler received in the received with 15 minutus of samples are received with 15 minutus of samples received on ice? If yes, the recorded temp is 4°C, i.e. 6⁶42°C</li> <li>No: No: Themal preservation is not required, if samples are received with 15 minutus of samples were constandy seed?</li> <li>No</li> <li>13. If no visible ice, record the temperature: 4°C</li> <li>Sample Container</li> <li>14. Are aqueous VOC samples present?</li> <li>No</li> <li>15. Are VOC samples collected in VOA Vials?</li> <li>Na</li> <li>18. Are non-VOC samples filled out with the minimum information: Sample ID?</li> <li>No to the collected?</li> <li>Yes</li> <li>19. In which is filled out with the minimum information: Sample ID?</li> <li>No</li> <li>20. Does the Coll of Field labels indicate the samples were preserved?</li> <li>No</li> <li>21. Does the Coll of Field helps indicate the samples were preserved?</li> <li>No</li> <li>21. Does the Coll of the simple Matter is a subcontract laborator?</li> <li>No</li> <li>22. Are sample Matter ID</li> <li>23. Are sample Matter ID</li> <li>24. Are sample Matter ID</li> <li>24.</li></ul>	<u>Chain of</u>	Custody (COC)				
3. Were samples dropped off by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No 5. Were all samples received with holding time? Yes Note: Analysis, such as pH which should be to idduced in the field, i.e. 15 minue hold ime, are no included in this discussion. <b>Sample Corr ence</b> with any off indicates standard TAT, or Expedited TAT? Yes <b>Sample Cooler</b> 7. Was a sample cooler received in good condition? Yes 8. If yes, was cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? No 12. Was the sample cooler received? Is an interview of the sample are received with 15 minutes of samples. Actual sample temperature: <u>4*C</u> <b>Sample Container</b> 13. If no visible ice, record the temperature. Actual sample temperature: <u>4*C</u> <b>Sample Container</b> 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head pace less than 6-5 mm (peas sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes <b>Semple Drote</b> <b>Sample Drote</b> <b>Collectors find labels inflicate the samples were preserved? No 21. Drose the COC or field labels inflicate the samples were preserved? No 22. Are sample(s) correctly preserved? No 23. Are sample bave more than one phase, i.e., multiphase? No 24. Is lab filteration required and/or requested for dissolved metals? No <b>Sample Drote</b> 25. Does the COC or field labels inflicate the samples were preserved? No 27. If yes, does the COC set field heads indicate the samples were preserved? No 27. If yes, does the COC set field heads indicate the samples were preserved? No 27. If yes, does the COC set field heads indicate the samples were preserved? No 27. If yes, does the COC set field heads indicat</b>	1. Does tl	he sample ID match the COC?		Yes		
<ul> <li>4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No</li> <li>5. Were all samples received within holding time? Yes</li> <li>5. More analysis, such as path which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.</li> <li>5. More analysis, and as path which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.</li> <li>6. Did the COC indicate standard TAT, or Expedited TAT? Yes</li> <li>8. Types, was cooler received? Yes</li> <li>8. Types, was cooler received? Yes</li> <li>9. Was the sample cooler received in tact, i.e., not broken? Yes</li> <li>9. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°#2°C Yes</li> <li>Not: Themal preservation is not required. Famples are received wil 15 minutes of sampling</li> <li>11. If visible in vOA Vials? NA</li> <li>12. Was the daspace less than 6-8 mm (pea sized or less)? NA</li> <li>13. Are vono: VOC samples collected in the ortic containers? Yes</li> <li>19. Is the appropriate volume/weight or number of sample containers collect? Yes</li> <li>10. Were field sample labels filled out with the minimum information: Sample ID? No</li> <li>20. Were field sample labels filled out with the minimum information: Sample ID? No</li> <li>20. Were field sample labels filled out with the minimum information: Sample COC or field labels indicate the samples were preserved? No</li> <li>21. Does the COC or field labels indicate the samples were preserved? No</li> <li>22. Are sample(s) orreceived preserved? Mithages () is to be analyzed? No</li> <li>23. Are sample(s) orreceived preserved? No</li> <li>24. Are sample (source) preserved? No</li> <li>25. Are sample source of a get sent to a subcontract laborator? No</li> <li>26. Are sample and metains preserved? No</li> <li>27. Are sample(s) orreceived preserved? No</li> <li>28. Are sample second metains on ephase, i.e., multiphase? No</li> <li>29. Are sample second metains on space i.e., multiphas</li></ul>	2. Does the	he number of samples per sampling site location match	the COC	Yes		
5. Were all samples received within holding time? Yes Note: Analysis, such as pH which should be conducted in the field, i.e., IS minue hold time, are not included in this discussion. Sample Cooler Sample Cooler received in a env to include TAT? Yes Sample Cooler received in good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals present? No 11. If yes, were custody/security seals present? No 12. Was the sample cooler received in the is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are aquecous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Wis at in blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected for to Canalyses? NA 19. Are any ounder for VOC analyses? NA 19. Are non-VOC samples collected in the orient containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? No 20. Are sample(s) correctly preserved? No 21. Are sample(s) correctly preserved? No 21. Does the COC or field labels indicate the samples were preserved? No 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No 23. Are sample(s) correctly preserved? No 24. Are sample (s) correctly preserved? No 25. Are sample sender to required direct or to analyzed? Na 26. Are samples required to get sent to a subcontract laboratory? No	3. Were s	amples dropped off by client or carrier?		Yes	Carrier: U	JPS
Note: Analysis, such as pil which should be conducted in the field, i.e. 15 minute hold itme, are not included in this disussion. Sample Court of Condicate standard TAT, or Expedited TAT? Ves Sample Cooler 7. Was a sample cooler received? Yes 8. If yes, was cooler received? Yes 9. Was he sample (so received in good condition? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? Analysis of the sample are received wif 15 minutes of sampling 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C No C. Thermal preservation is not required, if samples are received wif 15 minutes of sampling 13. Ir ov sibile ice, record the temperature. Actual sample temperature: $\frac{4°C}{2}$ Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 15. Are ton Co Samples collected in VOA Vials? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected? Yes 19. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 17. Was a trip blank (TB) included for VOC analyses? NA 19. Does the COC or field labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: Sample ID? 20. Are sample(s) correctly preserved? No 22. Are sample(s) correctly preserved? No 23. Are sample(s) correctly preserved? No 24. Are sample(s) correctly mested for dissolved metals? No 25. Are samples for which phase(s) is to be analyzed? No 27. Are samples negured to get sent to a subcontract laborator? No 27. Are samples required to get sent to a subcontract laborator? No 27. Are samples required to get sent to a subcontract laborator? No 27. Are samples required to get sent to a subcontract laborator? No 27. Are samples required to get sent to a subcontract laborator? No 27. Are samples required to get sent to a subcontract laborator? No 27. Are samples re	4. Was th	e COC complete, i.e., signatures, dates/times, requested	analyses?	No		
6. Did the COC indicate standard TAT, or Expedited TAT?       Yes       Time sampled and Matrix not provided of COC.         Sample Cooler       Yes       Stringe Stample(s) received in good condition?       Yes         9. Was the sample(s) received in fact, i.e., not broken?       Yes       Yes         10. Were custody/security seals intact?       No         11. If yes, were custody/security seals intact?       No         12. Was the sample forevied on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received will 15 minutes of sampling       No         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected?       Yes         Date/Time Collected?       No         O. Were field sample labels filled out with the minimum information:       Sample ID?         Sample COC or club preserved?       No         21. No es the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved? <t< td=""><td>5. Were a</td><td>Note: Analysis, such as pH which should be conducted in the</td><td>e field,</td><td>Yes</td><td></td><td>Comments/Resolution</td></t<>	5. Were a	Note: Analysis, such as pH which should be conducted in the	e field,	Yes		Comments/Resolution
Sample Cooler       COC.         7. Was a sample cooler received?       Yes         8. If yes, was cooler received?       Yes         9. Was the sample (s) received intact, i.e., not broken?       Yes         10. Were custody/security seals intact?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the reorded temp is 4°C, i.e., 6°±2°C       Yes         No       No         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Cooleration         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Are sample(s) correctly preserved?       No         21. Are sample(s) correctly preserved?       No         22. Are sample(s) correctly preserved?       No         23. Las baff Intention required and/or requested for dissolved metals?	Sample 7	<u>Furn Around Time (TAT)</u>				
7. Was a sample cooler received?       Yes         8. If yes, was cooler received in good condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         0. Were custody/security seals present?       No         11. If yes, were custody/security seals intat??       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling       The visible ice, record the temperature. Actual sample temperature: 4°C         3. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         Date/Time Collected?       No         O. Were field sample labels filled out with the minimum information:       Sample IP?         Sample IPreservation       No         21. Does the COC or field labels indicate the samples were preserved?       No         Sample Preservation       No         21. Does the COC specify which plase(s) is to	6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes		
8. If yes, was cooler received in good condition?       Yes         9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       Na         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wil 15 minutes of sampling       Yes         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Yes         Sample Container       No         14. Are aqueous VOC samples collected in VOA Vials?       NA         15. Are VOC Samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         Pield Label       Yes         20. Were field sample labels filled out with the minimum information: Sample ID?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         23. Are sample Matrix       No </td <td>Sample (</td> <td>Cooler</td> <td></td> <td></td> <td></td> <td>COC.</td>	Sample (	Cooler				COC.
9. Was the sample(s) received intact, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Sample Container 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Yes Date/Time Collected? No Collectors name? No <b>Sample Preservation</b> 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? NA 24. Is lab filteration required and/or requested for dissolved metals? No <b>Multiphase Sample Matrix</b> 26. Does the COC specify which phase(s) is to be analyzed? Na <b>Multiphase Sample Matrix</b> 26. Does the COC specify which phase(s) is to be analyzed? Na <b>Multiphase Sample Matrix</b> 26. Are sample have more than one phase, i.e., multiphase? No <b>Multiphase Sample Matrix</b> 26. Does the COC specify which phase(s) is to be analyzed? Na <b>Multiphase Sample Matrix</b> 26. Are sample shave more than one phase, i.e., multiphase? No <b>Multiphase Sample Matrix</b> 26. Are sample have more than one phase, i.e., multiphase? No <b>Multiphase Sample Matrix</b> 26. Are sample shave more than one phase, i.e., multiphase? No <b>Multiphase Sample Matrix</b> 26. Are samples required to get sent to a subcontract laboratory? No	7. Was a s	sample cooler received?		Yes		
10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wil 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample Time Collected?         No       Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         21. Does the COC or specify preserved?       NA         23. Los the COC or specify which phase(s) is to be analyzed?       No         24. Is lab filteration required and/or requested for dissolved metals?       No         25. Does the COC specify which phase(s) is to be analyzed?       Na         26. Does the sam	8. If yes,	was cooler received in good condition?		Yes		
11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wil 15       No         13. If no visible ice, record the temperature. Actual sample temperature: <u>4°C</u> Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Date/Time Collected?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         21. Does the COC or specify which phase(s) is to be analyzed?       No         22. Are sample(s) correctly preserved?       No         23. Los the COC or specify which phase(s) is to be analyzed?       No         24. Is lab filteration required and/or requested for dissolved metals?       No         26. Does the sample have more than one phase, i.e., multiphase?	9. Was th	e sample(s) received intact, i.e., not broken?		Yes		
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wi 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was at rip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample Treservation       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         Subcontract Laboratory       Na         28. Are samples	10. Were	custody/security seals present?		No		
Note: Thermal preservation is not required, if samples are received wil 15 minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C         Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample Preservation       No         21. Does the COC or field labels indicate the samples were preserved?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         23. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample Matrix       No         27. If yes, does the COC specify which phase(is to be analyzed?       No         Multiphase Sample Matrix       No         28. Are samples required to get sent to	11. If yes	, were custody/security seals intact?		NA		
13. If no visible ice, record the temperature. Actual sample temperature: 4°C         Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Date/Time Collected?       No         Collectors name?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         23. Are sample(s) correctly preserved?       No         24. Is lab filteration required and/or requested for dissolved metals?       No         25. Does the sample Matrix       No         26. Does the sample Matrix       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       N	12. Was th	Note: Thermal preservation is not required, if samples are real		Yes		
14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         25. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       No         28. Are samples required to get sent to a subcontract laborator?       No	13. If no •		nperature: <u>4°</u>	<u>'C</u>		
14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes <b>Field Label</b> Yes         20. Were field sample labels filled out with the minimum information: Sample ID? Collected?       Yes         Date/Time Collected?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         25. Does the COC specify which phase(s) is to be analyzed?       Na         26. Does the cOC specify which phase(s) is to be analyzed?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       Na         28. Are samples required to get sent to a subcontract laboratory?       No	Sample (	Container				
16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         23. Are sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         77. If yes, does the COC specify which phase(s) is to be analyzed?       NA         8. Are samples required to get sent to a subcontract laboratory?       No	14. Are a	queous VOC samples present?		No		
17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         7. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       No         28. Are samples required to get sent to a subcontract laboratory?       No	15. Are V	/OC samples collected in VOA Vials?		NA		
18. Are non-VOC samples collected in the correct containers?       Yes         19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label       20. Were field sample labels filled out with the minimum information: Sample ID?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the Sample Matrix         26. Does the sample have more than one phase, i.e., multiphase?       No         71. If yes, does the COC specify which phase(s) is to be analyzed?       NA <b>Subcontract Laboratory</b> NA         28. Are samples required to get sent to a subcontract laborator?       No	16. Is the	head space less than 6-8 mm (pea sized or less)?		NA		
19. Is the appropriate volume/weight or number of sample containers collected?       Yes         Field Label         Yes         20. Were field sample labels filled out with the minimum information:         Sample ID?       Yes         Date/Time Collected?       No         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         7. If yes, does the COC specify which phase(s) is to be analyzed?       Na         Subcontract Laboratory       No         28. Are samples required to get sent to a subcontract laboratory?       No	17. Was a	a trip blank (TB) included for VOC analyses?		NA		
Field Label         20. Were field sample labels filled out with the minimum information:         Sample ID?         Date/Time Collected?         Collectors name?         No         Sample Preservation         21. Does the COC or field labels indicate the samples were preserved?         No         22. Are sample(s) correctly preserved?         NA         24. Is lab filteration required and/or requested for dissolved metals?         No         Multiphase Sample Matrix         26. Does the sample have more than one phase, i.e., multiphase?         No         27. If yes, does the COC specify which phase(s) is to be analyzed?         NA         Subcontract Laboratory         28. Are samples required to get sent to a subcontract laboratory?	18. Are n	on-VOC samples collected in the correct containers?		Yes		
20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       No         Date/Time Collected?       No         Collectors name?       No         Sample Preservation       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       Na         28. Are samples required to get sent to a subcontract laboratory?       No	19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes		
Sample ID?YesDate/Time Collected?NoCollectors name?NoSample Preservation121. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix	<u>Field La</u>	<u>bel</u>				
Date/Time Collected? Collectors name?NoSample PreservationNo21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample MatrixNo26. Does the sample have more than one phase, i.e., multiphase?No27. If yes, does the COC specify which phase(s) is to be analyzed?NaSubcontract LaboratoryNa28. Are samples required to get sent to a subcontract laboratory?No		-	ation:			
Collectors name?NoSample PreservationNo21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample MatrixNo26. Does the sample have more than one phase, i.e., multiphase?No27. If yes, does the COC specify which phase(s) is to be analyzed?NaSubcontract LaboratoryNa28. Are samples required to get sent to a subcontract laboratory?No		-				
Sample Preservation21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix						
21. Does the COC or field labels indicate the samples were preserved?No22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix				INO		
22. Are sample(s) correctly preserved?NA24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample Matrix			erved?	No		
24. Is lab filteration required and/or requested for dissolved metals?NoMultiphase Sample MatrixNo26. Does the sample have more than one phase, i.e., multiphase?No27. If yes, does the COC specify which phase(s) is to be analyzed?NASubcontract Laboratory28. Are samples required to get sent to a subcontract laboratory?28. Are samples required to get sent to a subcontract laboratory?No						
Multiphase Sample Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       Z         28. Are samples required to get sent to a subcontract laboratory?       No			ls?			
26. Does the sample have more than one phase, i.e., multiphase?       No         27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       20         28. Are samples required to get sent to a subcontract laboratory?       No						
27. If yes, does the COC specify which phase(s) is to be analyzed?       NA         Subcontract Laboratory       28. Are samples required to get sent to a subcontract laboratory?         No				No		
Subcontract Laboratory         28. Are samples required to get sent to a subcontract laboratory?       No						
28. Are samples required to get sent to a subcontract laboratory? No	-			11/1		
				No		
					Subcontract I ab	r na

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

T- Squared Energy

Project Name: LH- Operating - H-E West B34

Work Order: E206012

Job Number: 22055-0001

Received: 6/1/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 6/7/22

Lindsey Nevels 1057 County Road 309 Orange Grove, TX 78372-9743

Project Name: LH- Operating - H-E West B34 Workorder: E206012 Date Received: 6/1/2022 10:45:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2022 10:45:00AM, under the Project Name: LH- Operating - H-E West B34.

The analytical test results summarized in this report with the Project Name: LH- Operating - H-E West B34 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

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Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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Envirotech Web Address: www.envirotech-inc.com



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### Sample Summary

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		Sample Sum	mary		
T- Squared Energy		Project Name:	LH- Operating - H	-E West B34	Reported:
1057 County Road 309		Project Number:	22055-0001		Reporteu.
Orange Grove TX, 78372-9743		Project Manager:	Lindsey Nevels		06/07/22 15:51
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HZ1 - Surf	E206012-01A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
HZ1 - 1'	E206012-02A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
IZ2 - Surf	E206012-03A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
IZ2 - 1'	E206012-04A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
IZ3 - Surf	E206012-05A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
IZ3 - 1'	E206012-06A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
IZ4 - Surf	E206012-07A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
IZ4 - 1'	E206012-08A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
Z5 - Surf	E206012-09A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.
Z5 - 1'	E206012-10A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.



	Da	mpic D	ata			
T- Squared Energy 1057 County Road 309	Project Name: Project Numbe		LH- Operating - H-E West B34 22055-0001			Reported:
Orange Grove TX, 78372-9743	Project Manage		lsey Nevels			6/7/2022 3:51:45PM
	J	HZ1 - Surf				
	]	E206012-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	Н3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Fotal Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
urrogate: 4-Bromochlorobenzene-PID		98.5 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		110 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2223058
Chloride	516	20.0	1	06/03/22	06/04/22	

# Sample Data



# Sample Data

	D	ample D	ata			
T- Squared Energy	Project Name	: LH-	Operating - H-E	West B34		
1057 County Road 309	Project Numb	er: 220	55-0001			Reported:
Orange Grove TX, 78372-9743	Project Manag	ger: Lind	lsey Nevels			6/7/2022 3:51:45PM
		HZ1 - 1'				
		E206012-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
p-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Fotal Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	Н3
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		109 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2223058
Chloride	244	20.0	1	06/03/22	06/04/22	
monde	211	20.0	-			



## Sample Data

			aca			
T- Squared Energy	Project Name:	LH-	Operating - H-E	West B34		
1057 County Road 309	Project Numb	er: 220	55-0001			Reported:
Orange Grove TX, 78372-9743	Project Manag	ger: Lind	lsey Nevels			6/7/2022 3:51:45PM
		HZ2 - Surf				
		E206012-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	Н3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
oluene	ND	0.0250	1	06/03/22	06/07/22	Н3
-Xylene	ND	0.0250	1	06/03/22	06/07/22	Н3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	Н3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
urrogate: 4-Bromochlorobenzene-PID		97.0 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
urrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
urrogate: n-Nonane		108 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/04/22	

# Sample Data

	De De	ampic D	ala			
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743	Project Name: Project Numbe Project Manag	er: 2203	Operating - H-E 55-0001 Isey Nevels	West B34		<b>Reported:</b> 6/7/2022 3:51:45PM
		HZ2 - 1'				
		E206012-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	Н3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	Н3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.4 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ıt: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		107 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/04/22	



### Sample Data

	50	imple D	ala			
T- Squared Energy 1057 County Road 309	Project Name: Project Numbe		Operating -	H-E West B34		Reported:
Orange Grove TX, 78372-9743	Project Manage		lsey Nevels			6/7/2022 3:51:45PM
		HZ3 - Surf	2			
	-	HZ3 - SUFI E206012-05				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
foluene	ND	0.0250	1	06/03/22	06/07/22	H3
-Xylene	ND	0.0250	1	06/03/22	06/07/22	Н3
,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
urrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
urrogate: 1-Chloro-4-fluorobenzene-FID		90.6 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	90.2	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Gurrogate: n-Nonane		105 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: KL		Batch: 2223058
Chloride	24.0	20.0	1	06/03/22	06/04/22	



# Sample Data

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	Si	ample D	ala			
T- Squared Energy	Project Name:		Operating - H-E	West B34		
1057 County Road 309	Project Numbe		55-0001			Reported:
Orange Grove TX, 78372-9743	Project Manag	ger: Lind	lsey Nevels			6/7/2022 3:51:45PM
		HZ3 - 1'				
		E206012-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	Н3
Foluene	ND	0.0250	1	06/03/22	06/07/22	Н3
p-Xylene	ND	0.0250	1	06/03/22	06/07/22	Н3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	Н3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	Н3
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	144	25.0	1	06/03/22	06/06/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/06/22	
Surrogate: n-Nonane		113 %	50-200	06/03/22	06/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2223058
Chloride	148	20.0	1	06/03/22	06/04/22	



## Sample Data

		impic D	ata			
T- Squared Energy	Project Name:		Operating - H-E	West B34		
1057 County Road 309	Project Numbe		55-0001			Reported:
Orange Grove TX, 78372-9743	Project Manage	er: Lind	lsey Nevels			6/7/2022 3:51:45PM
	]	HZ4 - Surf				
	]	E206012-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	Н3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	Н3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	Н3
Fotal Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		98.2 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22	
Surrogate: n-Nonane		110 %	50-200	06/03/22	06/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2223058
Chloride	33.4	20.0	1	06/03/22	06/04/22	

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# Sample Data

	5	ampic D	ata			
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743	Project Name: Project Numbe Project Manag	er: 2203	Operating - H-E 55-0001 Isey Nevels	E West B34		<b>Reported:</b> 6/7/2022 3:51:45PM
		HZ4 - 1'				
		E206012-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3
o-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	H3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3
Surrogate: 4-Bromochlorobenzene-PID		96.8 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: IY		Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22	
Surrogate: n-Nonane		110 %	50-200	06/03/22	06/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: KL		Batch: 2223058
Chloride	ND	20.0	1	06/03/22	06/04/22	

## Sample Data

	Di	ample D	ala				
T- Squared Energy	Project Name:	LH-	LH- Operating - H-E West B34				
1057 County Road 309	Project Numbe	er: 220	55-0001	Reported:			
Orange Grove TX, 78372-9743	Project Manag	ger: Lind	lsey Nevels		6/7/2022 3:51:45PM		
		HZ5 - Surf					
		E206012-09					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2223057	
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3	
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	H3	
Toluene	ND	0.0250	1	06/03/22	06/07/22	H3	
p-Xylene	ND	0.0250	1	06/03/22	06/07/22	H3	
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	Н3	
Fotal Xylenes	ND	0.0250	1	06/03/22	06/07/22	H3	
Surrogate: 4-Bromochlorobenzene-PID		99.1 %	70-130	06/03/22	06/07/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2223057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	06/03/22	06/07/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Analyst: JL		Batch: 2223065	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22		
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22		
Surrogate: n-Nonane		104 %	50-200	06/03/22	06/07/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	Analyst: KL		Batch: 2223058	
Chloride	ND	20.0	1	06/03/22	06/04/22		



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	S	ample D	ata			
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743	Project Name Project Numb Project Manag	er: 2205	Operating - H-E 55-0001 Isey Nevels	West B34		<b>Reported:</b> 6/7/2022 3:51:45PM
	Tiojeet Manag	HZ5 - 1'	isey iveveis			0,72022 0.01.10114
		HZ5 - 1 E206012-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	Analyst: IY		Batch: 2223057
Benzene	ND	0.0250	1	06/03/22	06/07/22	H3
Ethylbenzene	ND	0.0250	1	06/03/22	06/07/22	Н3
Toluene	ND	0.0250	1	06/03/22	06/07/22	Н3
p-Xylene	ND	0.0250	1	06/03/22	06/07/22	Н3
o,m-Xylene	ND	0.0500	1	06/03/22	06/07/22	Н3
Total Xylenes	ND	0.0250	1	06/03/22	06/07/22	Н3
Surrogate: 4-Bromochlorobenzene-PID		99.4 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	ng/kg Analyst: IY			Batch: 2223057
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/07/22	H3
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.1 %	70-130	06/03/22	06/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	it: JL		Batch: 2223065
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/07/22	
Surrogate: n-Nonane		110 %	50-200	06/03/22	06/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	Analyst: KL		Batch: 2223058
Chloride	47.5	20.0	1	06/03/22	06/04/22	

# **QC Summary Data**

		<b>X</b> U N		ary Dat						
T- Squared Energy 1057 County Road 309		Project Name: LH- Operating - H-E West B34 Project Number: 22055-0001						Reported:		
Orange Grove TX, 78372-9743		Project Manager:	L	indsey Nevels				6/7/2022 3:51:45PM		
		Volatile O	rganics	by EPA 802	21B				Analyst: IY	
Analyte		Reporting	Spike	Source		Rec		RPD		
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2223057-BLK1)							Prepared: 0	6/03/22 A	Analyzed: 06/06/22	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
p,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130				
LCS (2223057-BS1)							Prepared: 0	6/03/22 A	Analyzed: 06/06/22	
Benzene	5.30	0.0250	5.00		106	70-130				
Ethylbenzene	4.81	0.0250	5.00		96.2	70-130				
Toluene	5.10	0.0250	5.00		102	70-130				
o-Xylene	5.00	0.0250	5.00		99.9	70-130				
p,m-Xylene	9.90	0.0500	10.0		99.0	70-130				
Total Xylenes	14.9	0.0250	15.0		99.3	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130				
Matrix Spike (2223057-MS1)				Source:	E206011-0	01	Prepared: 0	6/03/22 A	Analyzed: 06/06/22	
Benzene	5.47	0.0250	5.00	ND	109	54-133				
Ethylbenzene	4.99	0.0250	5.00	0.0291	99.3	61-133				
Toluene	5.31	0.0250	5.00	0.0561	105	61-130				
o-Xylene	5.14	0.0250	5.00	0.0432	102	63-131				
p,m-Xylene	10.3	0.0500	10.0	0.0737	102	63-131				
Total Xylenes	15.4	0.0250	15.0	0.117	102	63-131				
Surrogate: 4-Bromochlorobenzene-PID	9.53		8.00		119	70-130				
Matrix Spike Dup (2223057-MSD1)				Source:	E206011-0	01	Prepared: 0	6/03/22 A	Analyzed: 06/06/22	
Benzene	5.22	0.0250	5.00	ND	104	54-133	4.74	20		
Ethylbenzene	4.77	0.0250	5.00	0.0291	94.8	61-133	4.60	20		
Toluene	5.08	0.0250	5.00	0.0561	101	61-130	4.42	20		
o-Xylene	4.91	0.0250	5.00	0.0432	97.3	63-131	4.57	20		
p,m-Xylene	9.79	0.0500	10.0	0.0737	97.2	63-131	4.58	20		
Total Xylenes	14.7	0.0250	15.0	0.117	97.2	63-131	4.58	20		
Surrogate: 4-Bromochlorobenzene-PID	9.49		8.00		119	70-130				


## QC Summary Data

		QC D	uIIIII	ary Data	a				
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743		Project Name: Project Number: Project Manager:	2	.H- Operating - 2055-0001 .indsey Nevels		t B34			<b>Reported:</b> 6/7/2022 3:51:45PM
	Noi	nhalogenated C	Organics	by EPA 80	15D - GI	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec %	Rec Limits	RPD	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	70	%	%	70	Indies
Blank (2223057-BLK1)							Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			
LCS (2223057-BS2)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			
Matrix Spike (2223057-MS2)				Source:	E206011-(	01	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	70.4	20.0	50.0	ND	141	70-130			M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130			
Matrix Spike Dup (2223057-MSD2)				Source:	E206011-(	01	Prepared: 0	6/03/22 A	analyzed: 06/06/22
Gasoline Range Organics (C6-C10)	69.5	20.0	50.0	ND	139	70-130	1.20	20	M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

## **QC Summary Data**

		QU DI	u 111 111	ary Data	•				
T- Squared Energy 1057 County Road 309		Project Name: Project Number:		LH- Operating - 22055-0001	H-E Wes	t B34			Reported:
Orange Grove TX, 78372-9743		Project Manager:	]	Lindsey Nevels					6/7/2022 3:51:45PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223065-BLK1)							Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			
LCS (2223065-BS1)							Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Diesel Range Organics (C10-C28)	495	25.0	500		99.0	38-132			
Surrogate: n-Nonane	58.0		50.0		116	50-200			
Matrix Spike (2223065-MS1)				Source: I	E <b>206010</b> -	02	Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Diesel Range Organics (C10-C28)	4190	1250	500	4780	NR	38-132			M4
Surrogate: n-Nonane	102		50.0		204	50-200			<i>S5</i>
Matrix Spike Dup (2223065-MSD1)				Source: I	E206010-	02	Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Diesel Range Organics (C10-C28)	5190	1250	500	4780	81.5	38-132	21.3	20	R3
Surrogate: n-Nonane	102		50.0		203	50-200			S5



## **QC Summary Data**

			-		-				
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743		Project Name: Project Number: Project Manager	2	LH- Operating - 22055-0001 Lindsey Nevels		t B34			<b>Reported:</b> 6/7/2022 3:51:45PM
		Anions	by EPA	300.0/9056A	1				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223058-BLK1)							Prepared: 0	6/03/22 A	analyzed: 06/03/22
Chloride	ND	20.0							
LCS (2223058-BS1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Chloride	271	20.0	250		109	90-110			
LCS Dup (2223058-BSD1)							Prepared: 0	6/03/22 A	analyzed: 06/06/22
Chloride	242	20.0	250		96.9	90-110	11.4	20	

QC Summary Report Comment:

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



## **Definitions and Notes**

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	Reported:
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:51

- H3 Due to laboratory error, sample analysis was performed past holding time.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- Note (1): Methods marked with ** are non-accredited methods.

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



ent: T-Squared Energy oject: Ut Operativity - HE West B mpler:/wdsus Newclos none: 432-241-2450	لينباسب			RUSH?	Lab Use Only	Analysis and Method				lab	lab Only	
oject: Ut opplatulon - HE West B	34			1d	Lab WO#						Y/N	
mpler: (INdsus Nevels	4 5 1	1.1		3d	PEZOLODIZ			2		1	v (s)	
ione: 432 - 2111 - 2480	_	_			Job Number	8015			300.0	mbe	Prsn	
nail(s): (MOSUMOTSZUARED ENERG oject Manager: MUCSUM NUUS	ng. C	on	1	Pag	22055-0001	þ	) õõ	418.1	by 30	Lab Number	Cont/Prsrv (s)	
0			Sample		Containers	GRO/DRO	BTEX by a	à	Chloride		Correct	
Sample ID	Samp	ole Date	Time	Matrix	QTY - Vol/TYPE/Preservative	GRO	BTE	TPH	Chic		Co	
21 - Surf	05/2	3/22				8	8	e	CK	1		
21- Surt +21-1'						9				2		
HZZ- surf		5			<u>.</u>	5	$\smallsetminus$	?(		3		
HZ2- surf HZ2- 1'						5				4		
tz3-s-F			j.			K				5		
123-5-F 123-5-1 124-3-1 124-5-1 124-1						R				6		
z4-swf						K	1			7		
124-1				1		5				8		
425-Surf 1425-1		1		aler -		2	5		X	9		
HZ5-1'			9			1	1			10		
Relinquished by: (Signature) Date Time	1the	3	d by: (Signa			Recei	ived	on Ico	Lab Use Only			
Relinquished by: (Signature) Date Time	Car	Received	d by: (Signa	ture		/G Te			T2 1	Т3	_	
mple Matrix: 3 - Seif, 50 - Solid, Sg - Sludge, A - Aqueous, O - Other Samples requiring thermal preservation must be received on ice the day	thou are c	amplad	ar received p	acked in ice					/plastic, <b>ag</b> - amber	glass, v - VOA	4	
Sample(s) dropped off after hours to a secure drop off area.	arey are s	ampied (		f Custody	the second s	c on su	nsedne	ant day				
Analytical Laboratory		5796 US I	Highway 64, Farmi	ington, NM 87401	Ph (505) 632	0615 Fx	(505) 632	1865		envirotech	-inc.con	
Analytical Laboratory		second biomics works	rings • 65 Mercado		Durango, (0 81301 Ph (970) 259					laboratory@envirotech		

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## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	T- Squared Energy	Date Received:	06/01/22 1	0:45	Work Order ID: E206012
Phone:	(432) 241-2480 E	Date Logged In:	06/01/22 1	1:30	Logged In By: Caitlin Christian
Email:	lindsey@tsquaredenergy.com	Due Date:	06/07/22 1	7:00 (4 day TAT)	
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location match	the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: U	PS
4. Was th	ne COC complete, i.e., signatures, dates/times, requeste	d analyses?	No	_	
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		<u>Comments/Resolution</u>
Sample '	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and Matrix not provided on
Sample	<u>Cooler</u>				COC.
7. Was a	sample cooler received?		Yes		
8. If yes,	was cooler received in good condition?		Yes		
9. Was th	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	С		
	<u>Container</u>	· · · · ·	_		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
	appropriate volume/weight or number of sample container	s collected?	Yes		
Field La	ibel				
20. Were	e field sample labels filled out with the minimum inform	nation:			
5	Sample ID?		Yes		
	Date/Time Collected?		No	L	
	Collectors name?		No		
	<u>Preservation</u> s the COC or field labels indicate the samples were pres	amiad?	N-		
			No NA		
	sample(s) correctly preserved? o filteration required and/or requested for dissolved met	als?	NA No		
		~~~J 1	110		
	ase Sample Matrix	n	27		
	s the sample have more than one phase, i.e., multiphase $\frac{1}{2}$		No		
∠1. II yes	s, does the COC specify which phase(s) is to be analyze	507	NA		
	ract Laboratory				
28. Are s	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA	Subcontract Lab	

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



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

T- Squared Energy

Project Name: LH- Operating - H-E West B34

Work Order: E206013

Job Number: 22055-0001

Received: 6/1/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/7/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise. Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported. Envirotech Inc, holds the Texas TNI certification T104704557 for data reported. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979) Date Reported: 6/7/22

Lindsey Nevels 1057 County Road 309 Orange Grove, TX 78372-9743

Project Name: LH- Operating - H-E West B34 Workorder: E206013 Date Received: 6/1/2022 10:45:00AM

Lindsey Nevels,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/1/2022 10:45:00AM, under the Project Name: LH- Operating - H-E West B34.

The analytical test results summarized in this report with the Project Name: LH- Operating - H-E West B34 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample	Summary
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		Sample Sum	mary				
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743	Project Name: Project Number 3 Project Manage		LH- Operating - H 22055-0001 Lindsey Nevels	-E West B34	Reported: 06/07/22 15:53		
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
HZ6 - Surf	E206013-01A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.		
HZ6 - 1'	E206013-02A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.		
HZ7 - Surf	E206013-03A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.		
HZ7 - 1'	E206013-04A	Soil	05/23/22	06/01/22	Glass Jar, 4 oz.		



		mpic D					
T- Squared Energy	Project Name:	LH-	Operating -	- H-E W	est B34		
1057 County Road 309	Project Numbe	r: 2203	55-0001				Reported:
Orange Grove TX, 78372-9743	Project Manage	er: Lind	lsey Nevels				6/7/2022 3:53:35PM
]	HZ6 - Surf					
]	E206013-01					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	mg/kg Analyst: RKS				Batch: 2223059
Benzene	ND	0.0250	1	1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250	1	1	06/03/22	06/06/22	H3
Toluene	ND	0.0250	1	1	06/03/22	06/06/22	H3
p-Xylene	ND	0.0250	1	1	06/03/22	06/06/22	H3
p,m-Xylene	ND	0.0500	1	1	06/03/22	06/06/22	H3
Total Xylenes	ND	0.0250	1	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		93.8 %	70-130		06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/22	06/06/22	
Surrogate: Toluene-d8		99.6 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:]	RKS		Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		93.8 %	70-130		06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/22	06/06/22	
Surrogate: Toluene-d8		99.6 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	mg/kg Analyst: AK			Batch: 2223066	
Diesel Range Organics (C10-C28)	ND	25.0	1	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	06/03/22	06/03/22	
Surrogate: n-Nonane		98.9 %	50-200		06/03/22	06/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:]	RAS		Batch: 2223061
Chloride	ND	20.0	1	1	06/03/22	06/06/22	

Sample Data



Sampl	le Data	
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		ample D	ลเล				
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743	Project Nam Project Num Project Mana	ber: 2205	Operating 55-0001 Isey Nevel		Vest B34		Reported: 6/7/2022 3:53:35PM
		HZ6 - 1'					
		E206013-02					
Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	mg/kg Analyst: RKS				Batch: 2223059
Benzene	ND	0.0250		1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250		1	06/03/22	06/06/22	H3
Toluene	ND	0.0250		1	06/03/22	06/06/22	H3
o-Xylene	ND	0.0250		1	06/03/22	06/06/22	H3
o,m-Xylene	ND	0.0500		1	06/03/22	06/06/22	H3
Fotal Xylenes	ND	0.0250		1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		97.1 %	70-130		06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/03/22	06/06/22	
Surrogate: Toluene-d8		99.1 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	RKS		Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/22	06/06/22	Н3
Surrogate: Bromofluorobenzene		97.1 %	70-130		06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		06/03/22	06/06/22	
Surrogate: Toluene-d8		99.1 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	AK		Batch: 2223066
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/22	06/03/22	
Dil Range Organics (C28-C36)	ND	50.0		1	06/03/22	06/03/22	
Surrogate: n-Nonane		99.7 %	50-200		06/03/22	06/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	RAS		Batch: 2223061
Chloride	ND	20.0		1	06/03/22	06/06/22	



	N.	bample D	ata			
T- Squared Energy 1057 County Road 309	Project Name Project Num	ber: 220	Operating - H-E 55-0001	West B34		Reported:
Orange Grove TX, 78372-9743	Project Mana	ager: Lind	lsey Nevels			6/7/2022 3:53:35PM
		HZ7 - Surf				
		E206013-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2223059
Benzene	ND	0.0250	1	06/03/22	06/06/22	Н3
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	Н3
Toluene	ND	0.0250	1	06/03/22	06/06/22	Н3
p-Xylene	ND	0.0250	1	06/03/22	06/06/22	Н3
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	Н3
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	H3
Surrogate: Bromofluorobenzene		96.0 %	70-130	06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/03/22	06/06/22	
Surrogate: Toluene-d8		99.9 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	Н3
Surrogate: Bromofluorobenzene		96.0 %	70-130	06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	06/03/22	06/06/22	
Surrogate: Toluene-d8		99.9 %	70-130	06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: AK		Batch: 2223066
Diesel Range Organics (C10-C28)	80.2	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/03/22	
Surrogate: n-Nonane		100 %	50-200	06/03/22	06/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2223061
Chloride	40.5	20.0	1	06/03/22	06/06/22	

Sample	Data
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	3	ample D	ลเล				
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743	Project Name Project Numl Project Mana	ber: 2203	Operating 55-0001 Isey Nevels		Vest B34		Reported: 6/7/2022 3:53:35PM
		HZ7 - 1'					
		E206013-04					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2223059
Benzene	ND	0.0250		1	06/03/22	06/06/22	H3
Ethylbenzene	ND	0.0250		1	06/03/22	06/06/22	Н3
oluene	ND	0.0250		1	06/03/22	06/06/22	Н3
-Xylene	ND	0.0250		1	06/03/22	06/06/22	H3
,m-Xylene	ND	0.0500		1	06/03/22	06/06/22	Н3
Total Xylenes	ND	0.0250		1	06/03/22	06/06/22	Н3
Surrogate: Bromofluorobenzene		97.7 %	70-130		06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		06/03/22	06/06/22	
urrogate: Toluene-d8		99.3 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2223059
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/22	06/06/22	Н3
Surrogate: Bromofluorobenzene		97.7 %	70-130		06/03/22	06/06/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		06/03/22	06/06/22	
urrogate: Toluene-d8		99.3 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AK		Batch: 2223066
Diesel Range Organics (C10-C28)	37.7	25.0		1	06/03/22	06/03/22	
Dil Range Organics (C28-C36)	ND	50.0		1	06/03/22	06/03/22	
urrogate: n-Nonane		95.1 %	50-200		06/03/22	06/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2223061
Chloride	90.6	20.0		1	06/03/22	06/06/22	



QC Summary Data

		_		ry Data					
T- Squared Energy		Project Name:		I- Operating -	H-E West	t B34			Reported:
1057 County Road 309		Project Number:	22	055-0001					
Orange Grove TX, 78372-9743		Project Manager:	Li	ndsey Nevels				6/	7/2022 3:53:35PM
	ľ	Volatile Organic	Compo	unds by EP	A 8260I	3			Analyst: RKS
Analyte		Reporting	Spike	Source		Rec		RPD	
2	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223059-BLK1)							Prepared: 00	6/03/22 Ana	yzed: 06/06/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			
LCS (2223059-BS1)							Prepared: 00	6/03/22 Ana	yzed: 06/06/22
Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.79	0.0250	2.50		112	70-130			
Toluene	2.72	0.0250	2.50		109	70-130			
o-Xylene	2.79	0.0250	2.50		111	70-130			
o,m-Xylene	5.50	0.0500	5.00		110	70-130			
Total Xylenes	8.29	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.518		0.500		104	70-130			
Matrix Spike (2223059-MS1)				Source: l	E206013-(01	Prepared: 00	6/03/22 Ana	yzed: 06/06/22
Benzene	2.96	0.0250	2.50	ND	118	48-131			
Ethylbenzene	3.04	0.0250	2.50	ND	121	45-135			
Toluene	2.94	0.0250	2.50	ND	118	48-130			
o-Xylene	3.02	0.0250	2.50	ND	121	43-135			
o,m-Xylene	5.98	0.0500	5.00	ND	120	43-135			
Total Xylenes	9.00	0.0250	7.50	ND	120	43-135			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
				~ -	F206012 /	01	Prepared: 00	6/03/22 Anal	yzed: 06/06/22
Matrix Spike Dup (2223059-MSD1)				Source: 1	E200013-				-
Matrix Spike Dup (2223059-MSD1) Benzene	2.82	0.0250	2.50	ND Source: I	113	48-131	4.83	23	-
	2.82 2.88	0.0250 0.0250	2.50 2.50						·
Benzene				ND	113	48-131	4.83	23	<u>.</u>
Benzene Sthylbenzene	2.88	0.0250	2.50	ND ND	113 115	48-131 45-135	4.83 5.10	23 27	-
Benzene Ethylbenzene Foluene	2.88 2.80	0.0250 0.0250	2.50 2.50	ND ND ND	113 115 112	48-131 45-135 48-130	4.83 5.10 4.94	23 27 24	<u>.</u>
Benzene Sthylbenzene Foluene I-Xylene	2.88 2.80 2.91	0.0250 0.0250 0.0250	2.50 2.50 2.50	ND ND ND ND	113 115 112 116	48-131 45-135 48-130 43-135	4.83 5.10 4.94 3.80	23 27 24 27	<u>.</u>
Benzene Sthylbenzene Foluene S-Xylene o,m-Xylene	2.88 2.80 2.91 5.70	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00	ND ND ND ND ND	113 115 112 116 114	48-131 45-135 48-130 43-135 43-135	4.83 5.10 4.94 3.80 4.78	23 27 24 27 27 27	·
Senzene Sthylbenzene Foluene S-Xylene o,m-Xylene Fotal Xylenes	2.88 2.80 2.91 5.70 8.60	0.0250 0.0250 0.0250 0.0500	2.50 2.50 2.50 5.00 7.50	ND ND ND ND ND	113 115 112 116 114 115	48-131 45-135 48-130 43-135 43-135 43-135	4.83 5.10 4.94 3.80 4.78	23 27 24 27 27 27	<u> </u>



QC Summary Data

RPD Limit	Reported: 6/7/2022 3:53:35PM Analyst: RKS
	Analyst: RKS
Linn	
%	Notes
06/03/22 A	Analyzed: 06/06/22
06/03/22 A	Analyzed: 06/06/22
06/03/22 A	Analyzed: 06/06/22
06/03/22 A	Analyzed: 06/06/22
20	
	% 06/03/22 / 06/03/22 / 06/03/22 /



QC Summary Data

				ary Date					
T- Squared Energy 1057 County Road 309		Project Name: Project Number:	2	LH- Operating - 22055-0001		t B34			Reported: 6/7/2022 3:53:35PM
Orange Grove TX, 78372-9743		Project Manager:	I	Lindsey Nevels					6///2022 3:53:35PM
	Nonha	alogenated Org	anics by	7 EPA 8015I) - DRO	/ORO			Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223066-BLK1)							Prepared: 0	6/03/22 A	analyzed: 06/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.8		50.0		104	50-200			
LCS (2223066-BS1)							Prepared: 0	6/03/22 A	analyzed: 06/03/22
Diesel Range Organics (C10-C28)	485	25.0	500		96.9	38-132			
Surrogate: n-Nonane	49.3		50.0		98.7	50-200			
Matrix Spike (2223066-MS1)				Source:	E206013-	02	Prepared: 0	6/03/22 A	analyzed: 06/03/22
Diesel Range Organics (C10-C28)	406	25.0	500	ND	81.2	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			
Matrix Spike Dup (2223066-MSD1)				Source:	E206013-	02	Prepared: 0	6/03/22 A	analyzed: 06/03/22
Diesel Range Organics (C10-C28)	500	25.0	500	ND	99.9	38-132	20.7	20	R3
Surrogate: n-Nonane	51.7		50.0		103	50-200			



QC Summary Data

		QU D	umm	ary Date					
T- Squared Energy 1057 County Road 309 Orange Grove TX, 78372-9743		Project Name: Project Number: Project Manager:	,	LH- Operating · 22055-0001 Lindsey Nevels		t B34			Reported: 6/7/2022 3:53:35PM
		Anions	by EPA	300.0/90564	۱				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2223061-BLK1)							Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Chloride	ND	20.0							
LCS (2223061-BS1)							Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2223061-MS1)				Source:	E206013-	01	Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2223061-MSD1)				Source:	E206013-	01	Prepared: 0	6/03/22 A	nalyzed: 06/06/22
Chloride	253	20.0	250	ND	101	80-120	0.644	20	

QC Summary Report Comment:

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



Definitions and Notes

T- Squared Energy	Project Name:	LH- Operating - H-E West B34	
1057 County Road 309	Project Number:	22055-0001	Reported:
Orange Grove TX, 78372-9743	Project Manager:	Lindsey Nevels	06/07/22 15:53

H3 Due to laboratory error, sample analysis was performed past holding time.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Client: T-Squared Energy Project: CH. Operating HE West B:			RUSH?	La	b Use Only			An	alysis a	and Meth	od	lab	Only
Project: CH. ORVATING HE WAST BE	34		1d		Lab WO#		T						Z
Sampler: Muchay Murels	2.0		3d	PER	06013								(s) γ
Phone: 4322412480					b Number	115			0.			ab Number	rsrv
	m		1	2205	55-000		57	н.	300			Nun	nt/P
Email(s): Ludsußtrauldenagg, ac Project Manager: Ludmin neue)	00	Page			- Q	/ 80	418	e by			Lab	t Coi
Sample ID	Sample Date	Sample Time	Matrix		ntainers YPE/Preservativ	GRO/DRO by 8015	ВТЕХ by 8021	TPH by 418.1	Chloride by 300.0				Correct Cont/Prsrv (s) Y/N
Hilo-surf	0/23/22					R	200	e	l			1	
Hele-1	13/23/22					L	e	e	_			2	
HzM-such HZM-1	5/23/22					C	l	l	ej			3	
HZ7-1	5/3/A					C	e	C	\bigcirc			4	
			1 de la										
			S.										
			198										
	1. 1.3												
Relinquished by: (Signature) Date Time	Received	by: (Signat	ture)	Date 5.31.22	Time	**Rece	eived	on lo	-	Use On	ly		
Relinquished by: (Signature) Date Time	Redeived	by: (Signa	ture)	6/1/2	Time	T1 AVG Te		,	T2_		r	3	_
Sample Matrix: 9 - Soji, St - Solid, Sg - Sludge, A - Aqueous, O - Other					Container Typ			- +	//plast	ic, ag - ar	nber glass,	v - VOA	4
**Samples requiring thermal preservation must be received on ice the day t	hey are sampled o					n 6 °C on si	ubsequ	ent da	iys.		1		
Sample(s) dropped off after hours to a secure drop off area.		Chain of	f Custody	Notes/Billir	ng info:								
Benvirotech			ngton, NM 87401		a series of the series of the series of the series	632-0615 Fx						envirotech	
Analytical Laboratory	Three Sprin		Street, Suite 115, 1 14 of 15	Durango, CO 81301	Ph (970)	259-0615 Fr	(800) 362	-18/9			laboratory	Senvirotech	inc.com

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

lient:	T- Squared Energy	Date Received:	06/01/22	10:45	Work Order ID: E206013
Phone:	(432) 241-2480	Date Logged In:	06/01/22	11:31	Logged In By: Caitlin Christian
Email:	lindsey@tsquaredenergy.com	Due Date:	06/07/22	17:00 (4 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location mate	h the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: U	JPS
4. Was t	he COC complete, i.e., signatures, dates/times, request	ed analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes		Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did th	he COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled and Matrix not provided on
Sample	Cooler				COC.
7. Was a	a sample cooler received?		Yes		
8. If yes	, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes		
13. If no	o visible ice, record the temperature. Actual sample t	emperature: 4°	с		
	Container	·			
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
19. Is the	e appropriate volume/weight or number of sample contained	ers collected?	Yes		
Field La	abel				
20. Were	e field sample labels filled out with the minimum infor	mation:			
	Sample ID?		Yes		
	Date/Time Collected?		No	· ·	
	Collectors name?		No		
-	<u>Preservation</u> s the COC or field labels indicate the samples were pre-	served?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved me	etals?	No		
	nase Sample Matrix				
-	s the sample have more than one phase, i.e., multiphase	e?	No		
	es, does the COC specify which phase(s) is to be analyzed		No NA		
27. II ye	tract Laboratory		INA		
Subcon	Hart Laboratory				
	samples required to get sent to a subcontract laboratory	v?	No		
28. Are	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if		No NA	Subcontract Lab	י חא

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



envirotech Inc.

Attachment V

NMOCD Form C-141 Remediation Pages



Oil and Water Spill Volume Spreadshe	et	Calculator	Updated	9/4/2013	
INPUT FIELDS OUTPUT RESULT					
Location: H E West B 34 GPS Coordinates: Spill Date: Spill Time:		-			
		1			
Length of Spill= Width of Spill=		feet feet			
Width of Spill= Saturation (or depth) of Spill=					
Width of Spill= Saturation (or depth) of Spill= OR		feet inches			Use only of
Width of Spill= Saturation (or depth) of Spill= OR Area=	2,228.00	feet inches ft ²		(Use only of method
Width of Spill= Saturation (or depth) of Spill= OR Area= Saturation (or depth) of Spill=		feet inches			
Width of Spill= Saturation (or depth) of Spill=		feet inches ft ²			

Oil Cut=	1.00 % Oil
Porosity Factor=	0.03
Soil Volume=	137.53 yd ³
Total Oil in Soil=	0.20 barrels
Total Produced Water in Soil=	19.64 barrels

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mi	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

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Oil Conservation Division

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Incident ID	naPP2213229527
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?		
Did this release impact groundwater or surface water?		
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?		
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?		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?		
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No	
Are the lateral extents of the release overlying a subsurface mine?		
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No	
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
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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Oil Conservation Division

Ι	Incident ID	nAPP2213229527
Ι	District RP	
I	Facility ID	
1	Application ID	

Remediation Plan

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

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

 \boxtimes Estimated volume of material to be remediated

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

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be co	nfirmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name:	Title:	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved	
Signature:	Date:	

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		Incider	nt ID	nAPP2213229527	
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		Facility	y ID		
		Applic	ation ID		
regulations all operators are public health or the environm failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Signature:	Date	s and perform corrective ac es not relieve the operator o oundwater, surface water, h	ctions for rel of liability sl numan healt any other f	leases which may endanger hould their operations have h or the environment. In ederal, state, or local laws	
OCD Only					
Received by:		Date:			

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

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

District III

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

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: C	OGRID:	
LH Operating, LLC	329319	
	Action Number:	
Dallas, TX 75205	163061	
٩	Action Type:	
	[C-141] Release Corrective Action (C-141)	

CONDITIONS

Created By Condition Condition Date 3/3/2023 rhamlet The Remediation Plan is Conditionally Approved. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been approved.

Action 163061

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