Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
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?	>60 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
District RP	
Facility ID	
Application ID	

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

Printed Name: Jye D Hardin Title: President

Signature: Jye D. Hardin Date: 10/15/2021

email: vawenergy@vaw-energy.net Telephone: 806-771-7766

OCD Only

Received by: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
District RP	
Facility ID	
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
- ☒ 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: Joe D. Hardy Title: President

Signature: Joe D. Hardy Date: 10/15/2021

email: rawenergy@raw-energy.net Telephone: 806-771-7766

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Joe D. Hardin Title: President

Signature: Joe D Hardin Date: 10/15/2021

email: raw energy@vow-energy.net Telephone: 806-771-7766

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Tracking Number: nAPP2106246595
Amended Closure Report
Pewitt No. 1
Crude Oil Release
Lea County, New Mexico

Latitude: N 32.585529°
Longitude: W 103.164492°

LAI Project No. 21-0107-01

October 15, 2021

Prepared for:
RAW Oil & Gas, Inc.
1415 Buddy Holly Ave.
Lubbock, Texas 79401

Prepared by:
Larson & Associates, Inc.
507 North Marienfeld Street, Suite 202
Midland, Texas 79701

Mark J. Larson, P.G.
Certified Professional Geologist #10490

Robert Nelson
Sr. Geologist

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Figures

Appendices

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of RAW Oil & Gas, Inc. (RAW) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 1 for a crude oil release at the Pewitt No. 1 (Site) located in Unit I (NE/4, SE/4), Section 8, Township 20 South, Range 38 East, in Lea County, New Mexico. The geodetic position is North 32.585529° and West -103.164492°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on February 20, 2021 and occurred when the 2-inch steel circulating line froze and split during cold weather. After the line thawed the spill occurred from the split in the line and caused the oil tank to empty through the circulating line split. RAW reported that 167 barrels (bbls) of crude oil was released and 1 bbl of fluid was recovered. The affected area measures approximately 7,769 square feet. The initial C-141 was submitted to OCD District 1 on March 3, 2021 and was assigned incident number nAPP2106246595. Appendix A presents the RAW Oil & Gas, Inc. gauge sheet.

On June 3, 2021, a report titled, "Tracking Number: nAPP2106246595, Closure Report, Pewitt No. 1, Crude Oil Release, June 3, 2021" was submitted to the NMOCD requesting approval on the close the release demonstrating the release was remediated by excavating soil and analysis of confirmation soil samples. The NMOCD denied the report on August 9, 2021, due inadequate demonstration of depth to groundwater. In its denial NMOCD stated "**The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater**". Appendix A presents the closure report. Appendix B presents NMOCD communications.

On March 24, 2021, a release was discovered at the Raley A No. 1 (nAPP2109535887) located approximately 0.17 miles south of the Pewitt No.1. On September 13, 2021, Scarborough Drilling, Inc. (SDI), under LAI supervision, used an air rotary drilling rig to drill a boring to approximately 60 feet bgs about 0.20 miles southeast of the Pewitt No. 1 Site and approximately 0.17 miles east of the Raley A No. The boring was gauged with an electronic water level meter approximately 72 hours after drilling and was found dry, whereby confirming that groundwater occurs at a depth greater than 60 feet bgs. The boring was plugged with bentonite. Appendix C presents the soil boring log.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,568 feet above mean sea level (msl).
- The surface elevation gradually decreases to the southwest.
- There are no karst or surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as "Low Risk" potential.
- The soils are designated as "Ratliff-Wink Fine Sandy Loams", consisting of 4 inches of fine sandy loam, underlain by 54 inches of clay loam, in descending order.
- The surface geology is derived as colluvial deposits (Holocene to Pleistocene) derived from the Eocene-age Blackwater Draw and underlying Tertiary-age Ogallala Formations and consisting of red to gray sand, silt, and gravel deposited by slope wash, and talus.

- Groundwater occurs greater than 60 feet below ground surface (bgs) based on depth to groundwater measurements 72 hours after installing a groundwater bore (GWB-1) on September 13, 2021.

Figure 2 presents an aerial map showing the groundwater bore location.

1.3 Remediation Action Levels

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 10,000 mg/Kg

Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

2.0 CLOSURE REPORT APPROVAL REQUEST

The closure report in "Tracking Number: nAPP2106246595, Closure Report, Pewitt No. 1, Crude Oil Release, June 3, 2021" upholds the NMOCD remediation standards in Table 1 of 19.15.29 NMAC and the surface restoration requirements in 19.15.29.13 NMAC based on the depth to groundwater bore completed on September 13, 2021. RAW respectfully requests approval of the closure report proposed in the report on June 3, 2021. Appendix A presents the original closure report dated June 3, 2021.

Figures

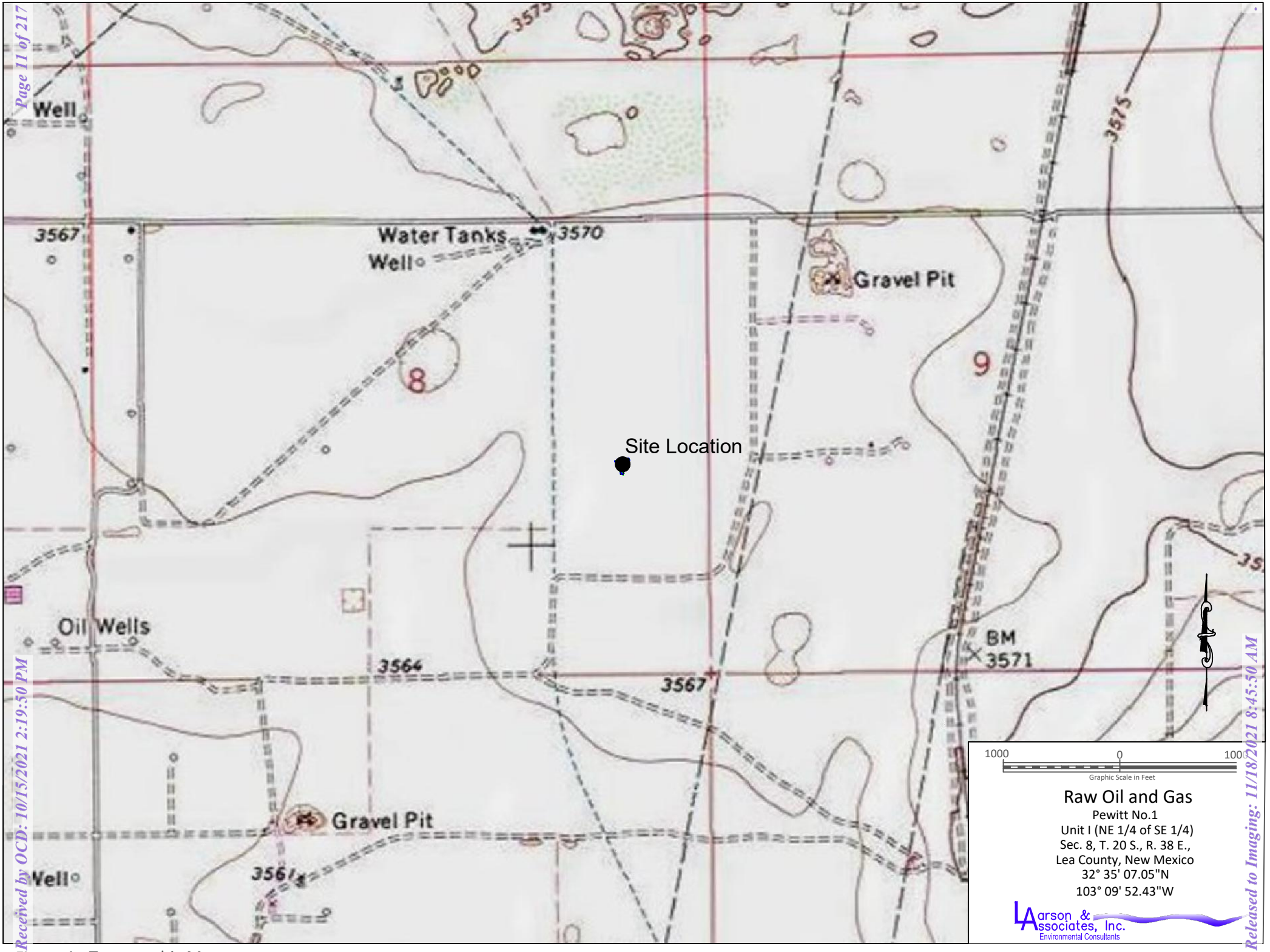

Figure 1 - Topographic Map

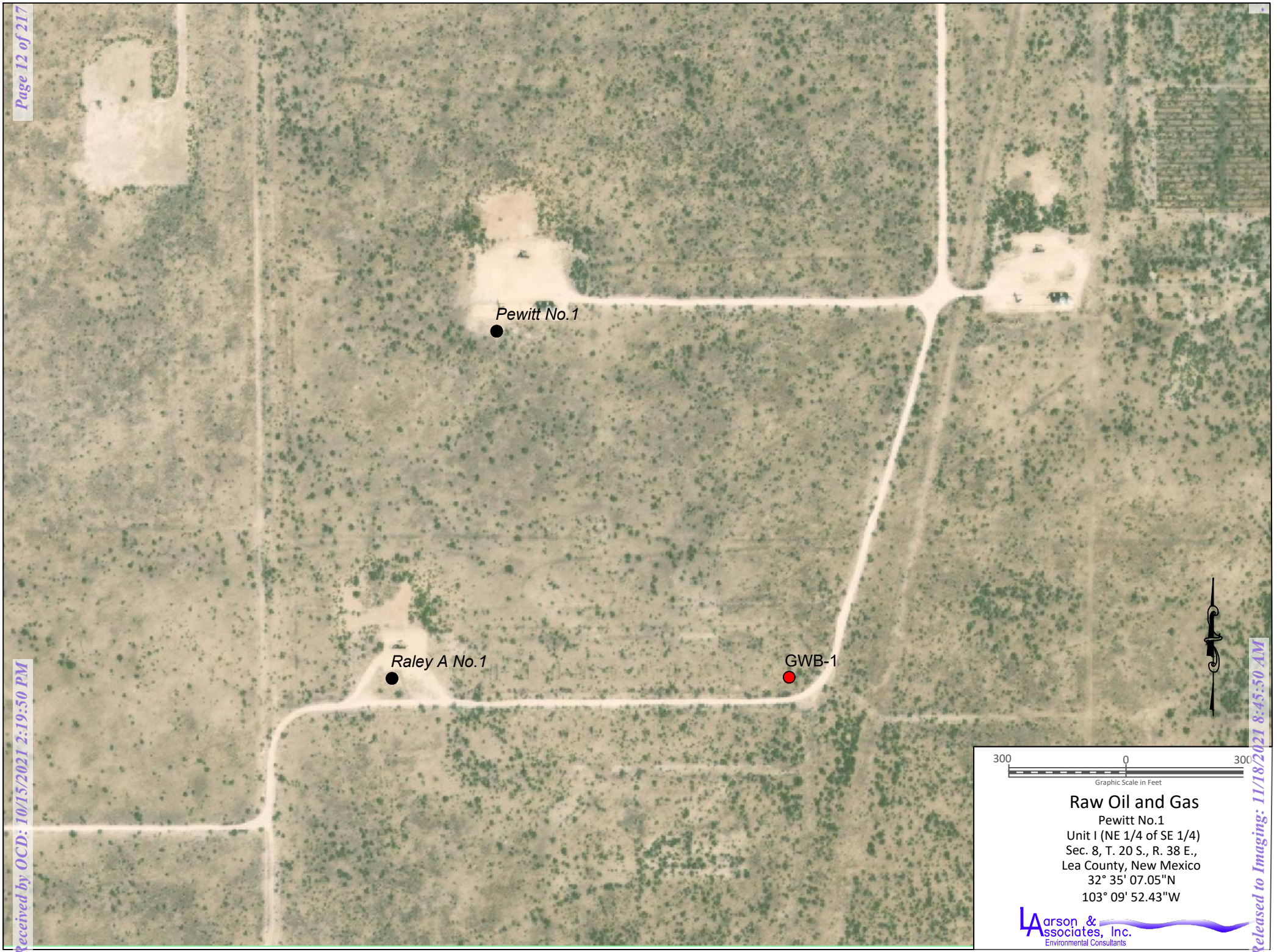

Figure 3 - Aerial Map Showing Groundwater Bore Location

Appendix A

Closure Report June 3, 2021

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Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
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?	69.5 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
District RP	
Facility ID	
Application ID	

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

Printed Name: Joey D. Hardin Title: President

Signature: Joey D. Hardin Date: 6/3/2021

email: rawenergy@raw-energy.net Telephone: 806-771-7766

OCD Only

Received by: _____ Date: _____

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State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [x] 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: Joey D. Hardin Title: President

Signature: Joey D. Hardin Date: June 3, 2021

email: rawenergy@raw-energy.net Telephone: 806-771-7766

OCD Only

Received by: _____ Date: _____

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2106246595
District RP	
Facility ID	
Application ID	

Closure

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

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

[X] A scaled site and sampling diagram as described in 19.15.29.11 NMAC

[X] 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)

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

[X] 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: Joey D. Hardin Title: President

Signature: Joey D. Hardin Date: June 3, 2021

email: rawenergy@raw-energy.net Telephone: 806-771-7766

OCD Only

Received by: Chad Hensley Date: 11/18/2021

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: Chad Hensley Date: 11/18/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

Tracking Number: nAPP2106246595
Closure Report
Pewitt No. 1
Crude Oil Release
Lea County, New Mexico

Latitude: N 32.585529°
Longitude: W -103.164492°

LAI Project No. 21-0107-01

June 3, 2021

Prepared for:
RAW Oil & Gas, Inc.
1415 Buddy Holly Ave.
Lubbock, Texas 79401

Prepared by:
Larson & Associates, Inc.
507 North Marienfeld Street, Suite 202
Midland, Texas 79701

Mark J. Larson, P.G.
Certified Professional Geologist #10490

Robert Nelson
Sr. Geoscientist

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Tables

Figures

Appendices

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI), has prepared this closure report on behalf of RAW Oil & Gas, Inc. (RAW) for submittal to the New Mexico Oil Conservation Division (OCD) District 1 for a crude oil release at the Pewitt No. 1 (Site) located in Unit I (NE/4, SE/4), Section 8, Township 20 South, Range 38 East in Lea County, New Mexico. The geodetic position is North 32.585529° and West -103.164492°. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The release was discovered on February 20, 2021 and occurred when the 2-inch steel circulating line froze and split during cold weather. After the line thawed the spill occurred from a split in the line that caused the oil tank to empty through the split in the circulating line. RAW reported that 167 barrels (bbls) of crude oil was released and 1 bbl of fluid was recovered. The affected area measures approximately 7,769 square feet. The initial C-141 was submitted to OCD District 1 on March 3, 2021 and assigned incident number nAPP2106246595. Appendix A presents the RAW Oil & Gas, Inc. gauge sheet.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 3,568 feet above mean sea level (msl).
- The surface elevation decreases to the southwest.
- There are no surface water features within 1,000 feet of the Site.
- Karst data provided by the USGS describes the Site as “Low Risk” potential.
- The soils are designated as “Ratliff-Wink Fine Sandy Loams”, consisting of 4 inches of fine sandy loam, underlain by 54 inches of a clay loam, in descending order.
- The surface geology is described as colluvial deposits (Holocene to Pleistocene) derived from the Eocene-age Blackwater Draw and underlying Tertiary-age Ogallala Formations and consisting of red to gray sand, silt, and gravel deposited by slopewash, and talus.
- Groundwater was reported at approximately 76 feet below ground surface (bgs) in 1955.
- According to the New Mexico Office of the Sate Engineer (OSE) the nearest freshwater well is located approximately 0.53 miles northwest of the Site in Section 8, Township 20 South, Range 38 East.
- On March 24, 2021, LAI personnel gauged depth to groundwater in a windmill located approximately 1.10 miles southeast of the Site reported groundwater at 69.5 feet bgs.

Figure 3 presents the windmill location. Appendix B presents the Karst Risk Potential map.

1.3 Remediation Standards

The following remediation standards are based on closure criteria for soils impacted by a release as presented in Table 1 of 19.15.29 NMAC:

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 2,500 mg/Kg
- Chloride 10,000 mg/Kg

Further, 19.15.29.13 NMAC (Restoration, Reclamation and Re-Vegetation) requires the operator to restore the impacted surface area that existed prior to the release or their final land use.

2.0 REMEDIATION

On February 21, 2021, 1st Backhoe Services, LLC (1st Backhoe) began excavating soil from the spill area measuring approximately 7,759 square feet. Soil was initially excavated to a depth of approximately five (5) feet bgs adjacent to the tank battery fence line and receding to a depth of approximately 0.5 feet bgs near the south boundary of the excavation. Approximately 860 cubic yards of contaminated soil was initially stockpiled in the excavation prior to removal to J & L Landfarm located approximately 1.45 miles northeast of the Site.

On February 24, 2021, LAI personnel collected forty-two (42) composite bottom and sidewall confirmation soil samples (C-1 through C-42) and five (5) discreet soil samples (D-1 through D-5) from areas where hydrocarbon staining was observed. Soil samples were delivered under chain of custody and preservation to Permian Basin Environmental Laboratory (PBEL) in Midland, Texas, which analyzed the samples for benzene, toluene, ethylbenzene, and xylenes (BTEX) and TPH, including gasoline range organics (C6-C12), diesel range organics (>C12-C28) and oil range organics (>C28-C35), and chloride by EPA SW-846 Methods 8021B, 8015M, and M300, respectively. Figure 2 presents an aerial map showing the sample locations. Appendix C presents the laboratory reports.

Chloride reported below the OCD remediation standard in Table 1 (19.15.29 NMAC) of 600 mg/Kg or 10,000 mg/Kg in all samples. Benzene, BTEX, and TPH exceeded the OCD remediation standard of 10 mg/Kg, 50 mg/Kg, and 100 mg/Kg or 2,500 mg/Kg, respectively, in the following samples:

Sample ID	Depth (Feet)	Benzene (mg/kg)	BTEX (mg/Kg)	TPH (mg/Kg)
C-4	4.1	--	119.25	48,460
C-6	4.1	--	--	3,058
C-7	4.1	--	--	5,968
C-8	3	--	--	2,570
C-9	3	--	--	10,140
C-10	3	--	--	597.8
C-12	2.5	--	--	196.3
C-13	2.5	--	--	167.7
C-15	2	--	--	194.9
C-16	2	--	--	234.7
C-18	1.5	--	--	754.6
C-24	0.5	--	--	432.4
C-25	0.5	--	--	135.5
C-26	1.5	--	--	689
C-27	1.5	--	--	1,415.8
C-28	1.5	--	--	2,942
C-29	1.5	--	--	1,069.1
C-30	0-1.5	--	--	22,000
C-32	0-0.5	--	--	1,709.8

C-33	0-2	--	--	271
C-38	0-4.1	--	--	2,415.1
C-39	0-5	--	--	392
D-1	4.1	--	110.76	58,600
D-2	3	22.8	457.3	71,620
D-3	2.5	28.2	516.3	137,600
D-4	0.5	12.9	427.4	78,670
D-5	0-5	--	315.73	74,990

Between February 24th and March 24th, 2021, 1st Backhoe excavated an additional 1 to 2.6 feet of contaminated soil encompassing sample locations (C-4, C-6, C-7 through C-10, C-12, C-13, C-15, C-16, C-18, C-24 through C-29, and D-1 through D-4). Also, an additional two (2) feet was excavated from the sidewalls encompassing sample locations (C-30, C-32, C-33, C-38, C-39, and D-5). Approximately 280 cubic yards of impacted material was removed and hauled to J & L Landfarm. Subsequent confirmation soil samples reported five (5) bottom (C-15, C-18, C-24, C-25, and D-4) and two (2) sidewalls (C-32 and C-39) above the OCD remediation standards for TPH listed in Table 1 (19.15.29 NMAC).

On April 20, 2021, 1st Backhoe excavated an additional 1 to 2.6 feet of contaminated soil from the bottom encompassing sample locations (C-15, C-18, C-24, and D-4) and an additional one (1) foot of soil from the sidewalls encompassing sample locations (C-32 and C-39). Approximately 40 yards of impacted material was removed and hauled to J & L Landfarm. Laboratory analysis of these samples reported one (1) location (C-39) above the OCD closure criteria.

On May 5, 2021, 1st Backhoe excavated an additional two (2) feet of soil from the sidewall encompassing sample location C-39. Subsequent laboratory analysis indicated all sample locations below the NMOCD remediation standards for benzene, BTEX and TPH in Table 1 (19.15.29 NMAC) for groundwater between 50 and 100 feet bgs. LAI personnel collected four (4) composite samples of clean caliche from the landowner's burrow pit. Benzene, BTEX, and TPH were below the analytical method reporting limit and chloride was less than 600 mg/Kg in the backfill composite samples. Upon OCD approval of the Closure Report, RAW will complete the backfill of the excavation and seed the area according to landowner specifications. Table 1 presents the confirmation soil analytical data summary. Figure 2 presents the excavations and confirmation sample locations. Appendix D presents the waste manifest invoices. Appendix E presents photographs.

3.0 CLOSURE REQUEST

RAW Oil and Gas, Inc., requests approval to backfill the excavation, seed and submit the final closure report for incident nAPP2106246595.

Tables

Table 1
Confirmation Soil Sample Analytical Data Summary
RAW Oil and Gas, Pewitt No. 1
Lea County, New Mexico
North 32.585861° West -103.164246°

Sample ID	Location	Depth (feet)	Collection Date	Status	Benzene (mg/Kg)	BTEX (mg/Kg)	C6 - C12 (mg/Kg)	C12 - C28 (mg/Kg)	C28 - C35 (mg/Kg)	TPH (mg/Kg)	Chloride (mg/Kg)
RAL:					**10**	**50**				**100 / 2,500**	**600 / 10,000**
C-1	Bottom	5	2/24/2021	In-Situ	0.00167	0.0686	40.6	551	88.2	679.8	12.1
C-2	Bottom	5	2/24/2021	In-Situ	0.00314	0.04345	66.0	1,200	210	1,476	5.57
C-3	Bottom	4.1	2/24/2021	In-Situ	0.00147	0.17797	<26.3	169	30.5	199.5	10.5
C-4	Bottom	4.1	2/24/2021	Excavated	6.25	**119.95**	7,960	35,100	5,580	**48,460**	9.09
		5	3/24/2021	In-Situ	<0.00102	<0.00102	<25.5	129	30.1	159	18.2
C-5	Bottom	4.1	2/24/2021	In-Situ	0.00217	0.05911	<26.0	792	120	912	4.73
C-6	Bottom	4.1	2/24/2021	Excavated	0.0226	0.8496	269	2,460	329	**3,058**	22.2
		5	3/24/2021	In-Situ	<0.00102	0.00876	<25.5	741	153	894	80.4
C-7	Bottom	4.1	2/24/2021	Excavated	0.00788	0.35018	408	4,840	720	**5,968**	9.81
		5	3/24/2021	In-Situ	<0.00102	<0.00102	<25.2	403	88.3	491	10.3
C-8	Bottom	3	2/24/2021	Excavated	0.00318	0.14078	116	2,110	344	**2,570**	<1.04
		4.1	3/24/2021	In-Situ	<0.00102	0.0324	26.4	339	76.3	442	<1.02
C-9	Bottom	3	2/24/2021	Excavated	0.123	8.73	1,000	8,100	1,040	**10,140**	<1.04
		4.1	3/24/2021	In-Situ	0.00829	9.40129	434	1,140	210	1,780	<1.03
C-10	Bottom	3	2/24/2021	Excavated	<0.00105	0.2467	33.9	498	65.9	**597.8**	<1.05
		4.1	3/24/2021	In-Situ	<0.00103	0.01199	<25.8	228	63.9	292	<1.03
C-11	Bottom	3	2/24/2021	In-Situ	<0.00104	0.02234	<26.0	79.2	<26.0	79.2	8.44
C-12	Bottom	2.5	2/24/2021	Excavated	0.00634	0.09598	<26.0	169	27.3	**196.3**	10.4
		4.1	3/24/2021	In-Situ	<0.00102	<0.00102	<25.5	107	25.8	133	2.7
C-13	Bottom	2.5	2/24/2021	Excavated	0.00326	0.09866	<26.0	131	36.7	**167.7**	<1.04
		4.1	3/24/20201	In-Situ	<0.00103	0.00118	<25.8	101	26.2	127	<1.03
C-14	Bottom	2.5	2/24/2021	In-Situ	0.00335	0.25165	<26.6	63.6	<26.6	63.6	<1.06
C-15	Bottom	2	2/24/2021	Excavated	<0.00106	<0.00637	<26.6	162	32.9	**194.9**	<1.06
		3	3/24/2021	Excavated	<0.00102	0.00795	<25.5	167	49.4	**216**	<1.02
		4.1	4/21/2021	In-Situ	0.00104	0.02508	<26.0	<26.0	<26.0	<26.0	<1.04
C-16	Bottom	2	2/24/2021	Excavated	0.00292	0.14652	27.7	207	<26.3	**234.7**	2.31
		3	3/24/2021	In-Situ	<0.00102	<0.00102	<25.5	<25.5	<25.5	<25.5	<1.02
C-17	Bottom	1.5	2/24/2021	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	<1.02
C-18	Bottom	1.5	2/24/2021	Excavated	0.00507	0.342424	70.0	612	72.6	**754.6**	<1.03
		2.5	3/24/2021	Excavated	<0.00103	<0.00103	<25.8	171	58.2	**229**	14.8

Table 1
Confirmation Soil Sample Analytical Data Summary
RAW Oil and Gas, Pewitt No. 1
Lea County, New Mexico
North 32.585861° West -103.164246°

		4.1	4/21/2021	In-Situ	0.00153	0.20133	<25.8	<25.8	<25.8	<25.8	<1.03
C-19	Bottom	1	2/24/2021	In-Situ	0.00346	0.40626	<25.8	46.1	<25.8	46.1	<1.03
C-20	Bottom	1	2/24/2021	In-Situ	0.00216	0.07694	<25.8	53.5	34.8	88.3	<1.03
C-21	Bottom	0.5	2/24/2021	In-Situ	<0.00102	<0.00612	<25.5	<25.5	<25.5	<25.5	2.54
C-22	Bottom	0.5	2/24/2021	In-Situ	<0.00103	<0.00618	<25.8	<25.8	<25.8	<25.8	<1.03
C-23	Bottom	0.5	2/24/2021	In-Situ	<0.00102	<0.00612	<25.5	66.8	<25.5	66.8	36.3
C-24	Bottom	0.5	2/24/2021	Excavated	0.00489	0.35949	32.7	329	70.7	**432.4**	<1.01
		1.5	3/24/2021	Excavated	0.00115	0.12701	93.0	994	191	**1280**	11.5
		4.1	4/21/2021	In-Situ	0.00528	0.27348	<25.5	88.5	39.6	128	21.5
C-25	Bottom	0.5	2/24/2021	Excavated	<0.00102	0.00715	<25.5	107	28.3	**135.5**	<1.02
		1.5	3/24/20201	Excavated	<0.00102	<0.00102	<25.5	77.6	31.9	**110**	37.5
		4.1	4/21/2021	In-Situ	0.00190	0.10484	<25.8	33.9	<25.8	33.9	43.8
C-26	Bottom	1.5	2/24/2021	Excavated	<0.00105	0.06732	47.1	573	68.9	**689**	3.20
		4.1	3/24/20201	In-Situ	<0.00103	<0.00103	<25.5	221	50.7	271	17.3
C-27	Bottom	1.5	2/24/2021	Excavated	<0.00110	0.03667	44.8	1,170	201	**1,415.8**	187
		4.1	3/24/2021	In-Situ	<0.00104	<0.00104	<26.0	1340	216	1550	106
C-28	Bottom	1.5	2/24/2021	Excavated	<0.0215	7.938	377	2,240	325	**2,942**	<1.08
		4.1	3/24/2021	In-Situ	<0.00104	<0.00104	<26.0	811	161	972	75.6
C-29	Bottom	1.5	2/24/2021	Excavated	<0.00109	0.03409	67.1	886	116	**1,069.1**	73.8
		4.1	3/24/20201	In-Situ	<0.00103	<0.00103	<25.8	888.0	161	1050	199
C-30	Sidewall	0 - 1.5	2/24/2021	Excavated	0.114	27.234	4,210	15,000	2,740	**22,000**	226
			3/24/20201	In-Situ	<0.00103	0.00166	<25.8	44.8	<25.8	44.8	211
C-31	Sidewall	0 - 1.5	2/24/2021	In-Situ	<0.00106	<0.00637	<26.6	<26.6	<26.6	<26.6	2.65
C-32	Sidewall	0 - 0.5	2/24/2021	Excavated	0.00721	0.24661	49.8	1,390	270	**1,709.8**	7.46
		0 - 1.5	3/24/2021	Excavated	<0.00103	0.00264	<25.8	392	110	**502**	2.45
		0 - 4.1	4/21/2021	In-Situ	0.00103	0.0601	<25.8	<25.8	<25.8	<25.8	<1.03
C-33	Sidewall	0 - 2	2/24/2021	In-Situ	0.00522	0.03758	<25.8	202	69.0	**271**	<1.03
			3/24/2021	In-Situ	<0.00102	<0.00102	<25.5	59.1	25.6	84.6	3.90
C-34	Sidewall	0 - 1	2/24/2021	In-Situ	0.00637	0.43327	<25.8	<25.8	<25.8	<25.8	4.02
C-35	Sidewall	0 -1	2/24/2021	In-Situ	<0.00102	<0.00612	<25.5	25.5	<25.5	25.5	<1.02
C-36	Sidewall	0 - 2	2/24/2021	In-Situ	0.00210	0.2023	<25.5	<25.5	<25.5	<25.5	<1.02
C-37	Sidewall	0 - 2.5	2/24/2021	In-Situ	0.00565	0.0605	<25.8	<25.8	<25.8	<25.8	<1.03
C-38	Sidewall	0 - 4.1	2/24/2021	In-Situ	<0.00108	0.00604	66.1	1,990	359	**2,415.1**	29.6
			3/24/20201	In-Situ	<0.00104	<0.00104	<26.0	28.2	<26.0	28.2	47.8
C-39	Sidewall	0 - 5	2/24/2021	Excavated	0.00129	0.03984	<25.8	271	121	**392**	30.8
			3/24/20201	Excavated	<0.00103	<0.00103	<25.8	177.0	48.8	**226**	36.7

Table 1
Confirmation Soil Sample Analytical Data Summary
RAW Oil and Gas, Pewitt No. 1
Lea County, New Mexico
North 32.585861° West -103.164246°

			4/21/2021	Excavated	0.00452	0.21592	<26.6	126.0	66.9	**193**	13.6
			5/10/2021	In-Situ	<0.00104	<0.00104	<26.0	<26.0	<26.0	<26.0	49.1
C-40	Sidewall	0 - 5	2/24/2021	In-Situ	<0.00112	<0.00673	<28.1	39.2	<28.1	39.2	8.81
C-41	Sidewall	0 - 5	2/24/2021	In-Situ	0.00484	0.25404	<26.0	<26.0	<26.0	<26.0	3.42
C-42	Sidewall	0 - 5	2/24/2021	In-Situ	0.0102	0.10156	<26.3	<26.3	<26.3	<26.3	6.62
D-1	Bottom	4.1	2/24/2021	Excavated	4.76	**110.76**	8,130	43,500	6,970	**58,600**	5.48
		5	3/24/20201	In-Situ	<0.00103	<0.00103	<25.8	298.0	47.9	345	30
D-2	Bottom	3	2/24/2021	Excavated	**22.8**	**457.3**	15,600	47,800	8,220	**71,620**	<1.08
		4.1	3/24/2021	In-Situ	<0.00103	0.4139	<25.8	438	54.4	493	<1.03
D-3	Bottom	2.5	2/24/2021	Excavated	**28.2**	**516.3**	28,200	92,200	17,200	**137,600**	<1.10
		4.1	3/24/20201	In-Situ	<0.00103	0.2564	35	230.0	39.4	305	4.73
D-4	Bottom	0.5	2/24/2021	Excavated	**12.9**	**427.4**	14,000	55,900	8770	**78,670**	<1.05
		1.5	3/24/20201	Excavated	<0.00103	0.001123	35	1110.0	128	**1280**	<1.03
		4.1	4/21/2021	In-Situ	<0.00103	0.10146	<25.8	35.7	<25.8	35.7	<1.03
D-5	Sidewall	0 - 5	2/24/2021	Excavated	3.63	**315.73**	17,800	49,800	7,390	**74,990**	1.16
			3/24/20201	In-Situ	<0.00104	<0.00104	<26.0	52.6	<26.0	52.6	45.3
Backfill-1	--	--	5/10/2021	In-Situ	<0.00104	<0.00104	<26.0	<26.0	<26.0	<26.0	16.0
Backfill-2	--	--	5/10/2021	In-Situ	<0.00104	<0.00104	<26.0	<26.0	<26.0	<26.0	47.7
Backfill-3	--	--	5/10/2021	In-Situ	<0.00101	<0.00101	<25.3	<25.3	<25.3	<25.3	6.63
Backfill-4	--	--	5/10/2021	In-Situ	<0.00106	<0.00106	<26.6	<26.6	<26.6	<26.6	14.2

Notes: analysis performed by Permian Basin Environmental Laboratory (PBEL), Midland, Texas by EPA SW-846 Methods 8021B (BTEX) and 8015M (TPH), and Method 300 (chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

Bold and Highlighted Denotes Conetrations Above OCD Closure Criteria

Table 1
Confirmation Soil Sample Analytical Data Summary
RAW Oil and Gas, Pewitt No. 1
Lea County, New Mexico
North 32.585861° West -103.164246°

Figures

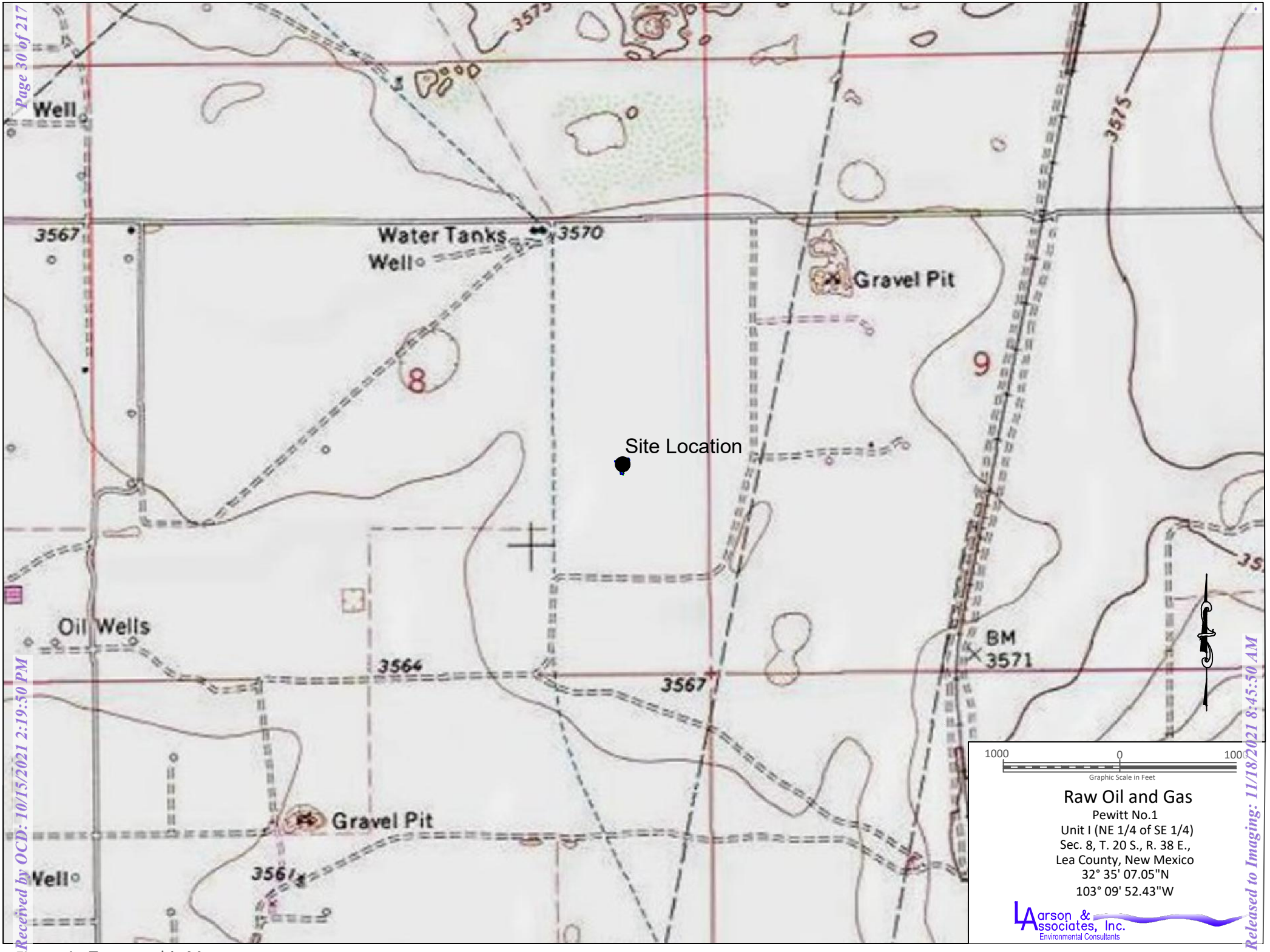

Figure 1 - Topographic Map

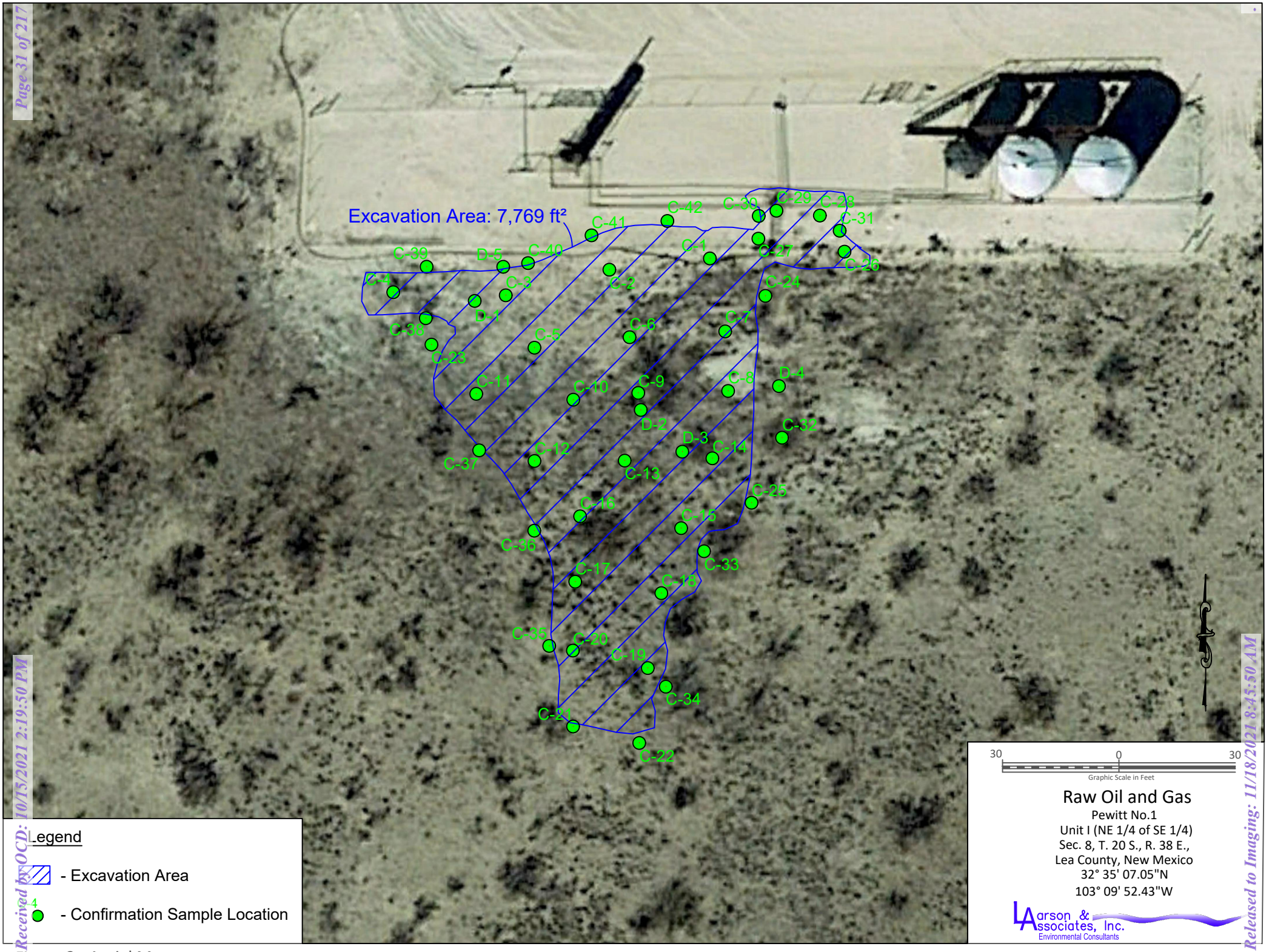

Figure 2 - Aerial Map

Figure 3 - Aerial Map Showing Water Well Location

Appendix A

RAW Oil & Gas, Inc. Gauge Sheet

Pewitt #1

	Oil								Water						
Date	Oil Tank (500 bbls) Bad		Gross BBLs	Oil Tank (500 bbls)		Gross BBLs	Oil Sales	Oil Production	Wate Tank (210 bbls)		Gross BBLS	Water Sales	Daily Water	Gas mcf	Comments
	Feet	Inches		Feet	Inches				Ft	Inches					
1/31/2021	4	10	161.82	0	0	0.00			8.00	8.00	120.64				
02/01/21	4	11	164.61			0.00		2.79	8.00	10.00	122.96		0.00	14	
02/02/21	5	0	167.40			0.00		2.79	9.00	2.00	127.60		4.64	11	
02/03/21	5	2	172.98			0.00		5.58	9.00	4.00	129.92		2.32	13	
02/04/21	5	6	184.14			0.00		11.16	9.00	6.00	132.24		2.32	13	
02/05/21	5	8	189.72			0.00		5.58	9.00	7.00	133.40		1.16	13	
02/06/21	5	9	192.51			0.00		2.79	10.00	0.00	139.20		5.80	12	
02/07/21	5	10	195.30			0.00		2.79	10.00	1.00	140.36		1.16	12	
02/08/21	5	11	198.09			0.00		2.79	10.00	3.00	142.68		2.32	12	
02/09/21	5	11	198.09			0.00		0.00	1.00	4.00	18.56	125.00	0.88	12	
02/10/21	6	0	200.88			0.00		2.79	1.00	5.00	19.72		1.16	12	
02/11/21	6	0	200.88			0.00		0.00	1.00	9.00	24.36		4.64	12	
02/12/21	6	1	203.67			0.00		2.79	1.00	10.00	25.52		1.16	12	
02/13/21	6	1	203.67			0.00		0.00	1.00	10.00	25.52		0.00	13	OFF WEATHER
02/14/21	6	1	203.67			0.00		0.00	1.00	10.00	25.52		0.00	6	
02/15/21	6	1	203.67			0.00		0.00	1.00	10.00	25.52		0.00	6	
02/16/21	6	1	203.67			0.00		0.00	1.00	10.00	25.52		0.00	6	
02/17/21	6	1	203.67			0.00		0.00	1.00	10.00	25.52		0.00	6	
02/18/21	6	1	203.67			0.00		0.00	1.00	10.00	25.52		0.00	7	
02/19/21	6	1	203.67			0.00		0.00	1.00	10.00	25.52		0.00	7	
02/20/21	1	1	36.27			0.00		-167.40	1.00	10.00	25.52		0.00	7	LINE LEAK
02/21/21			0.00			0.00		-36.27			0.00		-25.52		
02/22/21			0.00			0.00		0.00			0.00		0.00		
02/23/21			0.00			0.00		0.00			0.00		0.00		
02/24/21			0.00			0.00		0.00			0.00		0.00		
02/25/21			0.00			0.00		0.00			0.00		0.00		
02/26/21			0.00			0.00		0.00			0.00		0.00		
02/27/21			0.00			0.00		0.00			0.00		0.00		
02/28/21			0.00			0.00		0.00			0.00		0.00		
							0.00	-161.82				125.00	127.04	206.00	

Appendix B

Karst Risk Potential

New Mexico Kart or No Karst - QGIS

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help

Browser

- Favorites
- Spatial Bookmarks
- Project Home
- Home
- C:\
- D:\
- L:\
- Z:\
- GeoPackage
- SpatiaLite
- PostGIS
- MSSQL
- Oracle
- DB2
- WMS/WMTS
- XYZ Tiles
- WCS
- WFS / OGC API - Features
- OWS
- ArcGisMapServer
- ArcGisFeatureServer
- GeoNode

Layers

- Karst or No Karst
  - High
  - Low
  - Medium
  -
- Bing Satellite

Low

Type to locate (Ctrl+K)

Coordinate 672708,3607445 Scale 1:9412 Magnifier 100% Rotation 0.0 ° Render EPSG:26913

Appendix C

Waste Manifests

1ST BACKHOE SERVICES, LLC
323 W. HICKMAN DR.
HOBBS, NM 88240
575-318-1383

Invoice

Date	Invoice #
2/22/2021	5716

Bill To:

Raw Oil & Gas, Inc.
1415 Buddy Holly Ave
Lubbock, TX 79401

Location	P.O. No.
Pewitt #1	

Quantity	Description	Rate	Amount
860	Oil Spill - Clean up of location. Sunday Hauls @ 43 loads - 20 yds.	30.00	25,800.00T
12	Backhoe	115.00	1,380.00T
36	Disposal Cost / 3 Trucks @ 12 hrs.	95.00	3,420.00T
12	744 Front End Loader	145.00	1,740.00T
12	Gang Crew	120.00	1,440.00T
2	Mobilization of Loader	125.00	250.00T
	Truck #s- 20, 25, 22, 55 Location: Filbert # 1 Ordered by: Matt Jolly		
	Sales Tax	6.8125%	2,318.29

All Past Due Invoices are subject to an FINANCE CHARGE of 1.5% which is an ANNUAL RATE of 18%

Total $36,348.29

1ST BACKHOE SERVICES, LLC
323 W. HICKMAN DR.
HOBBS, NM 88240
575-318-1383

Invoice

Date	Invoice #
3/16/2021	5807

Bill To:

Raw Oil & Gas, Inc.
1415 Buddy Holly Ave
Lubbock, TX 79401

Location	P.O. No.
Billy Walker Rd.	

Quantity	Description	Rate	Amount
280	Solids to Landfill	30.00	8,400.00
10	Backhoe Crew 3/16/2021 8am-6pm	110.00	1,100.00
12	Backhoe Crew 3/17/2021 6am-6pm	110.00	1,320.00
12	2 BellyDump Truck @ 6am	95.00	1,140.00
10	1 Spotter on 3/16/2021	29.00	290.00
	Location: Billy Walker Rd.		
	Description: On 3/15/2021 we mobilized Backhoe only to location to dig 1" Deeper on various parts of location on 3/16/2021 we mobilized 2 Bellydumps to haul off solids to Landfill.		
	FWT #6412 Truck No. 25		
	VENDOR#_____		
	WELL NAME_____		
	Job Ordered By: Matt GL # _____		
	Sales Tax	6.8125%	0.00
	APPROVED BY_____		
	ON_____ VIA_____		

All Past Due Invoices are subject to a FINANCE CHARGE of 1.5% which is an ANNUAL RATE of 18%

Total $12,250.00

1ST BACKHOE SERVICES, LLC
323 W. HICKMAN DR.
HOBBS, NM 88240
575-318-1383

Invoice

Date	Invoice #
4/13/2021 ✓	5961 ✓

Bill To:

Raw Oil & Gas, Inc.
1415 Buddy Holly Ave
Lubbock, TX 79401

Location	P.O. No.
Pewitt #1 ✓	

Quantity	Description	Rate	Amount
9	Backhoe Crew	110.00	990.00 ✓
	Location: Pewitt #1		
	Description: Drove to location and did some excavation on certain spots dictated by Matt, took out contaminated and put end of location.		
	FT #1487		
	Truck No. 10		
	Job Ordered By: Matt		
	Sales Tax	6.8125%	67.44 ✓

VENDOR# 10040
WELL NAME 130060
GL # 9142

APPROVED BY Matt Jolly
ON 4/28/21 VIA email PB

All Past Due Invoices are subject to a FINANCE CHARGE of 1.5% which is an ANNUAL RATE of 18%

Total $1,057.44

1ST BACKHOE SERVICES, LLC
323 W. HICKMAN DR.
HOBBS, NM 88240
575-318-1383

Invoice

Date	Invoice #
4/16/2021 ✓	5965 ✓

Bill To:

Raw Oil & Gas, Inc.
1415 Buddy Holly Ave
Lubbock, TX 79401

Location	P.O. No.
Pewitt #1 ✓	

Quantity	Description	Rate	Amount
4	Backhoe Crew	110.00	440.00T ✓
4.5	BellyDump Truck	95.00	427.50T ✓
40	40yds Disposal	30.00	1,200.00T ✓
	Location: Pewitt #1		
	Description: Dispatched Backhoe and truck to location to haul off contaminated dirt.		
	FT #1493		
	Truck No. 10		
	Job Ordered By: Matt		
	Sales Tax	6.8125%	140.85 ✓
	VENDOR# 10040		
	WELL NAME 130060		
	GL # 9142		
	APPROVED BY Matt Jolly		
	ON 4/28/21 VIA email BB		

All Past Due Invoices are subject to a FINANCE CHARGE of 1.5% which is an ANNUAL RATE of 18%

Total $2,208.35 ✓ BB

Appendix D

Laboratory Reports

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

PBELAB

Analytical Report

Prepared for:

Mark Larson

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Pewitt No 1

Project Number: 21-0107-01

Location: NM

Lab Order Number: 1B26008

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 03/05/21

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-1	1B26008-01	Soil	02/24/21 10:56	02-26-2021 09:57
C-2	1B26008-02	Soil	02/24/21 10:58	02-26-2021 09:57
C-3	1B26008-03	Soil	02/24/21 11:00	02-26-2021 09:57
C-4	1B26008-04	Soil	02/24/21 11:02	02-26-2021 09:57
C-5	1B26008-05	Soil	02/24/21 11:04	02-26-2021 09:57
C-6	1B26008-06	Soil	02/24/21 11:06	02-26-2021 09:57
C-7	1B26008-07	Soil	02/24/21 11:08	02-26-2021 09:57
C-8	1B26008-08	Soil	02/24/21 11:10	02-26-2021 09:57
C-9	1B26008-09	Soil	02/24/21 11:12	02-26-2021 09:57
C-10	1B26008-10	Soil	02/24/21 11:14	02-26-2021 09:57
C-11	1B26008-11	Soil	02/24/21 11:16	02-26-2021 09:57
C-12	1B26008-12	Soil	02/24/21 11:18	02-26-2021 09:57
C-13	1B26008-13	Soil	02/24/21 11:20	02-26-2021 09:57
C-14	1B26008-14	Soil	02/24/21 11:22	02-26-2021 09:57
C-15	1B26008-15	Soil	02/24/21 11:24	02-26-2021 09:57
C-16	1B26008-16	Soil	02/24/21 11:26	02-26-2021 09:57
C-17	1B26008-17	Soil	02/24/21 11:28	02-26-2021 09:57
C-18	1B26008-18	Soil	02/24/21 11:30	02-26-2021 09:57
C-19	1B26008-19	Soil	02/24/21 11:32	02-26-2021 09:57
C-20	1B26008-20	Soil	02/24/21 11:34	02-26-2021 09:57
C-21	1B26008-21	Soil	02/24/21 11:36	02-26-2021 09:57
C-22	1B26008-22	Soil	02/24/21 11:38	02-26-2021 09:57
C-23	1B26008-23	Soil	02/24/21 11:40	02-26-2021 09:57
C-24	1B26008-24	Soil	02/24/21 11:42	02-26-2021 09:57
C-25	1B26008-25	Soil	02/24/21 11:44	02-26-2021 09:57
C-26	1B26008-26	Soil	02/24/21 11:46	02-26-2021 09:57
C-27	1B26008-27	Soil	02/24/21 11:48	02-26-2021 09:57
C-28	1B26008-28	Soil	02/24/21 11:50	02-26-2021 09:57
C-29	1B26008-29	Soil	02/24/21 11:52	02-26-2021 09:57
C-30	1B26008-30	Soil	02/24/21 11:54	02-26-2021 09:57
C-31	1B26008-31	Soil	02/24/21 11:56	02-26-2021 09:57
C-32	1B26008-32	Soil	02/24/21 11:58	02-26-2021 09:57
C-33	1B26008-33	Soil	02/24/21 12:00	02-26-2021 09:57
C-34	1B26008-34	Soil	02/24/21 12:02	02-26-2021 09:57

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-35	1B26008-35	Soil	02/24/21 12:04	02-26-2021 09:57
C-36	1B26008-36	Soil	02/24/21 12:06	02-26-2021 09:57
C-37	1B26008-37	Soil	02/24/21 12:08	02-26-2021 09:57
C-38	1B26008-38	Soil	02/24/21 12:10	02-26-2021 09:57
C-39	1B26008-39	Soil	02/24/21 12:12	02-26-2021 09:57
C-40	1B26008-40	Soil	02/24/21 12:14	02-26-2021 09:57
C-41	1B26008-41	Soil	02/24/21 12:16	02-26-2021 09:57
C-42	1B26008-42	Soil	02/24/21 12:18	02-26-2021 09:57
D-1	1B26008-43	Soil	02/24/21 12:20	02-26-2021 09:57
D-2	1B26008-44	Soil	02/24/21 12:22	02-26-2021 09:57
D-3	1B26008-45	Soil	02/24/21 12:24	02-26-2021 09:57
D-4	1B26008-46	Soil	02/24/21 12:26	02-26-2021 09:57
D-5	1B26008-47	Soil	02/24/21 12:28	02-26-2021 09:57

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-1

1B26008-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00167**	0.00108	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 18:53	EPA 8021B	
Toluene	**0.00773**	0.00108	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 18:53	EPA 8021B	
Ethylbenzene	**0.0110**	0.00108	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 18:53	EPA 8021B	
Xylene (p/m)	**0.0344**	0.00215	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 18:53	EPA 8021B	
Xylene (o)	**0.0138**	0.00108	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 18:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*80-120*		*P1C0103*	*03/01/21 09:09*	*03/01/21 18:53*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P1C0103*	*03/01/21 09:09*	*03/01/21 18:53*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**12.1**	1.08	mg/kg dry	1	P1C0102	03/01/21 11:04	03/02/21 09:28	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**40.6**	26.9	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 22:22	TPH 8015M	
>C12-C28	**551**	26.9	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 22:22	TPH 8015M	
>C28-C35	**88.2**	26.9	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 22:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 22:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 22:22*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**679**	26.9	mg/kg dry	1	[CALC]	02/26/21 15:01	02/27/21 22:22	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-2

1B26008-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00314**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:14	EPA 8021B	
Toluene	**0.0115**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:14	EPA 8021B	
Ethylbenzene	**0.00738**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:14	EPA 8021B	
Xylene (p/m)	**0.0168**	0.00211	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:14	EPA 8021B	
Xylene (o)	**0.00463**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.1 %*	*80-120*		*P1C0103*	*03/01/21 09:09*	*03/01/21 19:14*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*80-120*		*P1C0103*	*03/01/21 09:09*	*03/01/21 19:14*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.57**	1.05	mg/kg dry	1	P1C0102	03/01/21 11:04	03/02/21 09:44	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**66.0**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 22:45	TPH 8015M	
>C12-C28	**1200**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 22:45	TPH 8015M	
>C28-C35	**210**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 22:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.0 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 22:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 22:45*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**1470**	26.3	mg/kg dry	1	[CALC]	02/26/21 15:01	02/27/21 22:45	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-3

1B26008-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00147**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:35	EPA 8021B	
Toluene	**0.0277**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:35	EPA 8021B	
Ethylbenzene	**0.0441**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:35	EPA 8021B	
Xylene (p/m)	**0.0748**	0.00211	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:35	EPA 8021B	
Xylene (o)	**0.0299**	0.00105	mg/kg dry	1	P1C0103	03/01/21 09:09	03/01/21 19:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*90.1 %*	*80-120*		*P1C0103*	*03/01/21 09:09*	*03/01/21 19:35*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P1C0103*	*03/01/21 09:09*	*03/01/21 19:35*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.5**	1.05	mg/kg dry	1	P1C0102	03/01/21 11:04	03/02/21 10:00	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 23:09	TPH 8015M	
>C12-C28	**169**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 23:09	TPH 8015M	
>C28-C35	**30.5**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 23:09	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.9 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 23:09*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 23:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**199**	26.3	mg/kg dry	1	[CALC]	02/26/21 15:01	02/27/21 23:09	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-4

1B26008-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**6.25**	0.104	mg/kg dry	100	P1C0104	03/01/21 09:12	03/01/21 22:20	EPA 8021B	
Toluene	**25.6**	0.104	mg/kg dry	100	P1C0104	03/01/21 09:12	03/01/21 22:20	EPA 8021B	
Ethylbenzene	**29.3**	0.104	mg/kg dry	100	P1C0104	03/01/21 09:12	03/01/21 22:20	EPA 8021B	
Xylene (p/m)	**46.1**	0.208	mg/kg dry	100	P1C0104	03/01/21 09:12	03/01/21 22:20	EPA 8021B	
Xylene (o)	**12.7**	0.104	mg/kg dry	100	P1C0104	03/01/21 09:12	03/01/21 22:20	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*107 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/01/21 22:20*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*42.7 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/01/21 22:20*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.09**	1.04	mg/kg dry	1	P1C0102	03/01/21 11:04	03/02/21 10:17	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**7960**	260	mg/kg dry	10	P1B2610	02/26/21 15:01	03/02/21 22:48	TPH 8015M	
>C12-C28	**35100**	260	mg/kg dry	10	P1B2610	02/26/21 15:01	03/02/21 22:48	TPH 8015M	
>C28-C35	**5580**	260	mg/kg dry	10	P1B2610	02/26/21 15:01	03/02/21 22:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*140 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*03/02/21 22:48*	*TPH 8015M*	*S-GC1*
Surrogate: o-Terphenyl		*157 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*03/02/21 22:48*	*TPH 8015M*	*S-GC1*
Total Petroleum Hydrocarbon C6-C35	**48600**	260	mg/kg dry	10	[CALC]	02/26/21 15:01	03/02/21 22:48	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-5

1B26008-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00217**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:23	EPA 8021B	
Toluene	**0.0233**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:23	EPA 8021B	
Ethylbenzene	**0.0118**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:23	EPA 8021B	
Xylene (p/m)	**0.0177**	0.00208	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:23	EPA 8021B	
Xylene (o)	**0.00414**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:23	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.6 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 10:23*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 10:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.73**	1.04	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 13:21	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 23:55	TPH 8015M	
>C12-C28	**792**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 23:55	TPH 8015M	
>C28-C35	**120**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/27/21 23:55	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.7 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 23:55*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/27/21 23:55*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**912**	26.0	mg/kg dry	1	[CALC]	02/26/21 15:01	02/27/21 23:55	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-6

1B26008-06 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.0226**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:02	EPA 8021B	
Toluene	**0.168**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:02	EPA 8021B	
Ethylbenzene	**0.223**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:02	EPA 8021B	
Xylene (p/m)	**0.324**	0.00206	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:02	EPA 8021B	
Xylene (o)	**0.112**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*72.2 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/01/21 23:02*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/01/21 23:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**22.2**	1.03	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 14:09	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**269**	25.8	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 01:06	TPH 8015M	
>C12-C28	**2460**	25.8	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 01:06	TPH 8015M	
>C28-C35	**329**	25.8	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 01:06	TPH 8015M	
Surrogate: 1-Chlorooctane		*120 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 01:06*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 01:06*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**3060**	25.8	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 01:06	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00788**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:43	EPA 8021B	
Toluene	**0.0548**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:43	EPA 8021B	
Ethylbenzene	**0.0779**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:43	EPA 8021B	
Xylene (p/m)	**0.153**	0.00208	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:43	EPA 8021B	
Xylene (o)	**0.0566**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 10:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*108 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 10:43*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*68.5 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 10:43*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**9.81**	1.04	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 14:26	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**408**	130	mg/kg dry	5	P1B2610	02/26/21 15:01	02/28/21 01:29	TPH 8015M	
>C12-C28	**4840**	130	mg/kg dry	5	P1B2610	02/26/21 15:01	02/28/21 01:29	TPH 8015M	
>C28-C35	**720**	130	mg/kg dry	5	P1B2610	02/26/21 15:01	02/28/21 01:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 01:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 01:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**5970**	130	mg/kg dry	5	[CALC]	02/26/21 15:01	02/28/21 01:29	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00318**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:43	EPA 8021B	
Toluene	**0.0312**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:43	EPA 8021B	
Ethylbenzene	**0.0324**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:43	EPA 8021B	
Xylene (p/m)	**0.0559**	0.00208	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:43	EPA 8021B	
Xylene (o)	**0.0181**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/01/21 23:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/01/21 23:43*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*73.5 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/01/21 23:43*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.04	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 14:42	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**116**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 01:52	TPH 8015M	
>C12-C28	**2110**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 01:52	TPH 8015M	
>C28-C35	**344**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 01:52	TPH 8015M	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 01:52*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 01:52*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**2570**	26.0	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 01:52	calc	

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1B26008-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.123**	0.0208	mg/kg dry	20	P1C0104	03/01/21 09:12	03/02/21 00:03	EPA 8021B	
Toluene	**1.38**	0.0208	mg/kg dry	20	P1C0104	03/01/21 09:12	03/02/21 00:03	EPA 8021B	
Ethylbenzene	**2.02**	0.0208	mg/kg dry	20	P1C0104	03/01/21 09:12	03/02/21 00:03	EPA 8021B	
Xylene (p/m)	**3.87**	0.0417	mg/kg dry	20	P1C0104	03/01/21 09:12	03/02/21 00:03	EPA 8021B	
Xylene (o)	**0.980**	0.0208	mg/kg dry	20	P1C0104	03/01/21 09:12	03/02/21 00:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.8 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 00:03*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*65.8 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 00:03*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.04	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 14:58	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**1000**	130	mg/kg dry	5	P1B2610	02/26/21 15:01	02/28/21 02:16	TPH 8015M	
>C12-C28	**8100**	130	mg/kg dry	5	P1B2610	02/26/21 15:01	02/28/21 02:16	TPH 8015M	
>C28-C35	**1040**	130	mg/kg dry	5	P1B2610	02/26/21 15:01	02/28/21 02:16	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 02:16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 02:16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**10100**	130	mg/kg dry	5	[CALC]	02/26/21 15:01	02/28/21 02:16	calc	

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1B26008-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:04	EPA 8021B	
Toluene	**0.0331**	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:04	EPA 8021B	
Ethylbenzene	**0.0723**	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:04	EPA 8021B	
Xylene (p/m)	**0.105**	0.00211	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:04	EPA 8021B	
Xylene (o)	**0.0363**	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:04	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 11:04*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.1 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 11:04*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.05	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 15:15	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**33.9**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 02:39	TPH 8015M	
>C12-C28	**498**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 02:39	TPH 8015M	
>C28-C35	**65.9**	26.3	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 02:39	TPH 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 02:39*	*TPH 8015M*	
Surrogate: o-Terphenyl		*117 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 02:39*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**597**	26.3	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 02:39	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:25	EPA 8021B	
Toluene	**0.00720**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:25	EPA 8021B	
Ethylbenzene	**0.00499**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:25	EPA 8021B	
Xylene (p/m)	**0.00757**	0.00208	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:25	EPA 8021B	
Xylene (o)	**0.00258**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:25	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.6 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 11:25*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 11:25*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.44**	1.04	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 15:31	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:02	TPH 8015M	
>C12-C28	**79.2**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:02	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 03:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 03:02*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**79.2**	26.0	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 03:02	calc	

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C-12

1B26008-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00634**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:05	EPA 8021B	
Toluene	**0.0234**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:05	EPA 8021B	
Ethylbenzene	**0.0234**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:05	EPA 8021B	
Xylene (p/m)	**0.0324**	0.00208	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:05	EPA 8021B	
Xylene (o)	**0.00984**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.6 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 01:05*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.3 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 01:05*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.4**	1.04	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 15:47	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:25	TPH 8015M	
>C12-C28	**169**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:25	TPH 8015M	
>C28-C35	**27.3**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:25	TPH 8015M	
Surrogate: 1-Chlorooctane		*90.5 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 03:25*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.0 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 03:25*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**196**	26.0	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 03:25	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00326**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:26	EPA 8021B	
Toluene	**0.0230**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:26	EPA 8021B	
Ethylbenzene	**0.0219**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:26	EPA 8021B	
Xylene (p/m)	**0.0391**	0.00208	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:26	EPA 8021B	
Xylene (o)	**0.0114**	0.00104	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 01:26	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.6 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 01:26*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*93.3 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 01:26*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.04	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 16:03	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:49	TPH 8015M	
>C12-C28	**131**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:49	TPH 8015M	
>C28-C35	**36.7**	26.0	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 03:49	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 03:49*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.6 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 03:49*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**168**	26.0	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 03:49	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

C-14

1B26008-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00335**	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:28	EPA 8021B	
Toluene	**0.0546**	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:28	EPA 8021B	
Ethylbenzene	**0.0676**	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:28	EPA 8021B	
Xylene (p/m)	**0.0970**	0.00213	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:28	EPA 8021B	
Xylene (o)	**0.0291**	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 02:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.6 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 02:28*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.06	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 16:20	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 04:12	TPH 8015M	
>C12-C28	**63.6**	26.6	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 04:12	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 04:12	TPH 8015M	
Surrogate: 1-Chlorooctane		*95.7 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 04:12*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 04:12*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**63.6**	26.6	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 04:12	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-15

1B26008-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:48	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:48	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:48	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:48	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 02:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.7 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 02:48*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*98.5 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 02:48*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.06	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 17:09	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 04:36	TPH 8015M	
>C12-C28	**162**	26.6	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 04:36	TPH 8015M	
>C28-C35	**32.9**	26.6	mg/kg dry	1	P1B2610	02/26/21 15:01	02/28/21 04:36	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.2 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 04:36*	*TPH 8015M*	
Surrogate: o-Terphenyl		*107 %*	*70-130*		*P1B2610*	*02/26/21 15:01*	*02/28/21 04:36*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**194**	26.6	mg/kg dry	1	[CALC]	02/26/21 15:01	02/28/21 04:36	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-16

1B26008-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00292**	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:09	EPA 8021B	
Toluene	**0.0287**	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:09	EPA 8021B	
Ethylbenzene	**0.0326**	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:09	EPA 8021B	
Xylene (p/m)	**0.0653**	0.00211	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:09	EPA 8021B	
Xylene (o)	**0.0197**	0.00105	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:09	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*87.1 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 03:09*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 03:09*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.31**	1.05	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 17:58	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**27.7**	26.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:02	TPH 8015M	
>C12-C28	**207**	26.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:02	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*116 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 10:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*131 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 10:02*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**235**	26.3	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 10:02	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-17

1B26008-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:30	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:30	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:30	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:30	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:30	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.3 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 03:30*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 03:30*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.02	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 18:14	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:26	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:26	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:26	TPH 8015M	
Surrogate: 1-Chlorooctane		*82.6 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 10:26*	*TPH 8015M*	
Surrogate: o-Terphenyl		*93.7 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 10:26*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 10:26	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-18

1B26008-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00507**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:50	EPA 8021B	
Toluene	**0.158**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:50	EPA 8021B	
Ethylbenzene	**0.249**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:50	EPA 8021B	
Xylene (p/m)	**0.354**	0.00206	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:50	EPA 8021B	
Xylene (o)	**0.155**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 03:50	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*69.9 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 03:50*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*106 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 03:50*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 18:30	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**70.0**	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:49	TPH 8015M	
>C12-C28	**612**	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:49	TPH 8015M	
>C28-C35	**72.6**	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 10:49	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.9 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 10:49*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 10:49*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**754**	25.8	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 10:49	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-19

1B26008-19 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00346**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:11	EPA 8021B	
Toluene	**0.0756**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:11	EPA 8021B	
Ethylbenzene	**0.115**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:11	EPA 8021B	
Xylene (p/m)	**0.155**	0.00206	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:11	EPA 8021B	
Xylene (o)	**0.0572**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:11	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.9 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 04:11*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*94.7 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 04:11*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 18:47	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 11:12	TPH 8015M	
>C12-C28	**46.1**	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 11:12	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 11:12	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 11:12*	*TPH 8015M*	
Surrogate: o-Terphenyl		*125 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 11:12*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**46.1**	25.8	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 11:12	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-20

1B26008-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00216**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:45	EPA 8021B	
Toluene	**0.0240**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:45	EPA 8021B	
Ethylbenzene	**0.0170**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:45	EPA 8021B	
Xylene (p/m)	**0.0237**	0.00206	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:45	EPA 8021B	
Xylene (o)	**0.00678**	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 11:45	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 11:45*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 11:45*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 19:03	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:11	TPH 8015M	
>C12-C28	**53.5**	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:11	TPH 8015M	
>C28-C35	**34.8**	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:11	TPH 8015M	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*03/02/21 23:11*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*03/02/21 23:11*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**88.3**	25.8	mg/kg dry	1	[CALC]	02/26/21 15:47	03/02/21 23:11	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-21

1B26008-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:52	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:52	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:52	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:52	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 04:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 04:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.7 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 04:52*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.54**	1.02	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 19:19	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 12:45	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 12:45	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 12:45	TPH 8015M	
Surrogate: 1-Chlorooctane		*128 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 12:45*	*TPH 8015M*	
Surrogate: o-Terphenyl		*146 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 12:45*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 12:45	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-22

1B26008-22 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:13	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:13	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:13	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:13	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 05:13*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 05:13*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 19:36	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:08	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:08	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 13:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*146 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 13:08*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 13:08	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-23

1B26008-23 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:33	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:33	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:33	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:33	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1C0104	03/01/21 09:12	03/02/21 05:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.6 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 05:33*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P1C0104*	*03/01/21 09:12*	*03/02/21 05:33*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**36.3**	1.02	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 19:52	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:31	TPH 8015M	
>C12-C28	**66.8**	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:31	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:31	TPH 8015M	
Surrogate: 1-Chlorooctane		*130 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 13:31*	*TPH 8015M*	
Surrogate: o-Terphenyl		*150 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 13:31*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**66.8**	25.5	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 13:31	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-24

1B26008-24 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00489**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:15	EPA 8021B	
Toluene	**0.0575**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:15	EPA 8021B	
Ethylbenzene	**0.0991**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:15	EPA 8021B	
Xylene (p/m)	**0.147**	0.00202	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:15	EPA 8021B	
Xylene (o)	**0.0510**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*85.2 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 15:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 15:15*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.01	mg/kg dry	1	P1C0108	03/01/21 13:17	03/02/21 20:08	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**32.7**	25.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:53	TPH 8015M	
>C12-C28	**329**	25.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:53	TPH 8015M	
>C28-C35	**70.7**	25.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 13:53	TPH 8015M	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 13:53*	*TPH 8015M*	
Surrogate: o-Terphenyl		*149 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 13:53*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**433**	25.3	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 13:53	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-25

1B26008-25 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:36	EPA 8021B	
Toluene	**0.00188**	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:36	EPA 8021B	
Ethylbenzene	**0.00132**	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:36	EPA 8021B	
Xylene (p/m)	**0.00242**	0.00204	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:36	EPA 8021B	
Xylene (o)	**0.00153**	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 15:36*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 15:36*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.02	mg/kg dry	1	P1C0203	03/02/21 09:56	03/02/21 21:46	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 14:16	TPH 8015M	
>C12-C28	**107**	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 14:16	TPH 8015M	
>C28-C35	**28.3**	25.5	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 14:16	TPH 8015M	
Surrogate: 1-Chlorooctane		*126 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 14:16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*142 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 14:16*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**136**	25.5	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 14:16	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-26

1B26008-26 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:57	EPA 8021B	
Toluene	**0.00332**	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:57	EPA 8021B	
Ethylbenzene	**0.0121**	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:57	EPA 8021B	
Xylene (p/m)	**0.0377**	0.00211	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:57	EPA 8021B	
Xylene (o)	**0.0142**	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 15:57	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*84.4 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 15:57*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 15:57*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.20**	1.05	mg/kg dry	1	P1C0203	03/02/21 09:56	03/02/21 22:35	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**47.1**	26.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 14:39	TPH 8015M	
>C12-C28	**573**	26.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 14:39	TPH 8015M	
>C28-C35	**68.9**	26.3	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 14:39	TPH 8015M	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 14:39*	*TPH 8015M*	
Surrogate: o-Terphenyl		*138 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 14:39*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**689**	26.3	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 14:39	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-27

1B26008-27 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00110	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 16:18	EPA 8021B	
Toluene	**0.00279**	0.00110	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 16:18	EPA 8021B	
Ethylbenzene	**0.00818**	0.00110	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 16:18	EPA 8021B	
Xylene (p/m)	**0.0152**	0.00220	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 16:18	EPA 8021B	
Xylene (o)	**0.0105**	0.00110	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 16:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 16:18*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*79.9 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 16:18*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**187**	1.10	mg/kg dry	1	P1C0203	03/02/21 09:56	03/02/21 22:51	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**44.8**	27.5	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:34	TPH 8015M	
>C12-C28	**1170**	27.5	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:34	TPH 8015M	
>C28-C35	**201**	27.5	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:34	TPH 8015M	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*03/02/21 23:34*	*TPH 8015M*	
Surrogate: o-Terphenyl		*122 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*03/02/21 23:34*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**1410**	27.5	mg/kg dry	1	[CALC]	02/26/21 15:47	03/02/21 23:34	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-28

1B26008-28 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.0215	mg/kg dry	20	P1C0208	03/02/21 10:13	03/02/21 16:39	EPA 8021B	
Toluene	**0.658**	0.0215	mg/kg dry	20	P1C0208	03/02/21 10:13	03/02/21 16:39	EPA 8021B	
Ethylbenzene	**2.10**	0.0215	mg/kg dry	20	P1C0208	03/02/21 10:13	03/02/21 16:39	EPA 8021B	
Xylene (p/m)	**3.87**	0.0430	mg/kg dry	20	P1C0208	03/02/21 10:13	03/02/21 16:39	EPA 8021B	
Xylene (o)	**1.31**	0.0215	mg/kg dry	20	P1C0208	03/02/21 10:13	03/02/21 16:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.6 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 16:39*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*44.5 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 16:39*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.08	mg/kg dry	1	P1C0203	03/02/21 09:56	03/02/21 23:08	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**377**	26.9	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:57	TPH 8015M	
>C12-C28	**2240**	26.9	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:57	TPH 8015M	
>C28-C35	**325**	26.9	mg/kg dry	1	P1B2612	02/26/21 15:47	03/02/21 23:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*03/02/21 23:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*119 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*03/02/21 23:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**2950**	26.9	mg/kg dry	1	[CALC]	02/26/21 15:47	03/02/21 23:57	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-29

1B26008-29 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00109	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 17:00	EPA 8021B	
Toluene	**0.00410**	0.00109	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 17:00	EPA 8021B	
Ethylbenzene	**0.00633**	0.00109	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 17:00	EPA 8021B	
Xylene (p/m)	**0.0148**	0.00217	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 17:00	EPA 8021B	
Xylene (o)	**0.00886**	0.00109	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 17:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 17:00*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*70.6 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 17:00*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**73.8**	1.09	mg/kg dry	1	P1C0203	03/02/21 09:56	03/02/21 23:24	EPA 300.0	
% Moisture	**8.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**67.1**	27.2	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 15:47	TPH 8015M	
>C12-C28	**886**	27.2	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 15:47	TPH 8015M	
>C28-C35	**116**	27.2	mg/kg dry	1	P1B2612	02/26/21 15:47	02/28/21 15:47	TPH 8015M	
Surrogate: 1-Chlorooctane		*128 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 15:47*	*TPH 8015M*	
Surrogate: o-Terphenyl		*147 %*	*70-130*		*P1B2612*	*02/26/21 15:47*	*02/28/21 15:47*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**1070**	27.2	mg/kg dry	1	[CALC]	02/26/21 15:47	02/28/21 15:47	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-30

1B26008-30 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.114**	0.0213	mg/kg dry	20	P1C0208	03/02/21 10:13	03/03/21 11:03	EPA 8021B	
Toluene	**4.10**	0.0213	mg/kg dry	20	P1C0208	03/02/21 10:13	03/03/21 11:03	EPA 8021B	
Ethylbenzene	**7.61**	0.0213	mg/kg dry	20	P1C0208	03/02/21 10:13	03/03/21 11:03	EPA 8021B	
Xylene (p/m)	**11.7**	0.0426	mg/kg dry	20	P1C0208	03/02/21 10:13	03/03/21 11:03	EPA 8021B	
Xylene (o)	**3.71**	0.0213	mg/kg dry	20	P1C0208	03/02/21 10:13	03/03/21 11:03	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*84.6 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/03/21 11:03*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*33.3 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/03/21 11:03*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**226**	1.06	mg/kg dry	1	P1C0203	03/02/21 09:56	03/02/21 23:40	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**4210**	532	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 00:19	TPH 8015M	
>C12-C28	**15000**	532	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 00:19	TPH 8015M	
>C28-C35	**2740**	532	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 00:19	TPH 8015M	
Surrogate: 1-Chlorooctane		*137 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 00:19*	*TPH 8015M*	*S-GC1*
Surrogate: o-Terphenyl		*137 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 00:19*	*TPH 8015M*	*S-GC1*
Total Petroleum Hydrocarbon C6-C35	**22000**	532	mg/kg dry	20	[CALC]	02/26/21 14:11	03/03/21 00:19	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-31

1B26008-31 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P1C0208	03/02/21 10:13	03/03/21 10:42	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1C0208	03/02/21 10:13	03/03/21 10:42	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1C0208	03/02/21 10:13	03/03/21 10:42	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1C0208	03/02/21 10:13	03/03/21 10:42	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1C0208	03/02/21 10:13	03/03/21 10:42	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/03/21 10:42*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/03/21 10:42*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.65**	1.06	mg/kg dry	1	P1C0203	03/02/21 09:56	03/02/21 23:57	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 15:55	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 15:55	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 15:55	TPH 8015M	
Surrogate: 1-Chlorooctane		*126 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 15:55*	*TPH 8015M*	
Surrogate: o-Terphenyl		*142 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 15:55*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	02/26/21 14:11	02/27/21 15:55	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-32

1B26008-32 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00721**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:02	EPA 8021B	
Toluene	**0.0666**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:02	EPA 8021B	
Ethylbenzene	**0.0566**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:02	EPA 8021B	
Xylene (p/m)	**0.0884**	0.00202	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:02	EPA 8021B	
Xylene (o)	**0.0278**	0.00101	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*98.4 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 18:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*86.6 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 18:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**7.46**	1.01	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 00:13	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**49.8**	25.3	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 16:18	TPH 8015M	
>C12-C28	**1390**	25.3	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 16:18	TPH 8015M	
>C28-C35	**270**	25.3	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 16:18	TPH 8015M	
Surrogate: 1-Chlorooctane		*130 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 16:18*	*TPH 8015M*	
Surrogate: o-Terphenyl		*135 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 16:18*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**1710**	25.3	mg/kg dry	1	[CALC]	02/26/21 14:11	02/27/21 16:18	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-33

1B26008-33 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00522**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:23	EPA 8021B	
Toluene	**0.00843**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:23	EPA 8021B	
Ethylbenzene	**0.00691**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:23	EPA 8021B	
Xylene (p/m)	**0.0123**	0.00206	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:23	EPA 8021B	
Xylene (o)	**0.00472**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 18:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*96.0 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 18:23*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*86.9 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 18:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.6**	1.03	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 00:29	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 16:40	TPH 8015M	
>C12-C28	**202**	25.8	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 16:40	TPH 8015M	
>C28-C35	**69.0**	25.8	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 16:40	TPH 8015M	
Surrogate: 1-Chlorooctane		*130 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 16:40*	*TPH 8015M*	
Surrogate: o-Terphenyl		*143 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 16:40*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**271**	25.8	mg/kg dry	1	[CALC]	02/26/21 14:11	02/27/21 16:40	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-34

1B26008-34 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00637**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:25	EPA 8021B	
Toluene	**0.0927**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:25	EPA 8021B	
Ethylbenzene	**0.112**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:25	EPA 8021B	
Xylene (p/m)	**0.170**	0.00206	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:25	EPA 8021B	
Xylene (o)	**0.0522**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:25	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*91.2 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 19:25*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 19:25*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.02**	1.03	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 00:45	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 17:02	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 17:02	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 17:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 17:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*140 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 17:02*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	02/26/21 14:11	02/27/21 17:02	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-35

1B26008-35 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:46	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:46	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:46	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:46	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 19:46	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 19:46*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*106 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 19:46*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.02	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 01:34	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 17:25	TPH 8015M	
>C12-C28	**25.5**	25.5	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 17:25	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 17:25	TPH 8015M	
Surrogate: 1-Chlorooctane		*127 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 17:25*	*TPH 8015M*	
Surrogate: o-Terphenyl		*142 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 17:25*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	02/26/21 14:11	02/27/21 17:25	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-36

1B26008-36 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00210**	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:07	EPA 8021B	
Toluene	**0.0458**	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:07	EPA 8021B	
Ethylbenzene	**0.0497**	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:07	EPA 8021B	
Xylene (p/m)	**0.0849**	0.00204	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:07	EPA 8021B	
Xylene (o)	**0.0198**	0.00102	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:07	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 20:07*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*98.8 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 20:07*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.02	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 02:23	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 15:39	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 15:39	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 15:39	TPH 8015M	
Surrogate: 1-Chlorooctane		*123 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/01/21 15:39*	*TPH 8015M*	
Surrogate: o-Terphenyl		*124 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/01/21 15:39*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	03/01/21 10:56	03/01/21 15:39	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-37

1B26008-37 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00565**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:28	EPA 8021B	
Toluene	**0.0249**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:28	EPA 8021B	
Ethylbenzene	**0.0210**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:28	EPA 8021B	
Xylene (p/m)	**0.0342**	0.00206	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:28	EPA 8021B	
Xylene (o)	**0.00895**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:28	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.9 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 20:28*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*99.4 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 20:28*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 02:39	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 16:00	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 16:00	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 16:00	TPH 8015M	
Surrogate: 1-Chlorooctane		*129 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/01/21 16:00*	*TPH 8015M*	
Surrogate: o-Terphenyl		*138 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/01/21 16:00*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	03/01/21 10:56	03/01/21 16:00	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-38

1B26008-38 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00108	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:49	EPA 8021B	
Toluene	**0.00276**	0.00108	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:49	EPA 8021B	
Ethylbenzene	ND	0.00108	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:49	EPA 8021B	
Xylene (p/m)	ND	0.00215	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:49	EPA 8021B	
Xylene (o)	**0.00328**	0.00108	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 20:49	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 20:49*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 20:49*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**29.6**	1.08	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 02:56	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**66.1**	26.9	mg/kg dry	1	P1C0106	03/01/21 10:56	03/03/21 00:42	TPH 8015M	
>C12-C28	**1990**	26.9	mg/kg dry	1	P1C0106	03/01/21 10:56	03/03/21 00:42	TPH 8015M	
>C28-C35	**359**	26.9	mg/kg dry	1	P1C0106	03/01/21 10:56	03/03/21 00:42	TPH 8015M	
Surrogate: 1-Chlorooctane		*118 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/03/21 00:42*	*TPH 8015M*	
Surrogate: o-Terphenyl		*130 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/03/21 00:42*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**2410**	26.9	mg/kg dry	1	[CALC]	03/01/21 10:56	03/03/21 00:42	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-39 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00129**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:09	EPA 8021B	
Toluene	**0.00556**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:09	EPA 8021B	
Ethylbenzene	**0.00339**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:09	EPA 8021B	
Xylene (p/m)	**0.0149**	0.00206	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:09	EPA 8021B	
Xylene (o)	**0.0147**	0.00103	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:09	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*99.3 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 21:09*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*88.5 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 21:09*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**30.8**	1.03	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 03:12	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C0106	03/01/21 10:56	03/03/21 01:05	TPH 8015M	
>C12-C28	**271**	25.8	mg/kg dry	1	P1C0106	03/01/21 10:56	03/03/21 01:05	TPH 8015M	
>C28-C35	**121**	25.8	mg/kg dry	1	P1C0106	03/01/21 10:56	03/03/21 01:05	TPH 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/03/21 01:05*	*TPH 8015M*	
Surrogate: o-Terphenyl		*121 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/03/21 01:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**392**	25.8	mg/kg dry	1	[CALC]	03/01/21 10:56	03/03/21 01:05	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-40 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00112	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:30	EPA 8021B	
Toluene	ND	0.00112	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:30	EPA 8021B	
Ethylbenzene	ND	0.00112	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:30	EPA 8021B	
Xylene (p/m)	ND	0.00225	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:30	EPA 8021B	
Xylene (o)	ND	0.00112	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:30	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 21:30*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.6 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 21:30*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**8.81**	1.12	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 03:28	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	28.1	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 17:07	TPH 8015M	
>C12-C28	**39.2**	28.1	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 17:07	TPH 8015M	
>C28-C35	ND	28.1	mg/kg dry	1	P1C0106	03/01/21 10:56	03/01/21 17:07	TPH 8015M	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/01/21 17:07*	*TPH 8015M*	
Surrogate: o-Terphenyl		*128 %*	*70-130*		*P1C0106*	*03/01/21 10:56*	*03/01/21 17:07*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**39.2**	28.1	mg/kg dry	1	[CALC]	03/01/21 10:56	03/01/21 17:07	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-41 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00484**	0.00104	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:51	EPA 8021B	
Toluene	**0.0461**	0.00104	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:51	EPA 8021B	
Ethylbenzene	**0.0652**	0.00104	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:51	EPA 8021B	
Xylene (p/m)	**0.107**	0.00208	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:51	EPA 8021B	
Xylene (o)	**0.0309**	0.00104	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 21:51	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 21:51*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*98.4 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 21:51*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.42**	1.04	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 03:44	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 10:41	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 10:41	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 10:41	TPH 8015M	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 10:41*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 10:41*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	02/26/21 14:11	02/27/21 10:41	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-42 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.0102**	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 22:12	EPA 8021B	
Toluene	**0.0336**	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 22:12	EPA 8021B	
Ethylbenzene	**0.0196**	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 22:12	EPA 8021B	
Xylene (p/m)	**0.0305**	0.00211	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 22:12	EPA 8021B	
Xylene (o)	**0.00766**	0.00105	mg/kg dry	1	P1C0208	03/02/21 10:13	03/02/21 22:12	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 22:12*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 22:12*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.62**	1.05	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 04:01	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.3	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 11:04	TPH 8015M	
>C12-C28	ND	26.3	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 11:04	TPH 8015M	
>C28-C35	ND	26.3	mg/kg dry	1	P1B2609	02/26/21 14:11	02/27/21 11:04	TPH 8015M	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 11:04*	*TPH 8015M*	
Surrogate: o-Terphenyl		*118 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 11:04*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.3	mg/kg dry	1	[CALC]	02/26/21 14:11	02/27/21 11:04	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-43 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**4.76**	0.112	mg/kg dry	100	P1C0208	03/02/21 10:13	03/02/21 22:33	EPA 8021B	
Toluene	**22.9**	0.112	mg/kg dry	100	P1C0208	03/02/21 10:13	03/02/21 22:33	EPA 8021B	
Ethylbenzene	**27.7**	0.112	mg/kg dry	100	P1C0208	03/02/21 10:13	03/02/21 22:33	EPA 8021B	
Xylene (p/m)	**43.5**	0.225	mg/kg dry	100	P1C0208	03/02/21 10:13	03/02/21 22:33	EPA 8021B	
Xylene (o)	**11.9**	0.112	mg/kg dry	100	P1C0208	03/02/21 10:13	03/02/21 22:33	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*39.6 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 22:33*	*EPA 8021B*	*S-GC*
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P1C0208*	*03/02/21 10:13*	*03/02/21 22:33*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**5.48**	1.12	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 04:17	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**8130**	562	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 01:28	TPH 8015M	
>C12-C28	**43500**	562	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 01:28	TPH 8015M	
>C28-C35	**6970**	562	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 01:28	TPH 8015M	
Surrogate: 1-Chlorooctane		*147 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 01:28*	*TPH 8015M*	*S-GC1*
Surrogate: o-Terphenyl		*164 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 01:28*	*TPH 8015M*	*S-GC1*
Total Petroleum Hydrocarbon C6-C35	**58600**	562	mg/kg dry	20	[CALC]	02/26/21 14:11	03/03/21 01:28	calc	

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Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-44 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**22.8**	0.538	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:23	EPA 8021B	
Toluene	**90.5**	0.538	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:23	EPA 8021B	
Ethylbenzene	**114**	0.538	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:23	EPA 8021B	
Xylene (p/m)	**171**	1.08	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:23	EPA 8021B	
Xylene (o)	**59.0**	0.538	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:23	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*90.6 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 11:23*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*98.0 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 11:23*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.08	mg/kg dry	1	P1C0203	03/02/21 09:56	03/03/21 04:33	EPA 300.0	
% Moisture	**7.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**15600**	538	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 01:51	TPH 8015M	
>C12-C28	**47800**	538	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 01:51	TPH 8015M	
>C28-C35	**8220**	538	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 01:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*88.6 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 01:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*210 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 01:51*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**71600**	538	mg/kg dry	20	[CALC]	02/26/21 14:11	03/03/21 01:51	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

D-3

1B26008-45 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**28.2**	0.549	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:44	EPA 8021B	
Toluene	**110**	0.549	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:44	EPA 8021B	
Ethylbenzene	**133**	0.549	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:44	EPA 8021B	
Xylene (p/m)	**187**	1.10	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:44	EPA 8021B	
Xylene (o)	**58.1**	0.549	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 11:44	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*88.3 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 11:44*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*62.8 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 11:44*	*EPA 8021B*	*S-GC*
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.10	mg/kg dry	1	P1C0204	03/02/21 09:57	03/03/21 06:11	EPA 300.0	
% Moisture	**9.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**28200**	549	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 02:14	TPH 8015M	
>C12-C28	**92200**	549	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 02:14	TPH 8015M	
>C28-C35	**17200**	549	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 02:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*303 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 02:14*	*TPH 8015M*	*S-GC1*
Surrogate: o-Terphenyl		*252 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 02:14*	*TPH 8015M*	*S-GC1*
Total Petroleum Hydrocarbon C6-C35	**138000**	549	mg/kg dry	20	[CALC]	02/26/21 14:11	03/03/21 02:14	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1B26008-46 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**12.9**	0.526	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:05	EPA 8021B	
Toluene	**77.6**	0.526	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:05	EPA 8021B	
Ethylbenzene	**110**	0.526	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:05	EPA 8021B	
Xylene (p/m)	**166**	1.05	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:05	EPA 8021B	
Xylene (o)	**60.9**	0.526	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*94.7 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 12:05*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 12:05*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.05	mg/kg dry	1	P1C0204	03/02/21 09:57	03/03/21 07:00	EPA 300.0	
% Moisture	**5.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**14000**	526	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 03:22	TPH 8015M	
>C12-C28	**55900**	526	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 03:22	TPH 8015M	
>C28-C35	**8770**	526	mg/kg dry	20	P1B2609	02/26/21 14:11	03/03/21 03:22	TPH 8015M	
Surrogate: 1-Chlorooctane		*93.0 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 03:22*	*TPH 8015M*	
Surrogate: o-Terphenyl		*197 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*03/03/21 03:22*	*TPH 8015M*	*S-GC1*
Total Petroleum Hydrocarbon C6-C35	**78600**	526	mg/kg dry	20	[CALC]	02/26/21 14:11	03/03/21 03:22	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

D-5

1B26008-47 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**3.63**	0.562	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:26	EPA 8021B	
Toluene	**37.1**	0.562	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:26	EPA 8021B	
Ethylbenzene	**19.0**	0.562	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:26	EPA 8021B	
Xylene (p/m)	**195**	1.12	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:26	EPA 8021B	
Xylene (o)	**61.0**	0.562	mg/kg dry	500	P1C0209	03/02/21 10:15	03/03/21 12:26	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.1 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 12:26*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*88.2 %*	*80-120*		*P1C0209*	*03/02/21 10:15*	*03/03/21 12:26*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1.16**	1.12	mg/kg dry	1	P1C0204	03/02/21 09:57	03/03/21 07:17	EPA 300.0	
% Moisture	**11.0**	0.1	%	1	P1B2702	02/27/21 11:54	02/27/21 12:02	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**17800**	562	mg/kg dry	20	P1B2609	02/26/21 14:11	02/27/21 14:03	TPH 8015M	
>C12-C28	**49800**	562	mg/kg dry	20	P1B2609	02/26/21 14:11	02/27/21 14:03	TPH 8015M	
>C28-C35	**7390**	562	mg/kg dry	20	P1B2609	02/26/21 14:11	02/27/21 14:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.6 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 14:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*65.2 %*	*70-130*		*P1B2609*	*02/26/21 14:11*	*02/27/21 14:03*	*TPH 8015M*	*S-GC*
Total Petroleum Hydrocarbon C6-C35	**75000**	562	mg/kg dry	20	[CALC]	02/26/21 14:11	02/27/21 14:03	calc	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0103 - * DEFAULT PREP *** **										
Blank (P1C0103-BLK1)				Prepared & Analyzed: 03/01/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*95.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*95.5*	*80-120*			
LCS (P1C0103-BS1)				Prepared & Analyzed: 03/01/21						
Benzene	0.0837	0.00100	mg/kg wet	0.100		83.7	70-130			
Toluene	0.0993	0.00100	"	0.100		99.3	70-130			
Ethylbenzene	0.119	0.00100	"	0.100		119	70-130			
Xylene (p/m)	0.236	0.00200	"	0.200		118	70-130			
Xylene (o)	0.116	0.00100	"	0.100		116	70-130			
Surrogate: 4-Bromofluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.2*	*80-120*			
LCS Dup (P1C0103-BSD1)				Prepared & Analyzed: 03/01/21						
Benzene	0.0828	0.00100	mg/kg wet	0.100		82.8	70-130	1.15	20	
Toluene	0.0991	0.00100	"	0.100		99.1	70-130	0.202	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	70-130	0.361	20	
Xylene (p/m)	0.237	0.00200	"	0.200		119	70-130	0.820	20	
Xylene (o)	0.115	0.00100	"	0.100		115	70-130	1.08	20	
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.1*	*80-120*			
Calibration Check (P1C0103-CCV1)				Prepared & Analyzed: 03/01/21						
Benzene	0.0845	0.00100	mg/kg wet	0.100		84.5	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.237	0.00200	"	0.200		118	80-120			
Xylene (o)	0.116	0.00100	"	0.100		116	80-120			
Surrogate: 4-Bromofluorobenzene	*0.109*		"	*0.120*		*90.8*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.113*		"	*0.120*		*94.1*	*75-125*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0103 - * DEFAULT PREP *** **										
Calibration Check (P1C0103-CCV2)				Prepared & Analyzed: 03/01/21						
Benzene	0.0828	0.00100	mg/kg wet	0.100		82.8	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.239	0.00200	"	0.200		120	80-120			
Xylene (o)	0.117	0.00100	"	0.100		117	80-120			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.122*		"	*0.120*		*102*	*75-125*			
Calibration Check (P1C0103-CCV3)				Prepared & Analyzed: 03/01/21						
Benzene	0.0820	0.00100	mg/kg wet	0.100		82.0	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*99.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.2*	*75-125*			
Matrix Spike (P1C0103-MS1)		**Source: 1B26003-01**		Prepared & Analyzed: 03/01/21						
Benzene	0.0625	0.00103	mg/kg dry	0.103	ND	60.6	80-120			QM-07
Toluene	0.0677	0.00103	"	0.103	ND	65.7	80-120			QM-07
Ethylbenzene	0.0779	0.00103	"	0.103	ND	75.6	80-120			QM-07
Xylene (p/m)	0.146	0.00206	"	0.206	ND	71.0	80-120			QM-07
Xylene (o)	0.0794	0.00103	"	0.103	ND	77.0	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.124*		*99.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.124*		*97.3*	*80-120*			
Matrix Spike Dup (P1C0103-MSD1)		**Source: 1B26003-01**		Prepared & Analyzed: 03/01/21						
Benzene	0.0636	0.00103	mg/kg dry	0.103	ND	61.7	80-120	1.68	20	QM-07
Toluene	0.0694	0.00103	"	0.103	ND	67.3	80-120	2.45	20	QM-07
Ethylbenzene	0.0780	0.00103	"	0.103	ND	75.7	80-120	0.132	20	QM-07
Xylene (p/m)	0.147	0.00206	"	0.206	ND	71.4	80-120	0.597	20	QM-07
Xylene (o)	0.0731	0.00103	"	0.103	ND	70.9	80-120	8.29	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.124*		*96.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.118*		"	*0.124*		*95.1*	*80-120*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0104 - * DEFAULT PREP *** **										
Blank (P1C0104-BLK1)				Prepared & Analyzed: 03/01/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.5*	*80-120*			
LCS (P1C0104-BS1)				Prepared & Analyzed: 03/01/21						
Benzene	0.0803	0.00100	mg/kg wet	0.100		80.3	70-130			
Toluene	0.0957	0.00100	"	0.100		95.7	70-130			
Ethylbenzene	0.119	0.00100	"	0.100		119	70-130			
Xylene (p/m)	0.223	0.00200	"	0.200		112	70-130			
Xylene (o)	0.114	0.00100	"	0.100		114	70-130			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*80-120*			
LCS Dup (P1C0104-BSD1)				Prepared & Analyzed: 03/01/21						
Benzene	0.0804	0.00100	mg/kg wet	0.100		80.4	70-130	0.0622	20	
Toluene	0.0951	0.00100	"	0.100		95.1	70-130	0.608	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	70-130	2.45	20	
Xylene (p/m)	0.219	0.00200	"	0.200		109	70-130	2.19	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	4.02	20	
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Calibration Check (P1C0104-CCV1)				Prepared & Analyzed: 03/01/21						
Benzene	0.0820	0.00100	mg/kg wet	0.100		82.0	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.235	0.00200	"	0.200		117	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.2*	*75-125*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0104 - * DEFAULT PREP *** **										
Calibration Check (P1C0104-CCV2)				Prepared: 03/01/21 Analyzed: 03/02/21						
Benzene	0.0864	0.00100	mg/kg wet	0.100		86.4	80-120			
Toluene	0.108	0.00100	"	0.100		108	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.233	0.00200	"	0.200		116	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.0*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.120*		*100*	*75-125*			
Calibration Check (P1C0104-CCV3)				Prepared: 03/01/21 Analyzed: 03/02/21						
Benzene	0.0812	0.00100	mg/kg wet	0.100		81.2	80-120			
Toluene	0.0948	0.00100	"	0.100		94.8	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.219	0.00200	"	0.200		110	80-120			
Xylene (o)	0.115	0.00100	"	0.100		115	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.3*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.4*	*75-125*			
Matrix Spike (P1C0104-MS1)		**Source: 1B26008-23**		Prepared: 03/01/21 Analyzed: 03/02/21						
Benzene	0.0162	0.00102	mg/kg dry	0.102	ND	15.9	80-120			S-GC
Toluene	0.0188	0.00102	"	0.102	ND	18.5	80-120			S-GC
Ethylbenzene	0.0411	0.00102	"	0.102	ND	40.3	80-120			S-GC
Xylene (p/m)	0.0896	0.00204	"	0.204	ND	43.9	80-120			S-GC
Xylene (o)	0.0382	0.00102	"	0.102	ND	37.4	80-120			S-GC
Surrogate: 4-Bromofluorobenzene	*0.118*		"	*0.122*		*96.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.122*		*99.2*	*80-120*			
Matrix Spike Dup (P1C0104-MSD1)		**Source: 1B26008-23**		Prepared: 03/01/21 Analyzed: 03/02/21						
Benzene	0.0150	0.00102	mg/kg dry	0.102	ND	14.7	80-120	7.99	20	S-GC
Toluene	0.0181	0.00102	"	0.102	ND	17.8	80-120	3.81	20	S-GC
Ethylbenzene	0.0409	0.00102	"	0.102	ND	40.1	80-120	0.348	20	S-GC
Xylene (p/m)	0.0899	0.00204	"	0.204	ND	44.0	80-120	0.307	20	S-GC
Xylene (o)	0.0340	0.00102	"	0.102	ND	33.3	80-120	11.6	20	S-GC
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.122*		*94.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.122*		*99.3*	*80-120*			

Larson & Associates, Inc.
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Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0208 - * DEFAULT PREP *** **										
Blank (P1C0208-BLK1)				Prepared & Analyzed: 03/02/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.0*	*80-120*			
LCS (P1C0208-BS1)				Prepared & Analyzed: 03/02/21						
Benzene	0.0843	0.00100	mg/kg wet	0.100		84.3	70-130			
Toluene	0.100	0.00100	"	0.100		100	70-130			
Ethylbenzene	0.112	0.00100	"	0.100		112	70-130			
Xylene (p/m)	0.235	0.00200	"	0.200		117	70-130			
Xylene (o)	0.116	0.00100	"	0.100		116	70-130			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*98.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.8*	*80-120*			
LCS Dup (P1C0208-BSD1)				Prepared & Analyzed: 03/02/21						
Benzene	0.0833	0.00100	mg/kg wet	0.100		83.3	70-130	1.13	20	
Toluene	0.101	0.00100	"	0.100		101	70-130	1.20	20	
Ethylbenzene	0.116	0.00100	"	0.100		116	70-130	3.11	20	
Xylene (p/m)	0.236	0.00200	"	0.200		118	70-130	0.230	20	
Xylene (o)	0.116	0.00100	"	0.100		116	70-130	0.103	20	
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Check (P1C0208-CCV1)				Prepared & Analyzed: 03/02/21						
Benzene	0.0818	0.00100	mg/kg wet	0.100		81.8	80-120			
Toluene	0.0948	0.00100	"	0.100		94.8	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.226	0.00200	"	0.200		113	80-120			
Xylene (o)	0.112	0.00100	"	0.100		112	80-120			
Surrogate: 4-Bromofluorobenzene	*0.121*		"	*0.120*		*101*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.121*		"	*0.120*		*101*	*75-125*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0208 - * DEFAULT PREP *** **										
Calibration Check (P1C0208-CCV2)				Prepared & Analyzed: 03/02/21						
Benzene	0.0803	0.00100	mg/kg wet	0.100		80.3	80-120			
Toluene	0.0981	0.00100	"	0.100		98.1	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.228	0.00200	"	0.200		114	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.6*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.2*	*75-125*			
Calibration Check (P1C0208-CCV3)				Prepared & Analyzed: 03/02/21						
Benzene	0.0819	0.00100	mg/kg wet	0.100		81.9	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.4*	*75-125*			
Matrix Spike (P1C0208-MS1)		**Source: 1B26008-24**		Prepared & Analyzed: 03/02/21						
Benzene	0.0671	0.00101	mg/kg dry	0.101	0.00489	61.6	80-120			QM-07
Toluene	0.103	0.00101	"	0.101	0.0575	45.0	80-120			QM-07
Ethylbenzene	0.128	0.00101	"	0.101	0.0991	29.0	80-120			QM-07
Xylene (p/m)	0.181	0.00202	"	0.202	0.147	16.8	80-120			QM-07
Xylene (o)	0.114	0.00101	"	0.101	0.0510	62.0	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	*0.0901*		"	*0.121*		*74.4*	*80-120*			*QM-07*
Surrogate: 1,4-Difluorobenzene	*0.123*		"	*0.121*		*102*	*80-120*			
Matrix Spike Dup (P1C0208-MSD1)		**Source: 1B26008-24**		Prepared & Analyzed: 03/02/21						
Benzene	0.0688	0.00101	mg/kg dry	0.101	0.00489	63.3	80-120	2.67	20	QM-07
Toluene	0.114	0.00101	"	0.101	0.0575	56.4	80-120	22.4	20	QM-07
Ethylbenzene	0.144	0.00101	"	0.101	0.0991	44.1	80-120	41.2	20	QM-07
Xylene (p/m)	0.206	0.00202	"	0.202	0.147	29.0	80-120	52.9	20	QM-07
Xylene (o)	0.0818	0.00101	"	0.101	0.0510	30.4	80-120	68.3	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.121*		*99.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0887*		"	*0.121*		*73.2*	*80-120*			*S-GC*

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0209 - * DEFAULT PREP *** **										
Blank (P1C0209-BLK1)				Prepared: 03/02/21 Analyzed: 03/03/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.115*		"	*0.120*		*96.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.7*	*80-120*			
LCS (P1C0209-BS1)				Prepared: 03/02/21 Analyzed: 03/03/21						
Benzene	0.0834	0.00100	mg/kg wet	0.100		83.4	70-130			
Toluene	0.101	0.00100	"	0.100		101	70-130			
Ethylbenzene	0.112	0.00100	"	0.100		112	70-130			
Xylene (p/m)	0.231	0.00200	"	0.200		115	70-130			
Xylene (o)	0.114	0.00100	"	0.100		114	70-130			
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*98.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.3*	*80-120*			
LCS Dup (P1C0209-BSD1)				Prepared: 03/02/21 Analyzed: 03/03/21						
Benzene	0.0801	0.00100	mg/kg wet	0.100		80.1	70-130	4.07	20	
Toluene	0.0969	0.00100	"	0.100		96.9	70-130	3.97	20	
Ethylbenzene	0.112	0.00100	"	0.100		112	70-130	0.465	20	
Xylene (p/m)	0.222	0.00200	"	0.200		111	70-130	3.83	20	
Xylene (o)	0.109	0.00100	"	0.100		109	70-130	3.70	20	
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.6*	*80-120*			
Calibration Check (P1C0209-CCV1)				Prepared & Analyzed: 03/02/21						
Benzene	0.0819	0.00100	mg/kg wet	0.100		81.9	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.118	0.00100	"	0.100		118	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.4*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0209 - * DEFAULT PREP *** **										
Calibration Check (P1C0209-CCV2)				Prepared: 03/02/21 Analyzed: 03/03/21						
Benzene	0.0827	0.00100	mg/kg wet	0.100		82.7	80-120			
Toluene	0.0979	0.00100	"	0.100		97.9	80-120			
Ethylbenzene	0.119	0.00100	"	0.100		119	80-120			
Xylene (p/m)	0.220	0.00200	"	0.200		110	80-120			
Xylene (o)	0.113	0.00100	"	0.100		113	80-120			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.6*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*97.1*	*75-125*			
Calibration Check (P1C0209-CCV3)				Prepared: 03/02/21 Analyzed: 03/03/21						
Benzene	0.0806	0.00100	mg/kg wet	0.100		80.6	80-120			
Toluene	0.100	0.00100	"	0.100		100	80-120			
Ethylbenzene	0.120	0.00100	"	0.100		120	80-120			
Xylene (p/m)	0.231	0.00200	"	0.200		116	80-120			
Xylene (o)	0.119	0.00100	"	0.100		119	80-120			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.9*	*75-125*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1B2702 - * DEFAULT PREP *** **										
Blank (P1B2702-BLK1)				Prepared & Analyzed: 02/27/21						
% Moisture	ND	0.1	%							
Blank (P1B2702-BLK2)				Prepared & Analyzed: 02/27/21						
% Moisture	ND	0.1	%							
Blank (P1B2702-BLK3)				Prepared & Analyzed: 02/27/21						
% Moisture	ND	0.1	%							
Blank (P1B2702-BLK4)				Prepared & Analyzed: 02/27/21						
% Moisture	ND	0.1	%							
Blank (P1B2702-BLK5)				Prepared & Analyzed: 02/27/21						
% Moisture	ND	0.1	%							
Blank (P1B2702-BLK6)				Prepared & Analyzed: 02/27/21						
% Moisture	ND	0.1	%							
Blank (P1B2702-BLK7)				Prepared & Analyzed: 02/27/21						
% Moisture	ND	0.1	%							
Duplicate (P1B2702-DUP1)	**Source: 1B26001-10**			Prepared & Analyzed: 02/27/21						
% Moisture	11.0	0.1	%		14.0			24.0	20	
Duplicate (P1B2702-DUP2)	**Source: 1B26001-20**			Prepared & Analyzed: 02/27/21						
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P1B2702-DUP3)	**Source: 1B26001-35**			Prepared & Analyzed: 02/27/21						
% Moisture	11.0	0.1	%		11.0			0.00	20	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1B2702 - * DEFAULT PREP *** **										
Duplicate (P1B2702-DUP4)		**Source: 1B26002-05**		Prepared & Analyzed: 02/27/21						
% Moisture	13.0	0.1	%		14.0			7.41	20	
Duplicate (P1B2702-DUP5)		**Source: 1B26002-20**		Prepared & Analyzed: 02/27/21						
% Moisture	11.0	0.1	%		12.0			8.70	20	
Duplicate (P1B2702-DUP6)		**Source: 1B26002-30**		Prepared & Analyzed: 02/27/21						
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P1B2702-DUP7)		**Source: 1B26004-01**		Prepared & Analyzed: 02/27/21						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P1B2702-DUP8)		**Source: 1B26007-06**		Prepared & Analyzed: 02/27/21						
% Moisture	1.0	0.1	%		1.0			0.00	20	
Duplicate (P1B2702-DUP9)		**Source: 1B26008-15**		Prepared & Analyzed: 02/27/21						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P1B2702-DUPA)		**Source: 1B26008-25**		Prepared & Analyzed: 02/27/21						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P1B2702-DUPB)		**Source: 1B26008-40**		Prepared & Analyzed: 02/27/21						
% Moisture	11.0	0.1	%		11.0			0.00	20	
Duplicate (P1B2702-DUPC)		**Source: 1B26010-03**		Prepared & Analyzed: 02/27/21						
% Moisture	9.0	0.1	%		6.0			40.0	20	
Duplicate (P1B2702-DUPD)		**Source: 1B26012-11**		Prepared & Analyzed: 02/27/21						
% Moisture	11.0	0.1	%		10.0			9.52	20	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0102 - * DEFAULT PREP *** **										
Blank (P1C0102-BLK1)				Prepared & Analyzed: 03/01/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1C0102-BS1)				Prepared & Analyzed: 03/01/21						
Chloride	380	1.00	mg/kg wet	400		94.9	90-110			
LCS Dup (P1C0102-BSD1)				Prepared & Analyzed: 03/01/21						
Chloride	378	1.00	mg/kg wet	400		94.5	90-110	0.449	20	
Calibration Check (P1C0102-CCV1)				Prepared & Analyzed: 03/01/21						
Chloride	18.6		mg/kg	20.0		92.9	90-110			
Calibration Check (P1C0102-CCV2)				Prepared & Analyzed: 03/01/21						
Chloride	19.2		mg/kg	20.0		95.8	90-110			
Calibration Check (P1C0102-CCV3)				Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	19.1		mg/kg	20.0		95.5	90-110			
Matrix Spike (P1C0102-MS1)		**Source: 1B26003-02**		Prepared & Analyzed: 03/01/21						
Chloride	532	1.06	mg/kg dry	532	47.6	91.0	80-120			
Matrix Spike (P1C0102-MS2)		**Source: 1B26003-12**		Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	650	1.05	mg/kg dry	526	166	91.8	80-120			
Matrix Spike Dup (P1C0102-MSD1)		**Source: 1B26003-02**		Prepared & Analyzed: 03/01/21						
Chloride	542	1.06	mg/kg dry	532	47.6	93.0	80-120	1.97	20	
Matrix Spike Dup (P1C0102-MSD2)		**Source: 1B26003-12**		Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	641	1.05	mg/kg dry	526	166	90.1	80-120	1.36	20	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0108 - * DEFAULT PREP *** **										
Blank (P1C0108-BLK1)				Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1C0108-BS1)				Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	389	1.00	mg/kg wet	400		97.3	90-110			
LCS Dup (P1C0108-BSD1)				Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	391	1.00	mg/kg wet	400		97.8	90-110	0.472	20	
Calibration Check (P1C0108-CCV1)				Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	19.3		mg/kg	20.0		96.3	90-110			
Calibration Check (P1C0108-CCV2)				Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	19.4		mg/kg	20.0		97.0	90-110			
Matrix Spike (P1C0108-MS1)		**Source: 1B26008-05**		Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	473	1.04	mg/kg dry	521	4.73	89.8	80-120			
Matrix Spike (P1C0108-MS2)		**Source: 1B26008-15**		Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	483	1.06	mg/kg dry	532	0.309	90.8	80-120			
Matrix Spike Dup (P1C0108-MSD1)		**Source: 1B26008-05**		Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	492	1.04	mg/kg dry	521	4.73	93.5	80-120	3.92	20	
Matrix Spike Dup (P1C0108-MSD2)		**Source: 1B26008-15**		Prepared: 03/01/21 Analyzed: 03/02/21						
Chloride	482	1.06	mg/kg dry	532	0.309	90.6	80-120	0.306	20	
Batch P1C0203 - * DEFAULT PREP *** **										
Blank (P1C0203-BLK1)				Prepared & Analyzed: 03/02/21						
Chloride	ND	1.00	mg/kg wet							

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0203 - * DEFAULT PREP *** **										
LCS (P1C0203-BS1)				Prepared & Analyzed: 03/02/21						
Chloride	378	1.00	mg/kg wet	400		94.4	90-110			
LCS Dup (P1C0203-BSD1)				Prepared & Analyzed: 03/02/21						
Chloride	377	1.00	mg/kg wet	400		94.1	90-110	0.339	20	
Calibration Check (P1C0203-CCV1)				Prepared & Analyzed: 03/02/21						
Chloride	18.8		mg/kg	20.0		93.9	90-110			
Calibration Check (P1C0203-CCV2)				Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	19.1		mg/kg	20.0		95.5	90-110			
Matrix Spike (P1C0203-MS1)		**Source: 1B26008-25**		Prepared & Analyzed: 03/02/21						
Chloride	478	1.02	mg/kg dry	510	ND	93.8	80-120			
Matrix Spike (P1C0203-MS2)		**Source: 1B26008-35**		Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	475	1.02	mg/kg dry	510	ND	93.1	80-120			
Matrix Spike Dup (P1C0203-MSD1)		**Source: 1B26008-25**		Prepared & Analyzed: 03/02/21						
Chloride	461	1.02	mg/kg dry	510	ND	90.4	80-120	3.64	20	
Matrix Spike Dup (P1C0203-MSD2)		**Source: 1B26008-35**		Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	455	1.02	mg/kg dry	510	ND	89.3	80-120	4.21	20	
Batch P1C0204 - * DEFAULT PREP *** **										
Blank (P1C0204-BLK1)				Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	ND	1.00	mg/kg wet							

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0204 - * DEFAULT PREP *** **										
LCS (P1C0204-BS1)				Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	383	1.00	mg/kg wet	400		95.8	90-110			
LCS Dup (P1C0204-BSD1)				Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	387	1.00	mg/kg wet	400		96.7	90-110	0.891	20	
Calibration Check (P1C0204-CCV1)				Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	19.2		mg/kg	20.0		96.0	90-110			
Calibration Check (P1C0204-CCV2)				Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	18.9		mg/kg	20.0		94.7	90-110			
Matrix Spike (P1C0204-MS1)		**Source: 1B26008-45**		Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	509	1.10	mg/kg dry	549	ND	92.6	80-120			
Matrix Spike (P1C0204-MS2)		**Source: 1B27001-20**		Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	462	1.01	mg/kg dry	505	20.1	87.6	80-120			
Matrix Spike Dup (P1C0204-MSD1)		**Source: 1B26008-45**		Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	503	1.10	mg/kg dry	549	ND	91.5	80-120	1.20	20	
Matrix Spike Dup (P1C0204-MSD2)		**Source: 1B27001-20**		Prepared: 03/02/21 Analyzed: 03/03/21						
Chloride	457	1.01	mg/kg dry	505	20.1	86.4	80-120	1.25	20	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1B2609 - TX 1005										
Blank (P1B2609-BLK1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*57.3*		*"*	*50.0*		*115*	*70-130*			
LCS (P1B2609-BS1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	1070	25.0	mg/kg wet	1000		107	75-125			
>C12-C28	1120	25.0	"	1000		112	75-125			
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*54.2*		*"*	*50.0*		*108*	*70-130*			
LCS Dup (P1B2609-BSD1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	1020	25.0	mg/kg wet	1000		102	75-125	4.67	20	
>C12-C28	1060	25.0	"	1000		106	75-125	5.52	20	
Surrogate: 1-Chlorooctane	*111*		*"*	*100*		*111*	*70-130*			
Surrogate: o-Terphenyl	*55.9*		*"*	*50.0*		*112*	*70-130*			
Calibration Check (P1B2609-CCV1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	428	25.0	mg/kg wet	500		85.5	85-115			
>C12-C28	478	25.0	"	500		95.6	85-115			
Surrogate: 1-Chlorooctane	*114*		*"*	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*54.7*		*"*	*50.0*		*109*	*70-130*			
Calibration Check (P1B2609-CCV2)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	468	25.0	mg/kg wet	500		93.6	85-115			
>C12-C28	517	25.0	"	500		103	85-115			
Surrogate: 1-Chlorooctane	*127*		*"*	*100*		*127*	*70-130*			
Surrogate: o-Terphenyl	*60.6*		*"*	*50.0*		*121*	*70-130*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1B2609 - TX 1005										
Matrix Spike (P1B2609-MS1)	**Source: 1B26010-01**			Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	1110	26.0	mg/kg dry	1040	ND	107	75-125			
>C12-C28	1150	26.0	"	1040	11.4	109	75-125			
Surrogate: 1-Chlorooctane	*107*		*"*	*104*		*103*	*70-130*			
Surrogate: o-Terphenyl	*64.3*		*"*	*52.1*		*124*	*70-130*			
Matrix Spike Dup (P1B2609-MSD1)	**Source: 1B26010-01**			Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	1010	26.0	mg/kg dry	1040	ND	97.0	75-125	9.73	20	
>C12-C28	1070	26.0	"	1040	11.4	102	75-125	6.88	20	
Surrogate: 1-Chlorooctane	*129*		*"*	*104*		*124*	*70-130*			
Surrogate: o-Terphenyl	*60.4*		*"*	*52.1*		*116*	*70-130*			
Batch P1B2610 - TX 1005										
Blank (P1B2610-BLK1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*95.7*		*"*	*100*		*95.7*	*70-130*			
Surrogate: o-Terphenyl	*52.9*		*"*	*50.0*		*106*	*70-130*			
LCS (P1B2610-BS1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	1100	25.0	mg/kg wet	1000		110	75-125			
>C12-C28	1120	25.0	"	1000		112	75-125			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*62.1*		*"*	*50.0*		*124*	*70-130*			
LCS Dup (P1B2610-BSD1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	1070	25.0	mg/kg wet	1000		107	75-125	2.99	20	
>C12-C28	1090	25.0	"	1000		109	75-125	2.51	20	
Surrogate: 1-Chlorooctane	*109*		*"*	*100*		*109*	*70-130*			
Surrogate: o-Terphenyl	*65.1*		*"*	*50.0*		*130*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1B2610 - TX 1005										
Calibration Check (P1B2610-CCV1)				Prepared: 02/26/21 Analyzed: 02/27/21						
C6-C12	435	25.0	mg/kg wet	500		86.9	85-115			
>C12-C28	508	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*56.2*		*"*	*50.0*		*112*	*70-130*			
Calibration Check (P1B2610-CCV2)				Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	445	25.0	mg/kg wet	500		89.0	85-115			
>C12-C28	440	25.0	"	500		88.0	85-115			
Surrogate: 1-Chlorooctane	*93.2*		*"*	*100*		*93.2*	*70-130*			
Surrogate: o-Terphenyl	*45.2*		*"*	*50.0*		*90.3*	*70-130*			
Matrix Spike (P1B2610-MS1)		**Source: 1B26008-15**		Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	799	26.6	mg/kg dry	1060	ND	75.1	75-125			
>C12-C28	809	26.6	"	1060	162	60.8	75-125			QM-05
Surrogate: 1-Chlorooctane	*99.9*		*"*	*106*		*93.9*	*70-130*			
Surrogate: o-Terphenyl	*38.9*		*"*	*53.2*		*73.1*	*70-130*			
Matrix Spike Dup (P1B2610-MSD1)		**Source: 1B26008-15**		Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	888	26.6	mg/kg dry	1060	ND	83.4	75-125	10.5	20	
>C12-C28	1020	26.6	"	1060	162	81.0	75-125	28.5	20	QM-05
Surrogate: 1-Chlorooctane	*127*		*"*	*106*		*119*	*70-130*			
Surrogate: o-Terphenyl	*44.6*		*"*	*53.2*		*83.9*	*70-130*			
Batch P1B2612 - TX 1005										
Blank (P1B2612-BLK1)				Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*56.2*		*"*	*50.0*		*112*	*70-130*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1B2612 - TX 1005										
LCS (P1B2612-BS1)				Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	848	25.0	mg/kg wet	1000		84.8	75-125			
>C12-C28	919	25.0	"	1000		91.9	75-125			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		*"*	*50.0*		*95.7*	*70-130*			
LCS Dup (P1B2612-BSD1)				Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	851	25.0	mg/kg wet	1000		85.1	75-125	0.331	20	
>C12-C28	931	25.0	"	1000		93.1	75-125	1.36	20	
Surrogate: 1-Chlorooctane	*129*		*"*	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*50.1*		*"*	*50.0*		*100*	*70-130*			
Calibration Check (P1B2612-CCV1)				Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	438	25.0	mg/kg wet	500		87.5	85-115			
>C12-C28	481	25.0	"	500		96.2	85-115			
Surrogate: 1-Chlorooctane	*92.5*		*"*	*100*		*92.5*	*70-130*			
Surrogate: o-Terphenyl	*45.1*		*"*	*50.0*		*90.1*	*70-130*			
Calibration Check (P1B2612-CCV2)				Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	428	25.0	mg/kg wet	500		85.7	85-115			
>C12-C28	499	25.0	"	500		99.8	85-115			
Surrogate: 1-Chlorooctane	*119*		*"*	*100*		*119*	*70-130*			
Surrogate: o-Terphenyl	*55.7*		*"*	*50.0*		*111*	*70-130*			
Calibration Check (P1B2612-CCV3)				Prepared: 02/26/21 Analyzed: 02/28/21						
C6-C12	453	25.0	mg/kg wet	500		90.6	85-115			
>C12-C28	497	25.0	"	500		99.4	85-115			
Surrogate: 1-Chlorooctane	*124*		*"*	*100*		*124*	*70-130*			
Surrogate: o-Terphenyl	*58.9*		*"*	*50.0*		*118*	*70-130*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0106 - TX 1005										
Blank (P1C0106-BLK1)				Prepared & Analyzed: 03/01/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*61.6*		*"*	*50.0*		*123*	*70-130*			
LCS (P1C0106-BS1)				Prepared & Analyzed: 03/01/21						
C6-C12	1200	25.0	mg/kg wet	1000		120	75-125			
>C12-C28	1200	25.0	"	1000		120	75-125			
Surrogate: 1-Chlorooctane	*117*		*"*	*100*		*117*	*70-130*			
Surrogate: o-Terphenyl	*60.8*		*"*	*50.0*		*122*	*70-130*			
LCS Dup (P1C0106-BSD1)				Prepared & Analyzed: 03/01/21						
C6-C12	1220	25.0	mg/kg wet	1000		122	75-125	1.10	20	
>C12-C28	1220	25.0	"	1000		122	75-125	1.28	20	
Surrogate: 1-Chlorooctane	*120*		*"*	*100*		*120*	*70-130*			
Surrogate: o-Terphenyl	*62.8*		*"*	*50.0*		*126*	*70-130*			
Calibration Check (P1C0106-CCV1)				Prepared & Analyzed: 03/01/21						
C6-C12	489	25.0	mg/kg wet	500		97.9	85-115			
>C12-C28	526	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	*129*		*"*	*100*		*129*	*70-130*			
Surrogate: o-Terphenyl	*59.8*		*"*	*50.0*		*120*	*70-130*			
Calibration Check (P1C0106-CCV2)				Prepared & Analyzed: 03/01/21						
C6-C12	459	25.0	mg/kg wet	500		91.8	85-115			
>C12-C28	490	25.0	"	500		98.0	85-115			
Surrogate: 1-Chlorooctane	*122*		*"*	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*57.0*		*"*	*50.0*		*114*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C0106 - TX 1005										
Duplicate (P1C0106-DUP1)	**Source: 1C01001-03**		Prepared & Analyzed: 03/01/21							
C6-C12	5040	202	mg/kg dry		5490			8.54	20	
>C12-C28	27800	202	"		30400			8.70	20	
Surrogate: 1-Chlorooctane	*182*		*"*	*161*		*113*	*70-130*			
Surrogate: o-Terphenyl	*85.4*		*"*	*80.6*		*106*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

S-GC1	Surrogate recovery outside of control limits. A second analysis confirmed the original results..
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/5/2021

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

№ 1440

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 2/24/2021 PAGE 1 OF 4

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pewitt No. 1

LAI PROJECT #: 21-0107-01 COLLECTOR: RN

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

1B24008

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ❑ NaOH ❑	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ❑	TRPH 418.1 ❑	TPH 1005 ❑ TPH 1006 ❑	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ❑	SVOC 8270 ❑	PAH 8270 ❑ HOLDPAH ❑	8081 PESTICIDES ❑	8151 HERBICIDES ❑	8082 PCBS ❑	TBLP - METALS (RCRA) ❑ TCLP VOC ❑	TCLP - PEST ❑ HERB ❑ Semi-VOC ❑	TOTAL METALS (RCRA) ❑ OTHER LIST ❑	LEAD - TOTAL ❑ D.W. 200.8 ❑ TCLP ❑	RCI ❑ TOX ❑ FLASHPOINT ❑	TDS ❑ TSS ❑ % MOISTURE ❑ CYANIDE ❑	pH ❑ HEXAVALENT CHROMIUM ❑	EXPLOSIVES ❑ PECHLORATE ❑	CHLORIDE ☒ ANIONS ❑ ALKALINITY ❑	FIELD NOTES
C-1	01	2/24/21	10:56	S	1				X		X		X	X	X	X															X		
C-2	02		10:58																														
C-3	03		11:00																														
C-4	04		11:02																														
C-5	05		11:04																														
C-6	06		11:06																														
C-7	07		11:08																														
C-8	08		11:10																														
C-9	09		11:12																														
C-10	10		11:14																														
C-11	11		11:16																														
C-12	12		11:18																														
C-13	13		11:20																														
C-14	14		11:22																														
C-15	15		11:24																														
TOTAL					15																												

RELINQUISHED BY:(Signature) DATE/TIME 2/26/21 6:50 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 2/26 9:16 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 2/26 916 RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☒
1 DAY ❑
2 DAY ❑
OTHER ❑

LABORATORY USE ONLY:
RECEIVING TEMP: -6.3 THERM#: CF1, CF2
CUSTODY SEALS - ❑ BROKEN ❑ INTACT ❑ NOT USED
❑ CARRIER BILL #
❑ HAND DELIVERED

№1441

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 2/24/2021 PAGE 2 OF 4

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pewitt No. 1

LAI PROJECT #: 21-0107-01 COLLECTOR: RN

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

1B26008

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	8081 PESTICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐	TCLP - PEST ☐	TOTAL METALS (RCRA) ☐	LEAD - TOTAL ☐	RCI ☐	TDS ☐	pH ☐	EXPLOSIVES ☐	CHLORIDE ☒	TPH 1005 ☐ TPH 1006 ☐ HOLDPAH ☐ TCLP VOC ☐ TCLP SVOC ☐ 8151 HERBICIDES ☐ Semi-VOC ☐ OTHER LIST ☐ TCLP ☐ D.W. 200.8 ☐ FLASHPOINT ☐ % MOISTURE ☐ CYANIDE ☐ HEXAVALENT CHROMIUM ☐ PECHLORATE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-16	16	2/24/21	11:26	S	1				X		X		X	X	X												X		
C-17	17		11:28																										
C-18	18		11:30																										
C-19	19		11:32																										
C-20	20		11:34																										
C-21	21		11:36																										
C-22	22		11:38																										
C-23	23		11:40																										
C-24	24		11:42																										
C-25	25		11:44																										
C-26	26		11:46																										
C-27	27		11:48																										
C-28	28		11:50																										
C-29	29		11:52																										
C-30	30		11:54																										
TOTAL					15																								

RELINQUISHED BY:(Signature) DATE/TIME 2/26/21 6:50 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 2/26 9:16 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 2/26-21 916 RECEIVED BY: (Signature)

LABORATORY: PDEL

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 4.1c -6.3 THERM#: CF1, LB
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

№ 1442

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 2/24/2021 PAGE 3 OF 4

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pewitt No. 1

LAI PROJECT #: 21-0167-01 COLLECTOR: RW

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

1B26008

PRESERVATION: HCl | HNO_3 | H_2SO_4 ❑ NaOH ❑ | ICE | UNPRESSERVED

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ❑ NaOH ❑	ICE	UNPRESSERVED	ANALYSES: BTEX ❑ MTBE ❑	TRPH 418.1 ❑	GASOLINE MOD 8015 ❑	DIESEL - MOD 8015 ❑	OIL - MOD 8015 ❑	VOC 8260 ❑	SVOC 8270 ❑	8081 PESTICIDES ❑	8082 PCBS ❑	TBLP - METALS (RCRA) ❑	TCLP - PEST ❑	TOTAL METALS (RCRA) ❑	LEAD - TOTAL ❑	RCI ❑	TDS ❑	pH ❑	EXPLOSIVES ❑	CHLORIDE ❑	FIELD NOTES
C-31	31	2/24/21	11:56	S	1				X		X		X	X	X												X	
C-32	32	"	11:58	"	1																							
C-33	33	"	12:00	"	1																							
C-34	34	"	12:02	"	1																							
C-35	35	"	12:04	"	1																							
C-36	36	"	12:06	"	1																							
C-37	37	"	12:08	"	1																							
C-38	38	"	12:10	"	1																							
C-39	39	"	12:12	"	1																							
C-40	40	"	12:14	"	1																							
C-41	41	"	12:16	"	1																							
C-42	42	"	12:18	"	1																							
D-1	43	"	12:20	"	1																							
D-2	44	"	12:22	"	1																							
D-3	45	"	12:24	"	1																							
TOTAL					15																							

RELINQUISHED BY:(Signature) DATE/TIME 2/26/21 6:50 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) Brenda Collins DATE/TIME 2/26 9:16 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 2/26-21 9:16 RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☒
1 DAY ❑
2 DAY ❑
OTHER ❑

LABORATORY USE ONLY:
RECEIVING TEMP: -6.3 THERM#: CF1, C2
CUSTODY SEALS - ❑ BROKEN ❑ INTACT ❑ NOT USED
❑ CARRIER BILL #
❑ HAND DELIVERED

№ 1443

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 2/24/2021 PAGE 4 OF 4

PO#: LAB WORK ORDER#:

PROJECT LOCATION OR NAME: Pewitt No. 1

LAI PROJECT #: 21-0167-01 COLLECTOR: RN

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

1B2400S

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐	8081 PESTICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐	TCLP - PEST ☐	TOTAL METALS (RCRA) ☐	LEAD - TOTAL ☐	RCI ☐	TDS ☐	pH ☐	EXPLOSIVES ☐	CHLORIDE ☒	TPH 1005 ☐ TPH 1006 ☐ HOLDPAH ☐ PAH 8270 ☐ 8151 HERBICIDES ☐ TCLP VOC ☐ Semi-VOC ☐ OTHER LIST ☐ TCLP ☐ D.W. 200.8 ☐ FLASHPOINT ☐ % MOISTURE ☐ HEXAVALENT CHROMIUM ☐ PECHLORATE ☐ ANIONS ☐	CYANIDE ☐	ALKALINITY ☐	FIELD NOTES
D-4	46	2/24/21	12:26	S	1				X		X		X	X	X	X												X							
D-5	47	1	12:25	1	1				1		1		1	1	1	1												1							
TOTAL					2																													

RELINQUISHED BY:(Signature) DATE/TIME 2/26/21 6:50 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 2/26 9:16 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 2/26/21 9:16 RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME

NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:

RECEIVING TEMP: 6.3 THERM#: CF1, 2

CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED

☐ CARRIER BILL #

☐ HAND DELIVERED

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

PBELAB

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Location: NM

Lab Order Number: 1C25005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 04/07/21

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-4	1C25005-01	Soil	03/24/21 09:20	03-25-2021 08:50
C-6	1C25005-02	Soil	03/24/21 09:21	03-25-2021 08:50
C-7	1C25005-03	Soil	03/24/21 09:22	03-25-2021 08:50
C-8	1C25005-04	Soil	03/24/21 09:23	03-25-2021 08:50
C-9	1C25005-05	Soil	03/24/21 09:24	03-25-2021 08:50
C-10	1C25005-06	Soil	03/24/21 09:25	03-25-2021 08:50
C-12	1C25005-07	Soil	03/24/21 09:26	03-25-2021 08:50
C-13	1C25005-08	Soil	03/24/21 09:27	03-25-2021 08:50
C-15	1C25005-09	Soil	03/24/21 09:28	03-25-2021 08:50
C-16	1C25005-10	Soil	03/24/21 09:29	03-25-2021 08:50
C-18	1C25005-11	Soil	03/24/21 09:30	03-25-2021 08:50
C-24	1C25005-12	Soil	03/24/21 09:31	03-25-2021 08:50
C-25	1C25005-13	Soil	03/24/21 09:32	03-25-2021 08:50
C-26	1C25005-14	Soil	03/24/21 09:33	03-25-2021 08:50
C-27	1C25005-15	Soil	03/24/21 09:34	03-25-2021 08:50
C-28	1C25005-16	Soil	03/24/21 09:35	03-25-2021 08:50
C-29	1C25005-17	Soil	03/24/21 09:36	03-25-2021 08:50
C-30	1C25005-18	Soil	03/24/21 09:37	03-25-2021 08:50
C-32	1C25005-19	Soil	03/24/21 09:38	03-25-2021 08:50
C-33	1C25005-20	Soil	03/24/21 09:39	03-25-2021 08:50
C-38	1C25005-21	Soil	03/24/21 09:40	03-25-2021 08:50
C-39	1C25005-22	Soil	03/24/21 09:41	03-25-2021 08:50
D-1	1C25005-23	Soil	03/24/21 09:42	03-25-2021 08:50
D-2	1C25005-24	Soil	03/24/21 09:43	03-25-2021 08:50
D-3	1C25005-25	Soil	03/24/21 09:44	03-25-2021 08:50
D-4	1C25005-26	Soil	03/24/21 09:45	03-25-2021 08:50
D-5	1C25005-27	Soil	03/24/21 09:46	03-25-2021 08:50

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-4

1C25005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 11:52	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 11:52	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 11:52	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 11:52	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 11:52	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P1C3107*	*03/31/21 11:31*	*04/02/21 11:52*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*111 %*	*80-120*		*P1C3107*	*03/31/21 11:31*	*04/02/21 11:52*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**18.2**	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/03/21 19:26	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2907	03/29/21 13:10	04/01/21 21:26	TPH 8015M	
>C12-C28	**129**	25.5	mg/kg dry	1	P1C2907	03/29/21 13:10	04/01/21 21:26	TPH 8015M	
>C28-C35	**30.1**	25.5	mg/kg dry	1	P1C2907	03/29/21 13:10	04/01/21 21:26	TPH 8015M	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		*P1C2907*	*03/29/21 13:10*	*04/01/21 21:26*	*TPH 8015M*	
Surrogate: o-Terphenyl		*113 %*	*70-130*		*P1C2907*	*03/29/21 13:10*	*04/01/21 21:26*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**159**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:10	04/01/21 21:26	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-6

1C25005-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 12:13	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 12:13	EPA 8021B	
Ethylbenzene	**0.00345**	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 12:13	EPA 8021B	
Xylene (p/m)	**0.0103**	0.00204	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 12:13	EPA 8021B	
Xylene (o)	**0.00531**	0.00102	mg/kg dry	1	P1C3107	03/31/21 11:31	04/02/21 12:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*110 %*	*80-120*		*P1C3107*	*03/31/21 11:31*	*04/02/21 12:13*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P1C3107*	*03/31/21 11:31*	*04/02/21 12:13*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**80.4**	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/03/21 19:43	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 18:51	TPH 8015M	
>C12-C28	**741**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 18:51	TPH 8015M	
>C28-C35	**153**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 18:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 18:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*120 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 18:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**894**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 18:51	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-7

1C25005-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:10	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:10	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:10	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:10	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*107 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 21:10*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*99.7 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 21:10*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**10.3**	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/03/21 19:59	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 19:14	TPH 8015M	
>C12-C28	**403**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 19:14	TPH 8015M	
>C28-C35	**88.3**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 19:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 19:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 19:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**491**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 19:14	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-8

1C25005-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:31	EPA 8021B	
Toluene	**0.00230**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:31	EPA 8021B	
Ethylbenzene	**0.0143**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:31	EPA 8021B	
Xylene (p/m)	**0.0264**	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:31	EPA 8021B	
Xylene (o)	**0.0158**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 21:31*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 21:31*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/03/21 20:15	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**26.4**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 19:37	TPH 8015M	
>C12-C28	**339**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 19:37	TPH 8015M	
>C28-C35	**76.3**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 19:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 19:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.9 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 19:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**442**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 19:37	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-9

1C25005-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	**0.00829**	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 21:51	EPA 8021B	
Toluene	**0.793**	0.0206	mg/kg dry	20	P1D0118	04/01/21 14:40	04/07/21 01:53	EPA 8021B	
Ethylbenzene	**2.70**	0.0206	mg/kg dry	20	P1D0118	04/01/21 14:40	04/07/21 01:53	EPA 8021B	
Xylene (p/m)	**4.29**	0.0412	mg/kg dry	20	P1D0118	04/01/21 14:40	04/07/21 01:53	EPA 8021B	
Xylene (o)	**1.61**	0.0206	mg/kg dry	20	P1D0118	04/01/21 14:40	04/07/21 01:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/07/21 01:53*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/07/21 01:53*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 05:04	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**434**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:00	TPH 8015M	
>C12-C28	**1140**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:00	TPH 8015M	
>C28-C35	**210**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:00	TPH 8015M	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 20:00*	*TPH 8015M*	
Surrogate: o-Terphenyl		*114 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 20:00*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**1780**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 20:00	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-10

1C25005-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:12	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:12	EPA 8021B	
Ethylbenzene	**0.00273**	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:12	EPA 8021B	
Xylene (p/m)	**0.00721**	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:12	EPA 8021B	
Xylene (o)	**0.00205**	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:12	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 22:12*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 22:12*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 05:53	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:23	TPH 8015M	
>C12-C28	**228**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:23	TPH 8015M	
>C28-C35	**63.9**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:23	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 20:23*	*TPH 8015M*	
Surrogate: o-Terphenyl		*104 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 20:23*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**292**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 20:23	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-12

1C25005-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:32	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:32	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:32	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:32	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:32	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 22:32*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 22:32*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.71**	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 09:04	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:46	TPH 8015M	
>C12-C28	**107**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:46	TPH 8015M	
>C28-C35	**25.8**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 20:46	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 20:46*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 20:46*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**133**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 20:46	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-13

1C25005-08 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:53	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:53	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:53	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:53	EPA 8021B	
Xylene (o)	**0.00118**	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 22:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 22:53*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.0 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 22:53*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 09:20	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:08	TPH 8015M	
>C12-C28	**101**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:08	TPH 8015M	
>C28-C35	**26.2**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:08	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 21:08*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 21:08*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**127**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 21:08	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-15

1C25005-09 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:13	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:13	EPA 8021B	
Ethylbenzene	**0.00168**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:13	EPA 8021B	
Xylene (p/m)	**0.00514**	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:13	EPA 8021B	
Xylene (o)	**0.00113**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*106 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 23:13*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.2 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 23:13*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 09:36	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:32	TPH 8015M	
>C12-C28	**167**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:32	TPH 8015M	
>C28-C35	**49.4**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:32	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 21:32*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.4 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 21:32*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**216**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 21:32	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-16

1C25005-10 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:34	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:34	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:34	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:34	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:34	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*96.8 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 23:34*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 23:34*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 09:53	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:55	TPH 8015M	
>C12-C28	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:55	TPH 8015M	
>C28-C35	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 21:55	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 21:55*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 21:55*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 21:55	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-18

1C25005-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:54	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:54	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:54	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:54	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/03/21 23:54	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 23:54*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*96.9 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/03/21 23:54*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14.8**	1.03	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 10:09	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 22:19	TPH 8015M	
>C12-C28	**171**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 22:19	TPH 8015M	
>C28-C35	**58.2**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 22:19	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 22:19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.2 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 22:19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**229**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 22:19	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-24

1C25005-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00115**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 00:14	EPA 8021B	
Toluene	**0.00456**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 00:14	EPA 8021B	
Ethylbenzene	**0.0408**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 00:14	EPA 8021B	
Xylene (p/m)	**0.0529**	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 00:14	EPA 8021B	
Xylene (o)	**0.0276**	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 00:14	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 00:14*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 00:14*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**11.5**	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 10:25	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**93.0**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 23:29	TPH 8015M	
>C12-C28	**994**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 23:29	TPH 8015M	
>C28-C35	**191**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 23:29	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 23:29*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 23:29*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**1280**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 23:29	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-25

1C25005-13 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:16	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:16	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:16	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:16	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 01:16*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*102 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 01:16*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**37.5**	1.02	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 10:42	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 23:53	TPH 8015M	
>C12-C28	**77.6**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 23:53	TPH 8015M	
>C28-C35	**31.9**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/01/21 23:53	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.4 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 23:53*	*TPH 8015M*	
Surrogate: o-Terphenyl		*92.9 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/01/21 23:53*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**110**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/01/21 23:53	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-26

1C25005-14 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:36	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:36	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:36	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:36	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:36	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 01:36*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 01:36*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**17.3**	1.03	mg/kg dry	1	P1D0113	04/01/21 13:09	04/04/21 10:58	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 00:16	TPH 8015M	
>C12-C28	**221**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 00:16	TPH 8015M	
>C28-C35	**50.7**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 00:16	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 00:16*	*TPH 8015M*	
Surrogate: o-Terphenyl		*103 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 00:16*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**271**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 00:16	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-15 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:57	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:57	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:57	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:57	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 01:57	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*107 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 01:57*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 01:57*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**106**	1.04	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 12:35	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 00:40	TPH 8015M	
>C12-C28	**1340**	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 00:40	TPH 8015M	
>C28-C35	**216**	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 00:40	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 00:40*	*TPH 8015M*	
Surrogate: o-Terphenyl		*121 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 00:40*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**1550**	26.0	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 00:40	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-16 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:18	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:18	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:18	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:18	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:18	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*103 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 02:18*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*92.3 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 02:18*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**75.6**	1.04	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 13:24	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:03	TPH 8015M	
>C12-C28	**811**	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:03	TPH 8015M	
>C28-C35	**161**	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:03	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 01:03*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 01:03*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**972**	26.0	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 01:03	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-17 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:38	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:38	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:38	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:38	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 02:38*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*92.7 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 02:38*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**299**	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 13:40	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:27	TPH 8015M	
>C12-C28	**888**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:27	TPH 8015M	
>C28-C35	**161**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:27	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 01:27*	*TPH 8015M*	
Surrogate: o-Terphenyl		*111 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 01:27*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**1050**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 01:27	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-18 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:59	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:59	EPA 8021B	
Ethylbenzene	**0.00166**	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:59	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:59	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 02:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.3 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 02:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 02:59*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**211**	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 13:57	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:50	TPH 8015M	
>C12-C28	**44.8**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:50	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 01:50	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 01:50*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.6 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 01:50*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**44.8**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 01:50	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-19 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:19	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:19	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:19	EPA 8021B	
Xylene (p/m)	**0.00264**	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:19	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 03:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*102 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 03:19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**2.45**	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 14:13	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 02:14	TPH 8015M	
>C12-C28	**392**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 02:14	TPH 8015M	
>C28-C35	**110**	25.8	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 02:14	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 02:14*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.3 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 02:14*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**502**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 02:14	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-20 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:40	EPA 8021B	
Toluene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:40	EPA 8021B	
Ethylbenzene	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:40	EPA 8021B	
Xylene (p/m)	ND	0.00204	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:40	EPA 8021B	
Xylene (o)	ND	0.00102	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 03:40	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*106 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 03:40*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.8 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 03:40*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**3.90**	1.02	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 14:54	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 02:37	TPH 8015M	
>C12-C28	**59.1**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 02:37	TPH 8015M	
>C28-C35	**25.6**	25.5	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 02:37	TPH 8015M	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 02:37*	*TPH 8015M*	
Surrogate: o-Terphenyl		*100 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 02:37*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**84.6**	25.5	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 02:37	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-21 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:00	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:00	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:00	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:00	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 04:00*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 04:00*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**47.8**	1.04	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 15:10	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 03:01	TPH 8015M	
>C12-C28	**28.2**	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 03:01	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1C2908	03/29/21 13:12	04/02/21 03:01	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 03:01*	*TPH 8015M*	
Surrogate: o-Terphenyl		*108 %*	*70-130*		*P1C2908*	*03/29/21 13:12*	*04/02/21 03:01*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**28.2**	26.0	mg/kg dry	1	[CALC]	03/29/21 13:12	04/02/21 03:01	calc	

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P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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1C25005-22 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:20	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:20	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:20	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:20	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1D0118	04/01/21 14:40	04/04/21 04:20	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.0 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 04:20*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*106 %*	*80-120*		*P1D0118*	*04/01/21 14:40*	*04/04/21 04:20*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**36.7**	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 15:27	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:05	TPH 8015M	
>C12-C28	**177**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:05	TPH 8015M	
>C28-C35	**48.8**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:05	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 03:05*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 03:05*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**226**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:13	04/02/21 03:05	calc	

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1C25005-23 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:04	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:04	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:04	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:04	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:04	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*99.6 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 07:04*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 07:04*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**30.0**	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 15:43	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:28	TPH 8015M	
>C12-C28	**298**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:28	TPH 8015M	
>C28-C35	**47.9**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:28	TPH 8015M	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 03:28*	*TPH 8015M*	
Surrogate: o-Terphenyl		*105 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 03:28*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**345**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:13	04/02/21 03:28	calc	

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1C25005-24 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:24	EPA 8021B	
Toluene	**0.0156**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:24	EPA 8021B	
Ethylbenzene	**0.0734**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:24	EPA 8021B	
Xylene (p/m)	**0.117**	0.00206	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:24	EPA 8021B	
Xylene (o)	**0.0675**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 07:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 07:24*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 15:59	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:51	TPH 8015M	
>C12-C28	**438**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:51	TPH 8015M	
>C28-C35	**54.4**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 03:51	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 03:51*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.5 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 03:51*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**493**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:13	04/02/21 03:51	calc	

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1C25005-25 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:45	EPA 8021B	
Toluene	**0.0132**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:45	EPA 8021B	
Ethylbenzene	**0.0700**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:45	EPA 8021B	
Xylene (p/m)	**0.110**	0.00206	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:45	EPA 8021B	
Xylene (o)	**0.0632**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 07:45	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*104 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 07:45*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 07:45*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.73**	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 16:48	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**35.4**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:13	TPH 8015M	
>C12-C28	**230**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:13	TPH 8015M	
>C28-C35	**39.4**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:13	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 04:13*	*TPH 8015M*	
Surrogate: o-Terphenyl		*95.9 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 04:13*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**305**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:13	04/02/21 04:13	calc	

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1C25005-26 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 08:05	EPA 8021B	
Toluene	**0.00141**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 08:05	EPA 8021B	
Ethylbenzene	**0.00259**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 08:05	EPA 8021B	
Xylene (p/m)	**0.00541**	0.00206	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 08:05	EPA 8021B	
Xylene (o)	**0.00182**	0.00103	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 08:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 08:05*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*99.3 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 08:05*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 17:37	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	**35.0**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:36	TPH 8015M	
>C12-C28	**1110**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:36	TPH 8015M	
>C28-C35	**128**	25.8	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:36	TPH 8015M	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 04:36*	*TPH 8015M*	
Surrogate: o-Terphenyl		*98.9 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 04:36*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**1280**	25.8	mg/kg dry	1	[CALC]	03/29/21 13:13	04/02/21 04:36	calc	

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1C25005-27 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 13:17	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 13:17	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 13:17	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 13:17	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1D0119	04/01/21 14:44	04/04/21 13:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*98.1 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 13:17*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D0119*	*04/01/21 14:44*	*04/04/21 13:17*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**45.3**	1.04	mg/kg dry	1	P1D0114	04/01/21 13:11	04/04/21 17:53	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1C2608	03/26/21 11:16	03/26/21 11:23	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:59	TPH 8015M	
>C12-C28	**52.6**	26.0	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:59	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1C2909	03/29/21 13:13	04/02/21 04:59	TPH 8015M	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 04:59*	*TPH 8015M*	
Surrogate: o-Terphenyl		*110 %*	*70-130*		*P1C2909*	*03/29/21 13:13*	*04/02/21 04:59*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**52.6**	26.0	mg/kg dry	1	[CALC]	03/29/21 13:13	04/02/21 04:59	calc	

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C3107 - * DEFAULT PREP *** **										
Blank (P1C3107-BLK1)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
LCS (P1C3107-BS1)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.0917	0.00100	mg/kg wet	0.100		91.7	70-130			
Toluene	0.0880	0.00100	"	0.100		88.0	70-130			
Ethylbenzene	0.0823	0.00100	"	0.100		82.3	70-130			
Xylene (p/m)	0.176	0.00200	"	0.200		88.2	70-130			
Xylene (o)	0.0838	0.00100	"	0.100		83.8	70-130			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.9*	*80-120*			
LCS Dup (P1C3107-BSD1)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.0939	0.00100	mg/kg wet	0.100		93.9	70-130	2.35	20	
Toluene	0.0909	0.00100	"	0.100		90.9	70-130	3.33	20	
Ethylbenzene	0.0864	0.00100	"	0.100		86.4	70-130	4.81	20	
Xylene (p/m)	0.183	0.00200	"	0.200		91.4	70-130	3.48	20	
Xylene (o)	0.0873	0.00100	"	0.100		87.3	70-130	4.15	20	
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Calibration Blank (P1C3107-CCB1)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			

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Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C3107 - * DEFAULT PREP *** **										
Calibration Blank (P1C3107-CCB2)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.129*		*"*	*0.120*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.0*	*80-120*			
Calibration Check (P1C3107-CCV1)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.0832	0.00100	mg/kg wet	0.100		83.2	80-120			
Toluene	0.0805	0.00100	"	0.100		80.5	80-120			
Ethylbenzene	0.0815	0.00100	"	0.100		81.5	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.0	80-120			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	80-120			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*99.8*	*75-125*			
Calibration Check (P1C3107-CCV2)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.0811	0.00100	mg/kg wet	0.100		81.1	80-120			
Toluene	0.0844	0.00100	"	0.100		84.4	80-120			
Ethylbenzene	0.0882	0.00100	"	0.100		88.2	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		81.1	80-120			
Xylene (o)	0.0861	0.00100	"	0.100		86.1	80-120			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.116*		*"*	*0.120*		*96.4*	*75-125*			
Calibration Check (P1C3107-CCV3)				Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.0814	0.00100	mg/kg wet	0.100		81.4	80-120			
Toluene	0.0848	0.00100	"	0.100		84.8	80-120			
Ethylbenzene	0.0944	0.00100	"	0.100		94.4	80-120			
Xylene (p/m)	0.169	0.00200	"	0.200		84.5	80-120			
Xylene (o)	0.0845	0.00100	"	0.100		84.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.3*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*75-125*			

Larson & Associates, Inc.
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Project Manager: Mark Larson

Fax: (432) 687-0456

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C3107 - * DEFAULT PREP *** **										
Matrix Spike (P1C3107-MS1)	**Source: 1C22022-31**			Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.0551	0.00100	mg/kg dry	0.100	ND	55.1	80-120			QM-07
Toluene	0.0657	0.00100	"	0.100	0.00136	64.4	80-120			QM-07
Ethylbenzene	0.0470	0.00100	"	0.100	0.00117	45.9	80-120			QM-07
Xylene (p/m)	0.0584	0.00200	"	0.200	0.00297	27.7	80-120			QM-07
Xylene (o)	0.0625	0.00100	"	0.100	0.00460	57.9	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.135*		*"*	*0.120*		*112*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			
Matrix Spike Dup (P1C3107-MSD1)	**Source: 1C22022-31**			Prepared: 03/31/21 Analyzed: 04/02/21						
Benzene	0.0557	0.00100	mg/kg dry	0.100	ND	55.7	80-120	1.03	20	QM-07
Toluene	0.0673	0.00100	"	0.100	0.00136	65.9	80-120	2.43	20	QM-07
Ethylbenzene	0.0435	0.00100	"	0.100	0.00117	42.4	80-120	7.95	20	QM-07
Xylene (p/m)	0.0546	0.00200	"	0.200	0.00297	25.8	80-120	7.23	20	QM-07
Xylene (o)	0.0625	0.00100	"	0.100	0.00460	57.9	80-120	0.0518	20	QM-07
Surrogate: 4-Bromofluorobenzene	*0.120*		*"*	*0.120*		*100*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.134*		*"*	*0.120*		*111*	*80-120*			
Batch P1D0118 - * DEFAULT PREP *** **										
Blank (P1D0118-BLK1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0118 - * DEFAULT PREP *** **										
LCS (P1D0118-BS1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Benzene	0.0879	0.00100	mg/kg wet	0.100		87.9	70-130			
Toluene	0.0866	0.00100	"	0.100		86.6	70-130			
Ethylbenzene	0.0803	0.00100	"	0.100		80.3	70-130			
Xylene (p/m)	0.161	0.00200	"	0.200		80.3	70-130			
Xylene (o)	0.0804	0.00100	"	0.100		80.4	70-130			
Surrogate: 1,4-Difluorobenzene	*0.117*		*"*	*0.120*		*97.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.115*		*"*	*0.120*		*95.6*	*80-120*			
LCS Dup (P1D0118-BSD1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Benzene	0.0901	0.00100	mg/kg wet	0.100		90.1	70-130	2.50	20	
Toluene	0.0897	0.00100	"	0.100		89.7	70-130	3.60	20	
Ethylbenzene	0.0809	0.00100	"	0.100		80.9	70-130	0.732	20	
Xylene (p/m)	0.162	0.00200	"	0.200		80.9	70-130	0.682	20	
Xylene (o)	0.0840	0.00100	"	0.100		84.0	70-130	4.36	20	
Surrogate: 4-Bromofluorobenzene	*0.117*		*"*	*0.120*		*97.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.4*	*80-120*			
Calibration Blank (P1D0118-CCB1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*93.9*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*103*	*80-120*			
Calibration Blank (P1D0118-CCB2)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.1*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0118 - * DEFAULT PREP *** **										
Calibration Check (P1D0118-CCV1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Benzene	0.0886	0.00100	mg/kg wet	0.100		88.6	80-120			
Toluene	0.0856	0.00100	"	0.100		85.6	80-120			
Ethylbenzene	0.0827	0.00100	"	0.100		82.7	80-120			
Xylene (p/m)	0.164	0.00200	"	0.200		82.0	80-120			
Xylene (o)	0.0815	0.00100	"	0.100		81.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*97.0*	*75-125*			
Calibration Check (P1D0118-CCV2)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0891	0.00100	mg/kg wet	0.100		89.1	80-120			
Toluene	0.0871	0.00100	"	0.100		87.1	80-120			
Ethylbenzene	0.0848	0.00100	"	0.100		84.8	80-120			
Xylene (p/m)	0.165	0.00200	"	0.200		82.3	80-120			
Xylene (o)	0.0819	0.00100	"	0.100		81.9	80-120			
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.7*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.115*		"	*0.120*		*95.8*	*75-125*			
Matrix Spike (P1D0118-MS1)		**Source: 1C25005-03**		Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0627	0.00102	mg/kg dry	0.102	ND	61.5	80-120			QM-07
Toluene	0.0561	0.00102	"	0.102	ND	54.9	80-120			QM-07
Ethylbenzene	0.0459	0.00102	"	0.102	ND	45.0	80-120			QM-07
Xylene (p/m)	0.0969	0.00204	"	0.204	ND	47.5	80-120			QM-07
Xylene (o)	0.0474	0.00102	"	0.102	ND	46.5	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.127*		"	*0.122*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		"	*0.122*		*100*	*80-120*			
Matrix Spike Dup (P1D0118-MSD1)		**Source: 1C25005-03**		Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0618	0.00102	mg/kg dry	0.102	ND	60.6	80-120	1.43	20	QM-07
Toluene	0.0577	0.00102	"	0.102	ND	56.5	80-120	2.87	20	QM-07
Ethylbenzene	0.0467	0.00102	"	0.102	ND	45.8	80-120	1.72	20	QM-07
Xylene (p/m)	0.0945	0.00204	"	0.204	ND	46.3	80-120	2.46	20	QM-07
Xylene (o)	0.0476	0.00102	"	0.102	ND	46.7	80-120	0.494	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.122*		*99.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.120*		"	*0.122*		*98.2*	*80-120*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0119 - * DEFAULT PREP *** **										
Blank (P1D0119-BLK1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.120*		"	*0.120*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.116*		"	*0.120*		*96.8*	*80-120*			
LCS (P1D0119-BS1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0829	0.00100	mg/kg wet	0.100		82.9	70-130			
Toluene	0.0836	0.00100	"	0.100		83.6	70-130			
Ethylbenzene	0.0828	0.00100	"	0.100		82.8	70-130			
Xylene (p/m)	0.164	0.00200	"	0.200		81.9	70-130			
Xylene (o)	0.0839	0.00100	"	0.100		83.9	70-130			
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*95.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.4*	*80-120*			
LCS Dup (P1D0119-BSD1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0816	0.00100	mg/kg wet	0.100		81.6	70-130	1.54	20	
Toluene	0.0833	0.00100	"	0.100		83.3	70-130	0.431	20	
Ethylbenzene	0.0815	0.00100	"	0.100		81.5	70-130	1.63	20	
Xylene (p/m)	0.173	0.00200	"	0.200		86.7	70-130	5.67	20	
Xylene (o)	0.0833	0.00100	"	0.100		83.3	70-130	0.682	20	
Surrogate: 4-Bromofluorobenzene	*0.119*		"	*0.120*		*99.4*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Calibration Blank (P1D0119-CCB1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.117*		"	*0.120*		*97.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*102*	*80-120*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0119 - * DEFAULT PREP *** **										
Calibration Blank (P1D0119-CCB2)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Calibration Check (P1D0119-CCV1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0893	0.00100	mg/kg wet	0.100		89.3	80-120			
Toluene	0.0868	0.00100	"	0.100		86.8	80-120			
Ethylbenzene	0.0880	0.00100	"	0.100		88.0	80-120			
Xylene (o)	0.0841	0.00100	"	0.100		84.1	80-120			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.5*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*75-125*			
Calibration Check (P1D0119-CCV2)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0811	0.00100	mg/kg wet	0.100		81.1	80-120			
Toluene	0.0818	0.00100	"	0.100		81.8	80-120			
Ethylbenzene	0.0804	0.00100	"	0.100		80.4	80-120			
Xylene (p/m)	0.161	0.00200	"	0.200		80.7	80-120			
Xylene (o)	0.0823	0.00100	"	0.100		82.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*98.8*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.119*		*"*	*0.120*		*99.2*	*75-125*			
Calibration Check (P1D0119-CCV3)				Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0818	0.00100	mg/kg wet	0.100		81.8	80-120			
Toluene	0.0834	0.00100	"	0.100		83.4	80-120			
Ethylbenzene	0.0802	0.00100	"	0.100		80.2	80-120			
Xylene (p/m)	0.162	0.00200	"	0.200		80.8	80-120			
Xylene (o)	0.0823	0.00100	"	0.100		82.3	80-120			
Surrogate: 4-Bromofluorobenzene	*0.119*		*"*	*0.120*		*98.9*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*75-125*			

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BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0119 - * DEFAULT PREP *** **										
Matrix Spike (P1D0119-MS1)	**Source: 1C25005-23**			Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0200	0.00103	mg/kg dry	0.103	ND	19.4	80-120			QM-07
Toluene	0.0138	0.00103	"	0.103	ND	13.4	80-120			QM-07
Ethylbenzene	0.0107	0.00103	"	0.103	ND	10.4	80-120			QM-07
Xylene (p/m)	0.0679	0.00206	"	0.206	0.00202	31.9	80-120			QM-07
Xylene (o)	0.0445	0.00103	"	0.103	ND	43.2	80-120			QM-07
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.124*		*99.8*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.124*		*102*	*80-120*			
Matrix Spike Dup (P1D0119-MSD1)	**Source: 1C25005-23**			Prepared: 04/01/21 Analyzed: 04/04/21						
Benzene	0.0219	0.00103	mg/kg dry	0.103	ND	21.2	80-120	9.16	20	QM-07
Toluene	0.0179	0.00103	"	0.103	ND	17.4	80-120	26.4	20	QM-07
Ethylbenzene	0.00680	0.00103	"	0.103	ND	6.60	80-120	44.8	20	QM-07
Xylene (p/m)	0.0734	0.00206	"	0.206	0.00202	34.6	80-120	8.00	20	QM-07
Xylene (o)	0.0485	0.00103	"	0.103	ND	47.1	80-120	8.55	20	QM-07
Surrogate: 1,4-Difluorobenzene	*0.129*		*"*	*0.124*		*105*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.124*		*101*	*80-120*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2608 - * DEFAULT PREP *** **										
Blank (P1C2608-BLK1)				Prepared & Analyzed: 03/26/21						
% Moisture	ND	0.1	%							
Blank (P1C2608-BLK2)				Prepared & Analyzed: 03/26/21						
% Moisture	ND	0.1	%							
Blank (P1C2608-BLK3)				Prepared & Analyzed: 03/26/21						
% Moisture	ND	0.1	%							
Blank (P1C2608-BLK4)				Prepared & Analyzed: 03/26/21						
% Moisture	ND	0.1	%							
Blank (P1C2608-BLK5)				Prepared & Analyzed: 03/26/21						
% Moisture	ND	0.1	%							
Blank (P1C2608-BLK6)				Prepared & Analyzed: 03/26/21						
% Moisture	ND	0.1	%							
Duplicate (P1C2608-DUP1)		**Source: 1C24011-15**		Prepared & Analyzed: 03/26/21						
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P1C2608-DUP2)		**Source: 1C24012-05**		Prepared & Analyzed: 03/26/21						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1C2608-DUP3)		**Source: 1C24012-20**		Prepared & Analyzed: 03/26/21						
% Moisture	6.0	0.1	%		7.0			15.4	20	
Duplicate (P1C2608-DUP4)		**Source: 1C25001-06**		Prepared & Analyzed: 03/26/21						
% Moisture	7.0	0.1	%		7.0			0.00	20	

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2608 - * DEFAULT PREP *** **										
Duplicate (P1C2608-DUP5)		**Source: 1C25002-04**		Prepared & Analyzed: 03/26/21						
% Moisture	12.0	0.1	%		13.0			8.00	20	
Duplicate (P1C2608-DUP6)		**Source: 1C25002-14**		Prepared & Analyzed: 03/26/21						
% Moisture	15.0	0.1	%		14.0			6.90	20	
Duplicate (P1C2608-DUP7)		**Source: 1C25004-03**		Prepared & Analyzed: 03/26/21						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P1C2608-DUP8)		**Source: 1C25004-13**		Prepared & Analyzed: 03/26/21						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P1C2608-DUP9)		**Source: 1C25005-10**		Prepared & Analyzed: 03/26/21						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P1C2608-DUPA)		**Source: 1C25005-20**		Prepared & Analyzed: 03/26/21						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P1C2608-DUPB)		**Source: 1C25006-08**		Prepared & Analyzed: 03/26/21						
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P1C2608-DUPC)		**Source: 1C25008-02**		Prepared & Analyzed: 03/26/21						
% Moisture	7.0	0.1	%		7.0			0.00	20	
Batch P1D0113 - * DEFAULT PREP *** **										
Blank (P1D0113-BLK1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Chloride	ND	1.00	mg/kg wet							

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P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0113 - * DEFAULT PREP *** **										
LCS (P1D0113-BS1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Chloride	398	1.00	mg/kg wet	400		99.5	90-110			
LCS Dup (P1D0113-BSD1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Chloride	409	1.00	mg/kg wet	400		102	90-110	2.71	20	
Calibration Check (P1D0113-CCV1)				Prepared: 04/01/21 Analyzed: 04/03/21						
Chloride	19.5		mg/kg	20.0		97.5	90-110			
Calibration Check (P1D0113-CCV2)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	19.9		mg/kg	20.0		99.6	90-110			
Calibration Check (P1D0113-CCV3)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	19.6		mg/kg	20.0		97.9	90-110			
Matrix Spike (P1D0113-MS1)		**Source: 1C25004-07**		Prepared: 04/01/21 Analyzed: 04/03/21						
Chloride	13900	52.6	mg/kg dry	5260	7840	115	80-120			
Matrix Spike (P1D0113-MS2)		**Source: 1C25005-05**		Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	494	1.03	mg/kg dry	515	ND	95.9	80-120			
Matrix Spike Dup (P1D0113-MSD1)		**Source: 1C25004-07**		Prepared: 04/01/21 Analyzed: 04/03/21						
Chloride	12700	52.6	mg/kg dry	5260	7840	92.7	80-120	8.80	20	
Matrix Spike Dup (P1D0113-MSD2)		**Source: 1C25005-05**		Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	486	1.03	mg/kg dry	515	ND	94.4	80-120	1.57	20	
Batch P1D0114 - * DEFAULT PREP *** **										
Blank (P1D0114-BLK1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	ND	1.00	mg/kg wet							

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D0114 - * DEFAULT PREP *** **										
LCS (P1D0114-BS1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	402	1.00	mg/kg wet	400		101	90-110			
LCS Dup (P1D0114-BSD1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	408	1.00	mg/kg wet	400		102	90-110	1.31	20	
Calibration Check (P1D0114-CCV1)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	19.6		mg/kg	20.0		97.9	90-110			
Calibration Check (P1D0114-CCV2)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	19.6		mg/kg	20.0		97.9	90-110			
Calibration Check (P1D0114-CCV3)				Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	18.5		mg/kg	20.0		92.7	90-110			
Matrix Spike (P1D0114-MS1)		**Source: 1C25005-15**		Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	640	1.04	mg/kg dry	521	106	103	80-120			
Matrix Spike (P1D0114-MS2)		**Source: 1C25005-25**		Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	477	1.03	mg/kg dry	515	4.73	91.6	80-120			
Matrix Spike Dup (P1D0114-MSD1)		**Source: 1C25005-15**		Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	581	1.04	mg/kg dry	521	106	91.2	80-120	9.73	20	
Matrix Spike Dup (P1D0114-MSD2)		**Source: 1C25005-25**		Prepared: 04/01/21 Analyzed: 04/04/21						
Chloride	483	1.03	mg/kg dry	515	4.73	92.9	80-120	1.35	20	

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Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2907 - TX 1005										
Blank (P1C2907-BLK1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*98.6*		*"*	*100*		*98.6*	*70-130*			
Surrogate: o-Terphenyl	*49.0*		*"*	*50.0*		*98.1*	*70-130*			
LCS (P1C2907-BS1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	1040	25.0	mg/kg wet	1000		104	75-125			
>C12-C28	981	25.0	"	1000		98.1	75-125			
Surrogate: 1-Chlorooctane	*102*		*"*	*100*		*102*	*70-130*			
Surrogate: o-Terphenyl	*50.5*		*"*	*50.0*		*101*	*70-130*			
LCS Dup (P1C2907-BSD1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	1.86	20	
>C12-C28	983	25.0	"	1000		98.3	75-125	0.175	20	
Surrogate: 1-Chlorooctane	*100*		*"*	*100*		*100*	*70-130*			
Surrogate: o-Terphenyl	*50.6*		*"*	*50.0*		*101*	*70-130*			
Calibration Check (P1C2907-CCV1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	486	25.0	mg/kg wet	500		97.2	85-115			
>C12-C28	523	25.0	"	500		105	85-115			
Surrogate: 1-Chlorooctane	*116*		*"*	*100*		*116*	*70-130*			
Surrogate: o-Terphenyl	*49.5*		*"*	*50.0*		*99.0*	*70-130*			
Calibration Check (P1C2907-CCV2)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	482	25.0	mg/kg wet	500		96.4	85-115			
>C12-C28	476	25.0	"	500		95.1	85-115			
Surrogate: 1-Chlorooctane	*112*		*"*	*100*		*112*	*70-130*			
Surrogate: o-Terphenyl	*48.5*		*"*	*50.0*		*97.0*	*70-130*			

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P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2907 - TX 1005										
Matrix Spike (P1C2907-MS1)	**Source: 1C25005-01**			Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	1000	25.5	mg/kg dry	1020	11.0	97.0	75-125			
>C12-C28	960	25.5	"	1020	129	81.4	75-125			
Surrogate: 1-Chlorooctane	*101*		*"*	*102*		*99.3*	*70-130*			
Surrogate: o-Terphenyl	*50.1*		*"*	*51.0*		*98.3*	*70-130*			
Matrix Spike Dup (P1C2907-MSD1)	**Source: 1C25005-01**			Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	969	25.5	mg/kg dry	1020	11.0	93.9	75-125	3.27	20	
>C12-C28	945	25.5	"	1020	129	80.0	75-125	1.73	20	
Surrogate: 1-Chlorooctane	*99.2*		*"*	*102*		*97.3*	*70-130*			
Surrogate: o-Terphenyl	*49.8*		*"*	*51.0*		*97.7*	*70-130*			
Batch P1C2908 - TX 1005										
Blank (P1C2908-BLK1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*86.3*		*"*	*100*		*86.3*	*70-130*			
Surrogate: o-Terphenyl	*44.9*		*"*	*50.0*		*89.7*	*70-130*			
LCS (P1C2908-BS1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	812	25.0	mg/kg wet	1000		81.2	75-125			
>C12-C28	797	25.0	"	1000		79.7	75-125			
Surrogate: 1-Chlorooctane	*125*		*"*	*100*		*125*	*70-130*			
Surrogate: o-Terphenyl	*48.9*		*"*	*50.0*		*97.8*	*70-130*			
LCS Dup (P1C2908-BSD1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	847	25.0	mg/kg wet	1000		84.7	75-125	4.22	20	
>C12-C28	784	25.0	"	1000		78.4	75-125	1.64	20	
Surrogate: 1-Chlorooctane	*88.9*		*"*	*100*		*88.9*	*70-130*			
Surrogate: o-Terphenyl	*48.9*		*"*	*50.0*		*97.8*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2908 - TX 1005										
Calibration Check (P1C2908-CCV1)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	458	25.0	mg/kg wet	500		91.5	85-115			
>C12-C28	437	25.0	"	500		87.4	85-115			
Surrogate: 1-Chlorooctane	*107*		*"*	*100*		*107*	*70-130*			
Surrogate: o-Terphenyl	*47.8*		*"*	*50.0*		*95.6*	*70-130*			
Calibration Check (P1C2908-CCV2)				Prepared: 03/29/21 Analyzed: 04/01/21						
C6-C12	453	25.0	mg/kg wet	500		90.7	85-115			
>C12-C28	435	25.0	"	500		87.0	85-115			
Surrogate: 1-Chlorooctane	*103*		*"*	*100*		*103*	*70-130*			
Surrogate: o-Terphenyl	*46.9*		*"*	*50.0*		*93.9*	*70-130*			
Matrix Spike (P1C2908-MS1)		**Source: 1C25005-21**		Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	831	26.0	mg/kg dry	1040	11.1	78.7	75-125			
>C12-C28	902	26.0	"	1040	28.2	83.9	75-125			
Surrogate: 1-Chlorooctane	*130*		*"*	*104*		*125*	*70-130*			
Surrogate: o-Terphenyl	*54.2*		*"*	*52.1*		*104*	*70-130*			
Matrix Spike Dup (P1C2908-MSD1)		**Source: 1C25005-21**		Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	820	26.0	mg/kg dry	1040	11.1	77.6	75-125	1.41	20	
>C12-C28	902	26.0	"	1040	28.2	83.9	75-125	0.00595	20	
Surrogate: 1-Chlorooctane	*132*		*"*	*104*		*127*	*70-130*			
Surrogate: o-Terphenyl	*56.9*		*"*	*52.1*		*109*	*70-130*			
Batch P1C2909 - TX 1005										
Blank (P1C2909-BLK1)				Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*88.3*		*"*	*100*		*88.3*	*70-130*			
Surrogate: o-Terphenyl	*44.7*		*"*	*50.0*		*89.4*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2909 - TX 1005										
LCS (P1C2909-BS1)				Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	902	25.0	mg/kg wet	1000		90.2	75-125			
>C12-C28	909	25.0	"	1000		90.9	75-125			
Surrogate: 1-Chlorooctane	*126*		*"*	*100*		*126*	*70-130*			
Surrogate: o-Terphenyl	*45.6*		*"*	*50.0*		*91.1*	*70-130*			
LCS Dup (P1C2909-BSD1)				Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	890	25.0	mg/kg wet	1000		89.0	75-125	1.28	20	
>C12-C28	890	25.0	"	1000		89.0	75-125	2.16	20	
Surrogate: 1-Chlorooctane	*123*		*"*	*100*		*123*	*70-130*			
Surrogate: o-Terphenyl	*45.0*		*"*	*50.0*		*90.1*	*70-130*			
Calibration Check (P1C2909-CCV1)				Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	477	25.0	mg/kg wet	500		95.3	85-115			
>C12-C28	496	25.0	"	500		99.1	85-115			
Surrogate: 1-Chlorooctane	*108*		*"*	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*46.3*		*"*	*50.0*		*92.6*	*70-130*			
Calibration Check (P1C2909-CCV2)				Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	501	25.0	mg/kg wet	500		100	85-115			
>C12-C28	511	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*118*		*"*	*100*		*118*	*70-130*			
Surrogate: o-Terphenyl	*51.7*		*"*	*50.0*		*103*	*70-130*			
Matrix Spike (P1C2909-MS1)		**Source: 1C25006-14**		Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	1140	28.4	mg/kg dry	1140	34.1	97.6	75-125			
>C12-C28	3600	28.4	"	1140	2500	96.7	75-125			
Surrogate: 1-Chlorooctane	*122*		*"*	*114*		*107*	*70-130*			
Surrogate: o-Terphenyl	*63.8*		*"*	*56.8*		*112*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
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Midland TX, 79710	Project Manager: Mark Larson	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1C2909 - TX 1005										
Matrix Spike Dup (P1C2909-MSD1)	**Source: 1C25006-14**			Prepared: 03/29/21 Analyzed: 04/02/21						
C6-C12	1130	28.4	mg/kg dry	1140	34.1	96.1	75-125	1.57	20	
>C12-C28	3200	28.4	"	1140	2500	61.1	75-125	45.1	20	QM-05
Surrogate: 1-Chlorooctane	*123*		*"*	*114*		*108*	*70-130*			
Surrogate: o-Terphenyl	*71.6*		*"*	*56.8*		*126*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 4/7/2021

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

№1447

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 3/25/2021 PAGE 1 OF 2

PO#: _____ LAB WORK ORDER#: 1C25005

PROJECT LOCATION OR NAME: Permit No. 1

LAI PROJECT #: 21-0107-01 COLLECTOR: RW

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	8081 PESTICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐	TCLP - PEST ☐	TOTAL METALS (RCRA) ☐	LEAD - TOTAL ☐	RCI ☐	TDS ☐	pH ☐	EXPLOSIVES ☐	CHLORIDE ☐	TPH 1005 ☐ TPH 1006 ☐	PAH 8270 ☐ HOLDPAH ☐	8151 HERBICIDES ☐	TCLP VOC ☐	Semi-VOC ☐ OTHER LIST ☐	D.W. 200.8 ☐ TCLP ☐	FLASHPOINT ☐	% MOISTURE ☐ CYANIDE ☐	HEXAVALENT CHROMIUM ☐	PECHLORATE ☐	ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-4	1	3/24/21	0920	S	1				X		X		X	X	X												X											
C-6	2	"	0921	"	"				"		"		"	"	"												"											
C-7	3	"	0922	"	"				"		"		"	"	"												"											
C-8	4	"	0923	"	"				"		"		"	"	"												"											
C-9	5	"	0924	"	"				"		"		"	"	"												"											
C-10	6	"	0925	"	"				"		"		"	"	"												"											
C-12	7	"	0926	"	"				"		"		"	"	"												"											
C-13	8	"	0927	"	"				"		"		"	"	"												"											
C-15	9	"	0928	"	"				"		"		"	"	"												"											
C-16	10	"	0929	"	"				"		"		"	"	"												"											
C-18	11	"	0930	"	"				"		"		"	"	"												"											
C-24	12	"	0931	"	"				"		"		"	"	"												"											
C-25	13	"	0932	"	"				"		"		"	"	"												"											
C-26	14	"	0933	"	"				"		"		"	"	"												"											
C-27	15	"	0934	"	"				"		"		"	"	"												"											
TOTAL																																							

RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	3/25/21 8:50	Jesse Bledsoe
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)
RELINQUISHED BY:(Signature)	DATE/TIME	RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 4.9 5.9 THERM#: CF-H L2
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

№1448

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

DATE: 3/25/2021 PAGE 2 OF 2

PO#: LAB WORK ORDER#: 1C25005

PROJECT LOCATION OR NAME: Pewitt No. 1

LAI PROJECT #: 21-0107-01 COLLECTOR: RW

Data Reported to:

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDES ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-28	16	3/24/21	0935	S	1				X		X		X	X	X													X	
C-29	17	"	0936	"	"				"		"		"	"	"													"	
C-30	18	"	0937	"	"				"		"		"	"	"													"	
C-32	19	"	0938	"	"				"		"		"	"	"													"	
C-33	20	"	0939	"	"				"		"		"	"	"													"	
C-38	21	"	0940	"	"				"		"		"	"	"													"	
C-39	22	"	0941	"	"				"		"		"	"	"													"	
D-1	23	"	0942	"	"				"		"		"	"	"													"	
D-2	24	"	0943	"	"				"		"		"	"	"													"	
D-3	25	"	0944	"	"				"		"		"	"	"													"	
D-4	26	"	0945	"	"				"		"		"	"	"													"	
D-5	27	"	0946	"	"				"		"		"	"	"													"	
TOTAL																													

RELINQUISHED BY:(Signature) DATE/TIME 3/25/21 8:50 RECEIVED BY: (Signature) Tasha Bledsoe

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 4.9 5.9 THERM#: CF-1 12
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

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

PBELAB

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Location:

Lab Order Number: 1D22005

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 04/30/21

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-15	1D22005-01	Soil	04/21/21 10:03	04-22-2021 09:23
C-18	1D22005-02	Soil	04/21/21 10:04	04-22-2021 09:23
C-24	1D22005-03	Soil	04/21/21 10:05	04-22-2021 09:23
C-25	1D22005-04	Soil	04/21/21 10:06	04-22-2021 09:23
C-32	1D22005-05	Soil	04/21/21 10:07	04-22-2021 09:23
C-39	1D22005-06	Soil	04/21/21 10:08	04-22-2021 09:23
D-4	1D22005-07	Soil	04/21/21 10:09	04-22-2021 09:23

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-15

1D22005-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:35	EPA 8021B	
Toluene	**0.00939**	0.00104	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:35	EPA 8021B	
Ethylbenzene	**0.00341**	0.00104	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:35	EPA 8021B	
Xylene (p/m)	**0.00935**	0.00208	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:35	EPA 8021B	
Xylene (o)	**0.00293**	0.00104	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:35	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 13:35*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 13:35*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.04	mg/kg dry	1	P1D2608	04/26/21 16:00	04/27/21 06:49	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1D2304	04/23/21 12:35	04/23/21 12:42	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:02	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:02	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:02	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 21:02*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 21:02*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	04/23/21 12:07	04/25/21 21:02	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-18

1D22005-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00153**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:56	EPA 8021B	
Toluene	**0.0822**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:56	EPA 8021B	
Ethylbenzene	**0.0384**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:56	EPA 8021B	
Xylene (p/m)	**0.0592**	0.00206	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:56	EPA 8021B	
Xylene (o)	**0.0200**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 13:56	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*109 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 13:56*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 13:56*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D2608	04/26/21 16:00	04/27/21 07:05	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1D2304	04/23/21 12:35	04/23/21 12:42	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:25	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:25	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:25	TPH 8015M	
Surrogate: 1-Chlorooctane		*105 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 21:25*	*TPH 8015M*	
Surrogate: o-Terphenyl		*102 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 21:25*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/23/21 12:07	04/25/21 21:25	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-24

1D22005-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00528**	0.00102	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:16	EPA 8021B	
Toluene	**0.114**	0.00102	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:16	EPA 8021B	
Ethylbenzene	**0.0503**	0.00102	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:16	EPA 8021B	
Xylene (p/m)	**0.0753**	0.00204	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:16	EPA 8021B	
Xylene (o)	**0.0286**	0.00102	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:16	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*112 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 14:16*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*116 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 14:16*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**21.5**	1.02	mg/kg dry	1	P1D2608	04/26/21 16:00	04/27/21 07:21	EPA 300.0	
% Moisture	**2.0**	0.1	%	1	P1D2304	04/23/21 12:35	04/23/21 12:42	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.5	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:48	TPH 8015M	
>C12-C28	**88.5**	25.5	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:48	TPH 8015M	
>C28-C35	**39.6**	25.5	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 21:48	TPH 8015M	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 21:48*	*TPH 8015M*	
Surrogate: o-Terphenyl		*91.1 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 21:48*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**128**	25.5	mg/kg dry	1	[CALC]	04/23/21 12:07	04/25/21 21:48	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-25

1D22005-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00190**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:37	EPA 8021B	
Toluene	**0.0500**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:37	EPA 8021B	
Ethylbenzene	**0.0172**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:37	EPA 8021B	
Xylene (p/m)	**0.0277**	0.00206	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:37	EPA 8021B	
Xylene (o)	**0.00804**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*111 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 14:37*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*117 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 14:37*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**43.8**	1.03	mg/kg dry	1	P1D2608	04/26/21 16:00	04/27/21 07:37	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1D2304	04/23/21 12:35	04/23/21 12:42	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:11	TPH 8015M	
>C12-C28	**33.9**	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:11	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:11	TPH 8015M	
Surrogate: 1-Chlorooctane		*99.0 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 22:11*	*TPH 8015M*	
Surrogate: o-Terphenyl		*85.1 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 22:11*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**33.9**	25.8	mg/kg dry	1	[CALC]	04/23/21 12:07	04/25/21 22:11	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-32

1D22005-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:58	EPA 8021B	
Toluene	**0.0248**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:58	EPA 8021B	
Ethylbenzene	**0.0101**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:58	EPA 8021B	
Xylene (p/m)	**0.0195**	0.00206	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:58	EPA 8021B	
Xylene (o)	**0.00570**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 14:58	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 14:58*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 14:58*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D2608	04/26/21 16:00	04/27/21 08:11	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1D2304	04/23/21 12:35	04/23/21 12:42	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:34	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:34	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:34	TPH 8015M	
Surrogate: 1-Chlorooctane		*101 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 22:34*	*TPH 8015M*	
Surrogate: o-Terphenyl		*94.8 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 22:34*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/23/21 12:07	04/25/21 22:34	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

C-39

1D22005-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	**0.00452**	0.00106	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:18	EPA 8021B	
Toluene	**0.112**	0.00106	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:18	EPA 8021B	
Ethylbenzene	**0.0349**	0.00106	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:18	EPA 8021B	
Xylene (p/m)	**0.0488**	0.00213	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:18	EPA 8021B	
Xylene (o)	**0.0157**	0.00106	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:18	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*118 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 15:18*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*111 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 15:18*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**13.6**	1.06	mg/kg dry	1	P1D2608	04/26/21 16:00	04/27/21 08:27	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P1D2304	04/23/21 12:35	04/23/21 12:42	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:57	TPH 8015M	
>C12-C28	**126**	26.6	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:57	TPH 8015M	
>C28-C35	**66.9**	26.6	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 22:57	TPH 8015M	
Surrogate: 1-Chlorooctane		*92.8 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 22:57*	*TPH 8015M*	
Surrogate: o-Terphenyl		*97.3 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 22:57*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**193**	26.6	mg/kg dry	1	[CALC]	04/23/21 12:07	04/25/21 22:57	calc	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

D-4

1D22005-07 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:39	EPA 8021B	
Toluene	**0.0502**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:39	EPA 8021B	
Ethylbenzene	**0.0169**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:39	EPA 8021B	
Xylene (p/m)	**0.0259**	0.00206	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:39	EPA 8021B	
Xylene (o)	**0.00846**	0.00103	mg/kg dry	1	P1D2606	04/26/21 14:02	04/27/21 15:39	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*108 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 15:39*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P1D2606*	*04/26/21 14:02*	*04/27/21 15:39*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	ND	1.03	mg/kg dry	1	P1D2608	04/26/21 16:00	04/27/21 08:43	EPA 300.0	
% Moisture	**3.0**	0.1	%	1	P1D2304	04/23/21 12:35	04/23/21 12:42	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 23:19	TPH 8015M	
>C12-C28	**35.7**	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 23:19	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P1D2303	04/23/21 12:07	04/25/21 23:19	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.8 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 23:19*	*TPH 8015M*	
Surrogate: o-Terphenyl		*93.0 %*	*70-130*		*P1D2303*	*04/23/21 12:07*	*04/25/21 23:19*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	**35.7**	25.8	mg/kg dry	1	[CALC]	04/23/21 12:07	04/25/21 23:19	calc	

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D2606 - * DEFAULT PREP *** **										
Blank (P1D2606-BLK1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.131*		*"*	*0.120*		*109*	*80-120*			
LCS (P1D2606-BS1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.102	0.00100	mg/kg wet	0.100		102	70-130			
Toluene	0.110	0.00100	"	0.100		110	70-130			
Ethylbenzene	0.117	0.00100	"	0.100		117	70-130			
Xylene (p/m)	0.204	0.00200	"	0.200		102	70-130			
Xylene (o)	0.105	0.00100	"	0.100		105	70-130			
Surrogate: 4-Bromofluorobenzene	*0.124*		*"*	*0.120*		*103*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*80-120*			
LCS Dup (P1D2606-BSD1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.109	0.00100	mg/kg wet	0.100		109	70-130	6.76	20	
Toluene	0.118	0.00100	"	0.100		118	70-130	7.07	20	
Ethylbenzene	0.119	0.00100	"	0.100		119	70-130	1.97	20	
Xylene (p/m)	0.228	0.00200	"	0.200		114	70-130	11.5	20	
Xylene (o)	0.114	0.00100	"	0.100		114	70-130	8.87	20	
Surrogate: 4-Bromofluorobenzene	*0.132*		*"*	*0.120*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.130*		*"*	*0.120*		*108*	*80-120*			
Calibration Blank (P1D2606-CCB1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.129*		*"*	*0.120*		*107*	*80-120*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D2606 - * DEFAULT PREP *** **										
Calibration Blank (P1D2606-CCB2)				Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.135*		"	*0.120*		*113*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.124*		"	*0.120*		*103*	*80-120*			
Calibration Check (P1D2606-CCV1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.0901	0.00100	mg/kg wet	0.100		90.1	80-120			
Toluene	0.0981	0.00100	"	0.100		98.1	80-120			
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120			
Xylene (p/m)	0.209	0.00200	"	0.200		104	80-120			
Xylene (o)	0.0981	0.00100	"	0.100		98.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.125*		"	*0.120*		*105*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.127*		"	*0.120*		*106*	*75-125*			
Calibration Check (P1D2606-CCV2)				Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.0921	0.00100	mg/kg wet	0.100		92.1	80-120			
Toluene	0.0971	0.00100	"	0.100		97.1	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.210	0.00200	"	0.200		105	80-120			
Xylene (o)	0.0991	0.00100	"	0.100		99.1	80-120			
Surrogate: 4-Bromofluorobenzene	*0.128*		"	*0.120*		*106*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.126*		"	*0.120*		*105*	*75-125*			
Calibration Check (P1D2606-CCV3)				Prepared: 04/26/21 Analyzed: 04/28/21						
Benzene	0.0992	0.00100	mg/kg wet	0.100		99.2	80-120			
Toluene	0.106	0.00100	"	0.100		106	80-120			
Ethylbenzene	0.118	0.00100	"	0.100		118	80-120			
Xylene (p/m)	0.225	0.00200	"	0.200		112	80-120			
Xylene (o)	0.108	0.00100	"	0.100		108	80-120			
Surrogate: 4-Bromofluorobenzene	*0.133*		"	*0.120*		*111*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.129*		"	*0.120*		*107*	*75-125*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D2606 - * DEFAULT PREP *** **										
Matrix Spike (P1D2606-MS1)	**Source: 1D22005-01**			Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.0870	0.00104	mg/kg dry	0.104	ND	83.5	80-120			
Toluene	0.0919	0.00104	"	0.104	0.00939	79.2	80-120			QM-07
Ethylbenzene	0.0961	0.00104	"	0.104	0.00341	89.0	80-120			
Xylene (p/m)	0.187	0.00208	"	0.208	0.00935	85.3	80-120			
Xylene (o)	0.0888	0.00104	"	0.104	0.00293	82.4	80-120			
Surrogate: 1,4-Difluorobenzene	*0.144*		"	*0.125*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.150*		"	*0.125*		*120*	*80-120*			
Matrix Spike Dup (P1D2606-MSD1)	**Source: 1D22005-01**			Prepared: 04/26/21 Analyzed: 04/27/21						
Benzene	0.0766	0.00104	mg/kg dry	0.104	ND	73.5	80-120	12.7	20	QM-07
Toluene	0.0811	0.00104	"	0.104	0.00939	68.8	80-120	14.0	20	QM-07
Ethylbenzene	0.0877	0.00104	"	0.104	0.00341	80.9	80-120	9.52	20	
Xylene (p/m)	0.173	0.00208	"	0.208	0.00935	78.7	80-120	8.15	20	QM-07
Xylene (o)	0.0770	0.00104	"	0.104	0.00293	71.1	80-120	14.7	20	QM-07
Surrogate: 4-Bromofluorobenzene	*0.138*		"	*0.125*		*110*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.135*		"	*0.125*		*108*	*80-120*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D2304 - * DEFAULT PREP *** **										
Blank (P1D2304-BLK1)				Prepared & Analyzed: 04/23/21						
% Moisture	ND	0.1	%							
Duplicate (P1D2304-DUP1)		**Source: 1D22003-04**		Prepared & Analyzed: 04/23/21						
% Moisture	7.0	0.1	%		8.0			13.3	20	
Duplicate (P1D2304-DUP2)		**Source: 1D22005-02**		Prepared & Analyzed: 04/23/21						
% Moisture	2.0	0.1	%		3.0			40.0	20	QM-05
Duplicate (P1D2304-DUP3)		**Source: 1D22010-10**		Prepared & Analyzed: 04/23/21						
% Moisture	8.0	0.1	%		10.0			22.2	20	QM-05
Duplicate (P1D2304-DUP4)		**Source: 1D22010-20**		Prepared & Analyzed: 04/23/21						
% Moisture	3.0	0.1	%		3.0			0.00	20	
Batch P1D2608 - * DEFAULT PREP *** **										
Blank (P1D2608-BLK1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1D2608-BS1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	397	1.00	mg/kg wet	400		99.1	90-110			
LCS Dup (P1D2608-BSD1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	397	1.00	mg/kg wet	400		99.3	90-110	0.171	20	
Calibration Check (P1D2608-CCV1)				Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	19.4		mg/kg	20.0		97.2	90-110			

Larson & Associates, Inc.
P.O. Box 50685
Midland TX, 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Project Manager: Mark Larson

Fax: (432) 687-0456

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D2608 - * DEFAULT PREP *** **										
Calibration Check (P1D2608-CCV2)				Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	19.4		mg/kg	20.0		97.2	90-110			
Calibration Check (P1D2608-CCV3)				Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	18.9		mg/kg	20.0		94.6	90-110			
Matrix Spike (P1D2608-MS1)		**Source: 1D22003-01**		Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	1350	5.56	mg/kg dry	556	732	112	80-120			
Matrix Spike (P1D2608-MS2)		**Source: 1D22004-04**		Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	528	1.14	mg/kg dry	568	19.5	89.5	80-120			
Matrix Spike Dup (P1D2608-MSD1)		**Source: 1D22003-01**		Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	1350	5.56	mg/kg dry	556	732	110	80-120	0.646	20	
Matrix Spike Dup (P1D2608-MSD2)		**Source: 1D22004-04**		Prepared: 04/26/21 Analyzed: 04/27/21						
Chloride	533	1.14	mg/kg dry	568	19.5	90.4	80-120	0.966	20	

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D2303 - TX 1005										
Blank (P1D2303-BLK1)				Prepared: 04/23/21 Analyzed: 04/26/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*128*		*"*	*100*		*128*	*70-130*			
Surrogate: o-Terphenyl	*69.2*		*"*	*50.0*		*138*	*70-130*			*S-GC*
LCS (P1D2303-BS1)				Prepared: 04/23/21 Analyzed: 04/25/21						
C6-C12	1050	25.0	mg/kg wet	1000		105	75-125			
>C12-C28	1050	25.0	"	1000		105	75-125			
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*58.1*		*"*	*50.0*		*116*	*70-130*			
LCS Dup (P1D2303-BSD1)				Prepared: 04/23/21 Analyzed: 04/26/21						
C6-C12	1030	25.0	mg/kg wet	1000		103	75-125	2.18	20	
>C12-C28	1070	25.0	"	1000		107	75-125	2.23	20	
Surrogate: 1-Chlorooctane	*122*		*"*	*100*		*122*	*70-130*			
Surrogate: o-Terphenyl	*64.9*		*"*	*50.0*		*130*	*70-130*			
Calibration Check (P1D2303-CCV1)				Prepared: 04/23/21 Analyzed: 04/25/21						
C6-C12	466	25.0	mg/kg wet	500		93.3	85-115			
>C12-C28	491	25.0	"	500		98.3	85-115			
Surrogate: 1-Chlorooctane	*121*		*"*	*100*		*121*	*70-130*			
Surrogate: o-Terphenyl	*56.1*		*"*	*50.0*		*112*	*70-130*			
Calibration Check (P1D2303-CCV2)				Prepared: 04/23/21 Analyzed: 04/26/21						
C6-C12	460	25.0	mg/kg wet	500		92.1	85-115			
>C12-C28	486	25.0	"	500		97.1	85-115			
Surrogate: 1-Chlorooctane	*117*		*"*	*100*		*117*	*70-130*			
Surrogate: o-Terphenyl	*53.2*		*"*	*50.0*		*106*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1D2303 - TX 1005										
Calibration Check (P1D2303-CCV3)				Prepared: 04/23/21 Analyzed: 04/26/21						
C6-C12	488	25.0	mg/kg wet	500		97.6	85-115			
>C12-C28	510	25.0	"	500		102	85-115			
Surrogate: 1-Chlorooctane	*114*		*"*	*100*		*114*	*70-130*			
Surrogate: o-Terphenyl	*56.8*		*"*	*50.0*		*114*	*70-130*			
Matrix Spike (P1D2303-MS1)		**Source: 1D22007-32**		Prepared: 04/23/21 Analyzed: 04/26/21						
C6-C12	1090	26.9	mg/kg dry	1080	13.1	101	75-125			
>C12-C28	1080	26.9	"	1080	13.7	98.7	75-125			
Surrogate: 1-Chlorooctane	*105*		*"*	*108*		*97.5*	*70-130*			
Surrogate: o-Terphenyl	*54.7*		*"*	*53.8*		*102*	*70-130*			
Matrix Spike Dup (P1D2303-MSD1)		**Source: 1D22007-32**		Prepared: 04/23/21 Analyzed: 04/26/21						
C6-C12	1120	26.9	mg/kg dry	1080	13.1	103	75-125	2.19	20	
>C12-C28	1110	26.9	"	1080	13.7	102	75-125	3.02	20	
Surrogate: 1-Chlorooctane	*108*		*"*	*108*		*100*	*70-130*			
Surrogate: o-Terphenyl	*61.0*		*"*	*53.8*		*113*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 4/30/2021

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Pewitt No 1	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 21-0107-01	
Midland TX, 79710	Project Manager: Mark Larson	

№1416

CHAIN-OF-CUSTODY

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 200
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 4/22/2021 PAGE 1 OF 1

PO#: _____ LAB WORK ORDER#: 1D22005

PROJECT LOCATION OR NAME: Pecos No. 1

LAI PROJECT #: 21-0107-01 COLLECTOR: LN

TRRP report? ☐ Yes ☒ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

TIME ZONE: Time zone/State: MST

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐	TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	OIL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐	PAH 8270 ☐	HOLDPAH ☐	8081 PESTICIDES ☐	8151 HERBICIDES ☐	8082 PCBS ☐	TBLP - METALS (RCRA) ☐	TCLP VOC ☐	TCLP - PEST ☐	HERB ☐	Semi-VOC ☐	TOTAL METALS (RCRA) ☐	OTHER LIST ☐	LEAD - TOTAL ☐	D.W. 200.8 ☐	TCLP ☐	RCI ☐	TOX ☐	FLASHPOINT ☐	TDS ☐	TSS ☐	% MOISTURE ☐	pH ☐	CYANIDE ☐	HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐	PECHLORATE ☐	CHLORIDES ☒	ANIONS ☐	ALKALINITY ☐	FIELD NOTES
C-15	1	4/21/21	1003	S	1				X		X		X	X	X																										X				
C-18	2	"	1004	"	"				"		"		"	"	"																										"				
C-24	3	"	1005	"	"				"		"		"	"	"																										"				
C-25	4	"	1006	"	"				"		"		"	"	"																										"				
C-32	5	"	1007	"	"				"		"		"	"	"																										"				
C-39	6	"	1008	"	"				"		"		"	"	"																										"				
D-4	7	"	1009	"	"				"		"		"	"	"																										"				
TOTAL																																													

RELINQUISHED BY:(Signature) DATE/TIME 4/22/21 9:23 RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME 4/22/21 923 RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 4.9-5.9 THERM#: CF1, C2
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ HAND DELIVERED

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

PBELAB

Analytical Report

Prepared for:

Mark Larson
Larson & Associates, Inc.
P.O. Box 50685
Midland, TX 79710

Project: Pewitt No 1
Project Number: 21-0107-01
Location:

Lab Order Number: 1E10009

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 05/20/21

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-39	1E10009-01	Soil	05/10/21 08:27	05-10-2021 16:34
Backfill-1	1E10009-02	Soil	05/10/21 09:01	05-10-2021 16:34
Backfill-2	1E10009-03	Soil	05/10/21 09:02	05-10-2021 16:34
Backfill-3	1E10009-04	Soil	05/10/21 09:03	05-10-2021 16:34
Backfill-4	1E10009-05	Soil	05/10/21 09:04	05-10-2021 16:34

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

C-39

1E10009-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 00:59	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 00:59	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 00:59	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 00:59	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 00:59	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 00:59*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 00:59*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**49.1**	1.04	mg/kg dry	1	P1E1410	05/14/21 16:15	05/17/21 09:32	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1E1201	05/12/21 08:34	05/12/21 09:28	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 11:38	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 11:38	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 11:38	TPH 8015M	
Surrogate: 1-Chlorooctane		*96.9 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 11:38*	*TPH 8015M*	
Surrogate: o-Terphenyl		*95.1 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 11:38*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/11/21 15:57	05/12/21 11:38	calc	

Larson & Associates, Inc.	Project: Pewitt No 1
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Midland TX, 79710	Project Manager: Mark Larson

Backfill-1

1E10009-02 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 01:19	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 01:19	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 01:19	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 01:19	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 01:19	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 01:19*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*113 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 01:19*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**16.0**	1.04	mg/kg dry	1	P1E1410	05/14/21 16:15	05/17/21 14:35	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1E1201	05/12/21 08:34	05/12/21 09:28	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:01	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:01	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:01	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.2 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 12:01*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.0 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 12:01*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/11/21 15:57	05/12/21 12:01	calc	

Larson & Associates, Inc.	Project: Pewitt No 1
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Midland TX, 79710	Project Manager: Mark Larson

Backfill-2

1E10009-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:21	EPA 8021B	
Toluene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:21	EPA 8021B	
Ethylbenzene	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:21	EPA 8021B	
Xylene (p/m)	ND	0.00208	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:21	EPA 8021B	
Xylene (o)	ND	0.00104	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*105 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 02:21*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*107 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 02:21*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**47.7**	1.04	mg/kg dry	1	P1E1410	05/14/21 16:15	05/17/21 15:33	EPA 300.0	
% Moisture	**4.0**	0.1	%	1	P1E1201	05/12/21 08:34	05/12/21 09:28	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:23	TPH 8015M	
>C12-C28	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:23	TPH 8015M	
>C28-C35	ND	26.0	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:23	TPH 8015M	
Surrogate: 1-Chlorooctane		*98.5 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 12:23*	*TPH 8015M*	
Surrogate: o-Terphenyl		*101 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 12:23*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.0	mg/kg dry	1	[CALC]	05/11/21 15:57	05/12/21 12:23	calc	

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

Backfill-3

1E10009-04 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:41	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:41	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:41	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:41	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 02:41	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*108 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 02:41*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 02:41*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**6.63**	1.01	mg/kg dry	1	P1E1410	05/14/21 16:15	05/17/21 15:48	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P1E1201	05/12/21 08:34	05/12/21 09:28	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	25.3	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:46	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:46	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 12:46	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.3 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 12:46*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.7 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 12:46*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	05/11/21 15:57	05/12/21 12:46	calc	

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

Backfill-4

1E10009-05 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00106	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 03:02	EPA 8021B	
Toluene	ND	0.00106	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 03:02	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 03:02	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 03:02	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P1E1213	05/12/21 16:52	05/13/21 03:02	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*105 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 03:02*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*107 %*	*80-120*		*P1E1213*	*05/12/21 16:52*	*05/13/21 03:02*	*EPA 8021B*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**14.2**	1.06	mg/kg dry	1	P1E1410	05/14/21 16:15	05/17/21 16:04	EPA 300.0	
% Moisture	**6.0**	0.1	%	1	P1E1201	05/12/21 08:34	05/12/21 09:28	ASTM D2216	
Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M									
C6-C12	ND	26.6	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 13:09	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 13:09	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P1E1107	05/11/21 15:57	05/12/21 13:09	TPH 8015M	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 13:09*	*TPH 8015M*	
Surrogate: o-Terphenyl		*99.3 %*	*70-130*		*P1E1107*	*05/11/21 15:57*	*05/12/21 13:09*	*TPH 8015M*	
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/11/21 15:57	05/12/21 13:09	calc	

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1213 - * DEFAULT PREP *** **										
Blank (P1E1213-BLK1)				Prepared & Analyzed: 05/12/21						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*99.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.120*		*98.1*	*80-120*			
LCS (P1E1213-BS1)				Prepared & Analyzed: 05/12/21						
Benzene	0.100	0.00100	mg/kg wet	0.100		100	70-130			
Toluene	0.0986	0.00100	"	0.100		98.6	70-130			
Ethylbenzene	0.0934	0.00100	"	0.100		93.4	70-130			
Xylene (p/m)	0.205	0.00200	"	0.200		103	70-130			
Xylene (o)	0.0944	0.00100	"	0.100		94.4	70-130			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.123*		*"*	*0.120*		*102*	*80-120*			
LCS Dup (P1E1213-BSD1)				Prepared & Analyzed: 05/12/21						
Benzene	0.104	0.00100	mg/kg wet	0.100		104	70-130	3.27	20	
Toluene	0.102	0.00100	"	0.100		102	70-130	3.31	20	
Ethylbenzene	0.0956	0.00100	"	0.100		95.6	70-130	2.34	20	
Xylene (p/m)	0.210	0.00200	"	0.200		105	70-130	2.53	20	
Xylene (o)	0.0968	0.00100	"	0.100		96.8	70-130	2.54	20	
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Calibration Blank (P1E1213-CCB2)				Prepared: 05/12/21 Analyzed: 05/13/21						
Benzene	0.00		mg/kg wet							
Toluene	0.00		"							
Ethylbenzene	0.00		"							
Xylene (p/m)	0.00		"							
Xylene (o)	0.00		"							
Surrogate: 4-Bromofluorobenzene	*0.121*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1213 - * DEFAULT PREP *** **										
Calibration Check (P1E1213-CCV2)				Prepared: 05/12/21 Analyzed: 05/13/21						
Benzene	0.0890	0.00100	mg/kg wet	0.100		89.0	80-120			
Toluene	0.0820	0.00100	"	0.100		82.0	80-120			
Ethylbenzene	0.0810	0.00100	"	0.100		81.0	80-120			
Xylene (p/m)	0.163	0.00200	"	0.200		81.6	80-120			
Xylene (o)	0.0805	0.00100	"	0.100		80.5	80-120			
Surrogate: 4-Bromofluorobenzene	*0.122*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.126*		*"*	*0.120*		*105*	*75-125*			
Calibration Check (P1E1213-CCV3)				Prepared: 05/12/21 Analyzed: 05/13/21						
Benzene	0.0958	0.00100	mg/kg wet	0.100		95.8	80-120			
Toluene	0.0911	0.00100	"	0.100		91.1	80-120			
Ethylbenzene	0.0872	0.00100	"	0.100		87.2	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		91.9	80-120			
Xylene (o)	0.0902	0.00100	"	0.100		90.2	80-120			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*106*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.128*		*"*	*0.120*		*106*	*75-125*			
Matrix Spike (P1E1213-MS1)		**Source: 1E06004-01**		Prepared: 05/12/21 Analyzed: 05/13/21						
Benzene	0.0805	0.00108	mg/kg dry	0.108	ND	74.8	80-120			QM-07
Toluene	0.0722	0.00108	"	0.108	ND	67.2	80-120			QM-07
Ethylbenzene	0.0631	0.00108	"	0.108	ND	58.7	80-120			QM-07
Xylene (p/m)	0.134	0.00215	"	0.215	ND	62.3	80-120			QM-07
Xylene (o)	0.0667	0.00108	"	0.108	ND	62.0	80-120			QM-07
Surrogate: 1,4-Difluorobenzene	*0.139*		*"*	*0.129*		*108*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.140*		*"*	*0.129*		*109*	*80-120*			
Matrix Spike Dup (P1E1213-MSD1)		**Source: 1E06004-01**		Prepared: 05/12/21 Analyzed: 05/13/21						
Benzene	0.0782	0.00108	mg/kg dry	0.108	ND	72.7	80-120	2.87	20	
Toluene	0.0706	0.00108	"	0.108	ND	65.7	80-120	2.24	20	
Ethylbenzene	0.0618	0.00108	"	0.108	ND	57.5	80-120	2.10	20	
Xylene (p/m)	0.132	0.00215	"	0.215	ND	61.4	80-120	1.48	20	
Xylene (o)	0.0655	0.00108	"	0.108	ND	60.9	80-120	1.85	20	
Surrogate: 4-Bromofluorobenzene	*0.143*		*"*	*0.129*		*111*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.141*		*"*	*0.129*		*110*	*80-120*			

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1201 - * DEFAULT PREP *** **										
Blank (P1E1201-BLK1)				Prepared & Analyzed: 05/12/21						
% Moisture	ND	0.1	%							
Blank (P1E1201-BLK2)				Prepared & Analyzed: 05/12/21						
% Moisture	ND	0.1	%							
Duplicate (P1E1201-DUP1)		**Source: 1E10001-10**		Prepared & Analyzed: 05/12/21						
% Moisture	8.0	0.1	%		9.0			11.8	20	
Duplicate (P1E1201-DUP2)		**Source: 1E10001-20**		Prepared & Analyzed: 05/12/21						
% Moisture	14.0	0.1	%		15.0			6.90	20	
Duplicate (P1E1201-DUP3)		**Source: 1E10001-35**		Prepared & Analyzed: 05/12/21						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P1E1201-DUP4)		**Source: 1E10001-45**		Prepared & Analyzed: 05/12/21						
% Moisture	13.0	0.1	%		13.0			0.00	20	
Duplicate (P1E1201-DUP5)		**Source: 1E10001-60**		Prepared & Analyzed: 05/12/21						
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P1E1201-DUP6)		**Source: 1E10004-09**		Prepared & Analyzed: 05/12/21						
% Moisture	9.0	0.1	%		9.0			0.00	20	
Duplicate (P1E1201-DUP7)		**Source: 1E10006-03**		Prepared & Analyzed: 05/12/21						
% Moisture	12.0	0.1	%		12.0			0.00	20	
Duplicate (P1E1201-DUP8)		**Source: 1E10006-13**		Prepared & Analyzed: 05/12/21						
% Moisture	11.0	0.1	%		11.0			0.00	20	

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1201 - * DEFAULT PREP *** **										
Duplicate (P1E1201-DUP9)	**Source: 1E10009-02**			Prepared & Analyzed: 05/12/21						
% Moisture	5.0	0.1	%		4.0			22.2	20	R3
Duplicate (P1E1201-DUPA)	**Source: 1E11002-06**			Prepared & Analyzed: 05/12/21						
% Moisture	8.0	0.1	%		7.0			13.3	20	
Batch P1E1410 - * DEFAULT PREP *** **										
Blank (P1E1410-BLK1)				Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	ND	1.00	mg/kg wet							
LCS (P1E1410-BS1)				Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	412	1.00	mg/kg wet	400		103	90-110			
LCS Dup (P1E1410-BSD1)				Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	427	1.00	mg/kg wet	400		107	90-110	3.61	20	
Calibration Check (P1E1410-CCV1)				Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	21.5		mg/kg	20.0		108	90-110			
Calibration Check (P1E1410-CCV2)				Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	20.8		mg/kg	20.0		104	90-110			
Calibration Check (P1E1410-CCV3)				Prepared: 05/14/21 Analyzed: 05/18/21						
Chloride	20.7		mg/kg	20.0		104	90-110			
Matrix Spike (P1E1410-MS1)	**Source: 1E10007-05**			Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	10100	27.2	mg/kg dry	2720	7330	102	80-120			

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1410 - * DEFAULT PREP *** **										
Matrix Spike (P1E1410-MS2)	**Source: 1E11002-02**			Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	3110	10.5	mg/kg dry	1050	1890	116	80-120			
Matrix Spike Dup (P1E1410-MSD1)	**Source: 1E10007-05**			Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	10200	27.2	mg/kg dry	2720	7330	104	80-120	0.349	20	
Matrix Spike Dup (P1E1410-MSD2)	**Source: 1E11002-02**			Prepared: 05/14/21 Analyzed: 05/17/21						
Chloride	3140	10.5	mg/kg dry	1050	1890	119	80-120	1.16	20	

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1107 - TX 1005										
Blank (P1E1107-BLK1)				Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	*79.8*		"	*100*		*79.8*	*70-130*			
Surrogate: o-Terphenyl	*41.2*		"	*50.0*		*82.5*	*70-130*			
LCS (P1E1107-BS1)				Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	823	25.0	mg/kg wet	1000		82.3	75-125			
>C12-C28	769	25.0	"	1000		76.9	75-125			
Surrogate: 1-Chlorooctane	*103*		"	*100*		*103*	*70-130*			
Surrogate: o-Terphenyl	*46.0*		"	*50.0*		*91.9*	*70-130*			
LCS Dup (P1E1107-BSD1)				Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	797	25.0	mg/kg wet	1000		79.7	75-125	3.27	20	
>C12-C28	877	25.0	"	1000		87.7	75-125	13.1	20	
Surrogate: 1-Chlorooctane	*101*		"	*100*		*101*	*70-130*			
Surrogate: o-Terphenyl	*41.6*		"	*50.0*		*83.3*	*70-130*			
Calibration Check (P1E1107-CCV1)				Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	452	25.0	mg/kg wet	500		90.4	85-115			
>C12-C28	450	25.0	"	500		90.0	85-115			
Surrogate: 1-Chlorooctane	*91.3*		"	*100*		*91.3*	*70-130*			
Surrogate: o-Terphenyl	*40.9*		"	*50.0*		*81.9*	*70-130*			
Calibration Check (P1E1107-CCV2)				Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	459	25.0	mg/kg wet	500		91.9	85-115			
>C12-C28	460	25.0	"	500		92.1	85-115			
Surrogate: 1-Chlorooctane	*108*		"	*100*		*108*	*70-130*			
Surrogate: o-Terphenyl	*48.5*		"	*50.0*		*97.1*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

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

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1E1107 - TX 1005										
Calibration Check (P1E1107-CCV3)				Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	495	25.0	mg/kg wet	500		98.9	85-115			
>C12-C28	458	25.0	"	500		91.7	85-115			
Surrogate: 1-Chlorooctane	*105*		*"*	*100*		*105*	*70-130*			
Surrogate: o-Terphenyl	*46.0*		*"*	*50.0*		*91.9*	*70-130*			
Matrix Spike (P1E1107-MS1)		**Source: 1E10009-01**		Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	923	26.0	mg/kg dry	1040	ND	88.6	75-125			
>C12-C28	905	26.0	"	1040	10.2	85.9	75-125			
Surrogate: 1-Chlorooctane	*126*		*"*	*104*		*121*	*70-130*			
Surrogate: o-Terphenyl	*48.6*		*"*	*52.1*		*93.3*	*70-130*			
Matrix Spike Dup (P1E1107-MSD1)		**Source: 1E10009-01**		Prepared: 05/11/21 Analyzed: 05/12/21						
C6-C12	931	26.0	mg/kg dry	1040	ND	89.4	75-125	0.850	20	
>C12-C28	917	26.0	"	1040	10.2	87.1	75-125	1.37	20	
Surrogate: 1-Chlorooctane	*121*		*"*	*104*		*116*	*70-130*			
Surrogate: o-Terphenyl	*42.4*		*"*	*52.1*		*81.5*	*70-130*			

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

Notes and Definitions

ROI	Received on Ice
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BULK	Samples received in Bulk soil containers
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 5/20/2021

Brent Barron, Laboratory Director/Technical Director

Larson & Associates, Inc.	Project: Pewitt No 1
P.O. Box 50685	Project Number: 21-0107-01
Midland TX, 79710	Project Manager: Mark Larson

№ 1586

CHAIN-OF-CUSTOD

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202
Midland, TX 79701
432-687-0901

Data Reported to:

DATE: 5/10/2021 PAGE 1 OF 1

PO#: LAB WORK ORDER#: 1E10009

PROJECT LOCATION OR NAME: Permit No. 1

LAI PROJECT #: 21-0107-01 COLLECTOR: RW

TRRP report? ☐ Yes ☒ No

TIME ZONE: Time zone/State: MST

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESSERVED

ANALYSES: BTEX ☒ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☐ | OIL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	Lab #	Date	Time	Matrix	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESSERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐	TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☐	OIL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐	pH ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
C-39	1	5/10/21	8:27	S	1				X		X		X	X	X													X		
Backfill-1	2	"	9:01	"	"				"		"		"	"	"													"		
Backfill-2	3	"	9:02	"	"				"		"		"	"	"													"		
Backfill-3	4	"	9:03	"	"				"		"		"	"	"													"		
Backfill-4	5	"	9:04	"	"				"		"		"	"	"													"		
TOTAL																														

RELINQUISHED BY:(Signature) DATE/TIME 5/10/21 4:34 RECEIVED BY: (Signature) Tiffany Bledsoe

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY:(Signature) DATE/TIME RECEIVED BY: (Signature)

LABORATORY: PBEL

TURN AROUND TIME
NORMAL ☒
1 DAY ☐
2 DAY ☐
OTHER ☐

LABORATORY USE ONLY:
RECEIVING TEMP: 13.7 14.7 THERM#: CF+1 L2
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ HAND DELIVERED

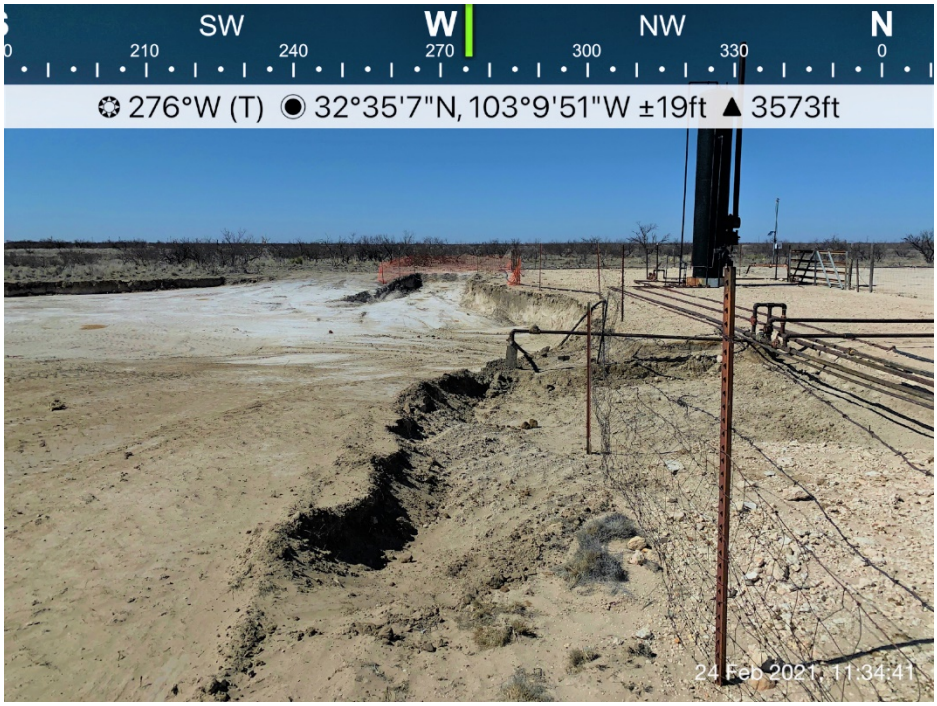
Appendix E

Photographs

View of location sign

View of Spill Area

View of Spill Area

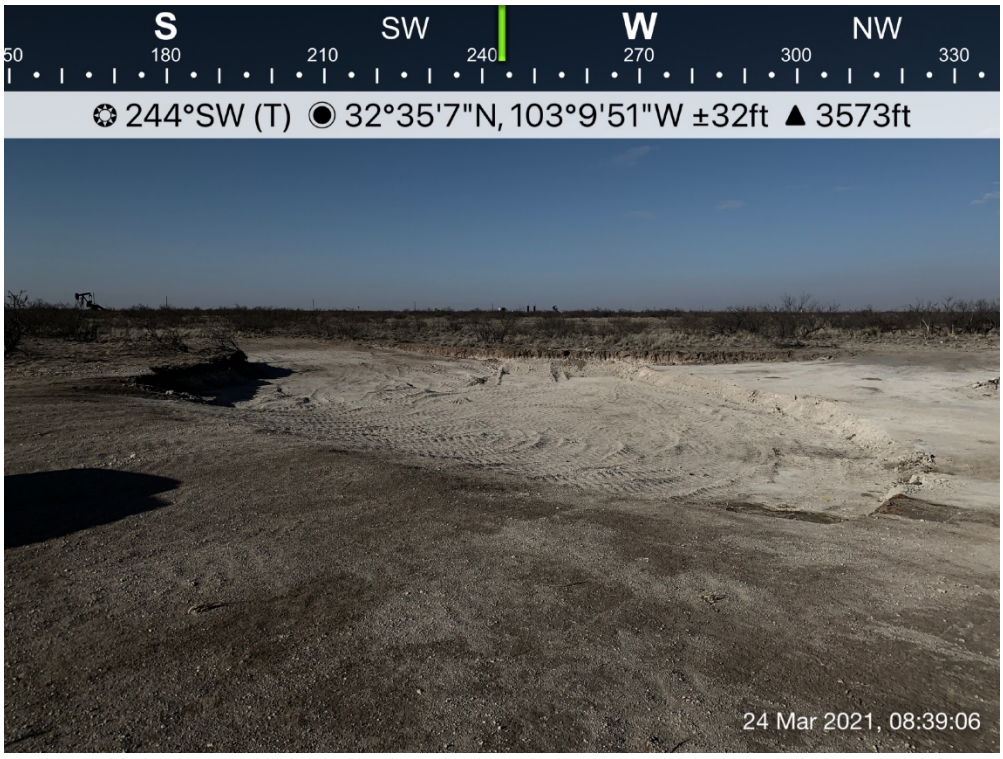


View of Excavated Area, February 24, 2021

View of Excavated Area, February 24, 2021

View of Excavated Area, February 24, 2021

Additional Excavated Soil, March 24, 2021



Additional Excavated Soil, March 24, 2021

Additional Excavated Soil, March 24, 2021

Additional Excavated Soil, April 21, 2021

Additional Excavated Soil, April 21, 2021

Additional Excavated Soil, May 10, 2021

Appendix B

OCD Communications

From: Matt Jolly
To: Joey Hardin; Robert Nelson
Subject: Fwd: The Oil Conservation Division (OCD) has rejected the application, Application ID: 30657
Date: Tuesday, August 10, 2021 8:13:52 AM

Robert,

Please see email below from the OCD. Call me when you have some time to discuss.

Thanks,

Matt

Get Outlook for iOS

From: Barbara Rieff <rawoilandgas@raw-energy.net>
Sent: Tuesday, August 10, 2021 8:06:21 AM
To: Joey Hardin <rawenergy@raw-energy.net>; Matt Jolly <mattjolly@raw-energy.net>
Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 30657

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, August 9, 2021 3:33 PM
To: Barbara Rieff <rawoilandgas@raw-energy.net>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 30657

To whom it may concern (c/o Barbara Rieff for RAW OIL & GAS, INC.),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2106246595,
for the following reasons:

- **The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater.**
- **USGS historical groundwater well 323505103100201 shows water at 44.02 bgs. at a distance of 0.4 miles gauged in 2/2/2001.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 30657.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Chad Hensley
Environmental Science & Specialist
575-703-1723
Chad.Hensley@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Appendix C

GWB-1 Boring Log

BORING RECORD

Start: 10:12
Finish: 11:19

GEOLOGIC UNIT	DEPTH	DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG
	0	Sand,10YR 8/5, Very Pale Brown, Fine Grained Quartz Sand, Moderately Sorted with 0.5-1mm Clasts	SW	
	5	Caliche, 7.5YR 7/3, Pink, Moderately Sorted with 1-2mm Clasts	Caliche	
	35	Sand, 7.5YR 7/3, Pink, Fine Grained Quartz Sand, Moderately Sorted, 0.5-1mm Clasts	SW	
	55	Increase in Sorting to Well Sorted @ 60' and Change in Color to 7.5YR 6/3, Light Brown		
	60	TD: 60' Dry After 72 Hours		

PID READING
PPM X _____
2 4 6 8 10 12 14 16 18

SAMPLE
NUMBER | PID READING | RECOVERY | DEPTH

REMARKS
BACKGROUND PID READING
SOIL : _____ PPM
SOIL : _____ PPM

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HRS)
WATER TABLE (TIME OF BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/ SQ. FT)
NR NO RECOVERY

Larson & Associates, Inc. Environmental Consultants

DRILL DATE : 09/13/2021

BORING NUMBER : GWB-1

JOB NUMBER : Raw Oil & Gas/ 21-0107-01
HOLE DIAMETER : 5"
LOCATION : Pewitt No.1/ Raley A No.1
LAI GEOLOGIST : R. Nelson
DRILLING CONTRACTOR : SDI
DRILLING METHOD : Air Rotary

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

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

CONDITIONS

Action 56348

CONDITIONS

Operator: RAW OIL & GAS, INC. 1415 Buddy Holly Ave Lubbock, TX 79401	OGRID: 371846
	Action Number: 56348
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	11/18/2021