# **Partial Remediation Summary & Deferral Request**

### Permian Resources Airstream 603-605

Lea County, New Mexico Unit Letter, Section, Township South, Range East

NMOCD Reference No. nAPP2320839776 Latitude 32.38642 North, Longitude 103.42057 West

NMOCD Reference No. nAPP2329127081 Latitude 32.38640 North, Longitude 103.42045 West

Prepared By:

Etech Environmental & Safety Solutions, Inc. 2617 W. Marland Hobbs, New Mexico 88240

Ben Arguijo

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Joel W. Lowry



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### **1.0 PROJECT INFORMATION**

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Permian Resources (Permian), has prepared this *Partial Remediation Summary and Deferral Request* for the release sites known as the Airstream 603-605 (henceforth referred to collectively as, "Site"). The legal description of the Site is Unit Letter "O", Section 13, Township 22 South, Range 34 East, in Lea County, New Mexico. The property affected by the release is owned by the State of New Mexico and is administered by the New Mexico State Land Office (NMSLO). A "Site Location Map" is provided as Figure 1.

On July 17, 2023, Permian discovered a release at the Airstream Central Tank Battery. The initial Release Notification and Corrective Action (NMOCD Form C-141) indicated that corrosion resulted in the release of approximately seventy-eight (78) barrels (bbls) of crude oil. During initial response activities, the release site was secured, and a vacuum truck was utilized to recover approximately seventy (70) bbls of free-standing liquids.

On October 16, 2023, while remediating the first release, a second release occurred at the tank battery. The initial NMOCD Form C-141 indicated that the failure of a sight glass on a separator resulted in the release of approximately twenty-one (21) bbls of crude oil and five (5) bbls of produced water. During initial response activities, the release site was secured, and a vacuum truck was utilized to recover approximately eighteen (18) bbls of crude oil and four (4) bbls of produced water. The releases affected similar areas and will be remediated concurrently.

### 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. In addition, on July 12, 2024, a temporary depth to groundwater determination bore was installed at the Site. The temporary depth to groundwater determination bore (CP-02005) was drilled to a total depth of sixty-five (65) ft. below ground surface (bgs) and left open for a minimum seventy-two (72) hours. On July 16, 2024, the temporary depth to groundwater determination bore was gauged and the static water level was determined to be sixty (60) ft. bgs. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	60	Feet
Did the release impact groundwater or surface water?	Yes	X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes Yes	X 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	X No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	Yes Yes	X 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	X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes	X No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes Yes	X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes	X No
Are the lateral extents of the release overlying a subsurface mine?	Yes	X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes	X No
Are the lateral extents of the release within a 100-year floodplain?	Yes	X No
Did the release impact areas not on an exploration, development, production or storage site?	Yes	X No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 5 and 6.

### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	-	100
60 Feet	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

\* Measured in milligrams per kilogram (mg/kg)

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

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

### 4.0 BACKGROUND

Upon discovering the release remediation activities commenced at the Site. Impacted material in the lined process area was removed to the maximum extent practicable given the congested nature of the facility and proximity to active process equipment. The floor of the excavation was advanced to the underlying polyurethane liner, or a depth of approximately one (1) to one and one-half (1.5) ft. bgs. The sidewalls of the excavated area were advanced to the maximum extent practicable while ensuring the continued stability of the facility's above-ground process equipment. During the course of excavation activities, great care was taken to maintain the integrity of the underlying polyurethane liner although it was already compromised in the southwestern portion of the Site where impacts were excavated to an approximate depth of five (5) ft. bgs. Impacted material was temporarily stockpiled on-site, atop an impermeable liner pending transportation to an NMOCD-approved surface waste facility.

On October 16, 2023, a second release occurred at the facility. The release affected portions of the existing excavation along with an area on the north side of the facility.

On January 9, 2024, Etech assumed remediation responsibilities at the Site. Heavily impacted material on the north side of the tank battery facility was scraped and temporarily stockpiled on-site, atop an impermeable liner pending transportation to an NMOCD-approved surface waste facility. Affected portions of the polyurethane liner were cleaned to the extent practicable and impacted material beneath and adjacent to the on-site process equipment was excavated by hand in an effort to remove additional contamination while preserving the continued stability of the facility's above-ground process equipment.

September 16, 2024, Permian submitted a *Site Assessment Report, Proposed Remediation Workplan & Partial Deferral Request* detailing field activities conducted to date and laboratory analytical results from delineation and deferral characterization soil samples. The *Workplan* proposed excavating impacted material affected above the NMOCD Closure Criteria to the maximum extent practicable given the proximity to active tank battery equipment including, but not limited to, the heater treater, horizontal separators, tank battery containment and associated above ground equipment. Impacted material remaining in-situ adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment will be remediated upon abandoning and decommissioning that facility or during a major facility deconstruction. Etech maintains excavating impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment will results in a major facility deconstruction. The *Workplan* was subsequently approved.

### 5.0 SUMMARY OF FIELD ACTIVITIES

On January 22, 2024, Etech conducted an assessment at the Site. During the assessment, twelve (12) soil samples (SP 1 @ 1', SP 2 @ 6', SP 3 @ 1', SP 4 @ 1', EH-1 @ 1', EH-2 @ 1', NH-1 @ 1', NH-2 @ 1', SH-1 @ 1', SH-2 @ 1', WH-1 @ 1' and WH-2 @ 1') were collected in an effort to further investigate the vertical and horizontal extent of soil impacts at the Site. The collected soil samples were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil sample SP 2 @ 6', which exhibited a concentration of 134 mg/kg. TPH concentrations were below the NMOCD Closure Criteria in each of soil samples SP 1 @ 1', SP 2 @ 6', SP 3 @ 1' and SP 4 @ 1' which exhibited concentrations of 18,300 mg/kg, 5,550 mg/kg, 15,400 mg/kg and 9,990 mg/kg, respectively. A "Delineation Map" is provided as Figure 3. Laboratory analytical reports are provided in Appendix D.

On January 31, 2024, Etech revisited the Site. During the site visit, fourteen (14) soil samples (SP-1 @ 2'-R, SP-2 @ 3'-R, SP-3 @ 2'-R, SP-4 @ 10'-R, EH-1 @ Surf., EH2b @ Surf., EH-2b @ 1', NH - 1 @ Surf, NH - 2 @ Surf, SH - 2b @ 1', WH - 1 @ Surf and WH - 2 @ Surf.) were collected in an effort to further investigate the vertical and horizontal extent of soil impacts at the Site. The collected soil samples were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil sample SP-4 @10'-R, which exhibited a concentration of 17.1 mg/kg. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples SP-2 @ 3'-R, SP-3 @ 2'-R and SP-4 @ 10'-R, which exhibited concentrations of 110 mg/kg, 261 mg/kg and 632 mg/kg, respectively. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples soil samples with the exception of 4,000 mg/kg, 7,460 mg/kg and 10,100 mg/kg, respectively. Chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples soil samples with the exception of the submitted soil samples soil samples with the exception of 4,000 mg/kg, 7,460 mg/kg and 10,100 mg/kg, respectively. Chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

In addition, Etech utilized a hand-auger to collect sixteen (16) deferral characterization soil samples (DEF - 1 @ 6", DEF -1 @ 6' R, DEF - 2 @ 6", DEF - 2 @ 2', DEF - 3 @ 6", DEF - 3 @ 3'-R, DEF - 4 @ 6", DEF - 4 @ 4'-R, DEF - 5 @ 6", DEF - 5 @ 8'-R, DEF - 6 @ 6", DEF - 6 @ 5'-R, DEF - 7 @ 6", DEF - 7 @ 1.5', DEF - 8 @ 6", DEF - 8 @ 1') in an effort to characterize impacts proximate to the lined containment areas and active above ground equipment. The collected soil samples were submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples DEF-1 @ 6", DEF-1 @ 6'-R, DEF-3 @ 2'-R, DEF-5 @ 8'-R and DEF-6 @ 6", which exhibited concentrations of 56.0 mg/kg, 240 mg/kg, 180 mg/kg, 483 mg/kg and 102 mg/kg, respectively. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples DEF - 1 @ 6", DEF - 1 @ 6'-R, DEF - 2 @ 6", DEF - 2 @ 2', DEF - 3 @ 6", DEF - 3 @ 3' R, DEF - 4 @ 6", DEF - 5 @ 6", DEF - 5 @ 8'-R and DEF - 6 @ 6", which exhibited concentrations of 12,200 mg/kg, 8,180 mg/kg, 4,250 mg/kg, 4,970 mg/kg, 23,100 mg/kg, 7,920 mg/kg, 33,400 mg/kg, 27,600 mg/kg, 7,650 mg/kg and 43,200 mg/kg, respectively. Soil sample DEF-4 @ 4'-R exhibited a combined GRO & DRO of 1,780 mg/kg, which exceeded the NMOCD Closure Criteria. Chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Further advancement of the hand-augered soil bores was precluded due to site conditions and limitations of the hand-auger. Based on laboratory analytical results from deferral characterization soil samples, additional investigation was warranted in the areas characterized by sample points DEF-1 though DEF-5. Full delineation was achieved in the area characterized by DEF-6 and soil was not impacted above the NMOCD Closure Criteria in the areas characterized by sample points DEF-7 and DEF-8.

On March 13, 2024, Etech revisited the Site in an effort to further characterize impacts in the areas characterized by sample points SP-1, DEF-1, DEF-3, DEF-4, DEF-5 and DEF-8. During the site visit, a mini-excavator was utilized to advance a series of delineation trenches. During the advancement of the delineation trenches, six (6) soil samples (SP 1 @ 3'. DEF 1 @ 12', DEF 3 @ 12', DEF 4 @ 5', DEF 5 @ 9', and DEF 8 @ 2') were collected and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of

soil samples DEF 1 @ 12' and DEF 3 @ 12', which exhibited concentrations of 206 mg/kg and 200 mg/kg, respectively. TPH concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples DEF 1 @ 12' and DEF 3 @ 12', which exhibited concentrations of 10,600 mg/kg and 10,700 mg/kg, respectively. Based on laboratory analytical results from the collected soil samples, additional investigation was warranted in the area characterized by sample points DEF 1 and DEF 3.

On July 16, 2024, an air rotary environmental drilling rig was utilized to advance an investigative boring (BH) proximate to sample points DEF-1 and SP-2. During the advancement of the investigative soil boring, three (3) soil samples (BH @ 20', BH @ 24' and BH @ 28') were collected and submitted to the laboratory for analysis of benzene, BTEX, TPH and chloride concentrations. Laboratory analytical results indicated benzene, BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples.

On September 12, 2024, an alternative environmental contractor completed the excavation of accessible soil impacts present in the southwestern portion of the release site. The floor and sidewalls of the excavated area were advanced until field observations suggested BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria. Five, (5) soil samples (FL @ 7', EW 1, NW 1, SW 1, and WW 1) were collected and submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations which were determined to be below the NMOCD Closure Criteria.

September 16, 2024, Permian submitted a *Site Assessment Report, Proposed Remediation Workplan & Partial Deferral Request* detailing field activities conducted to date and laboratory analytical results from delineation and deferral characterization soil samples. The *Workplan* proposed excavating impacted material affected above the NMOCD Closure Criteria to the maximum extent practicable given the proximity to active tank battery equipment including, but not limited to, the heater treater, horizontal separators, tank battery containment and associated above ground equipment. Impacted material remaining in-situ adjacent to and beneath the heater treater, horizontal separators, tank battery containment and decommissioning that facility or during a major facility deconstruction. Etech maintains excavating impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment will results in a major facility deconstruction. The *Workplan* was subsequently approved.

On December 12, 2024, remediation activities resumed at the release site. Impacted material affected above the NMOCD Closure Criteria remaining on the north side of the active tank battery facility was excavated and temporarily stockpiled onsite. The floor of the excavated area was advanced until laboratory analytical results from excavation confirmation soil samples indicated concentrations of BTEX, TPH and chloride were below the NMOCD Closure Criteria. The sidewalls of the excavated area were advanced toward the North, West and East until laboratory analytical results indicated concentrations of BTEX, TPH and chloride were below the NMOCD Closure Criteria. The sidewalls of the excavated area were advanced toward the North, West and East until laboratory analytical results indicated toward the south to the maximum extent practicable given the unstable nature of the sandy soil and proximity to the active tank battery facility.

On January 2, 2025, Etech collected twenty-six (26) excavation confirmation soil samples (FL 1 @ 8', FL 2 @ 21', FL 3 @ 21', FL 4 @ 20', FL 5 @ 15', FL 6 @ 15', FL 7 @ 4', FL 8 @ 5', EW 1 @ 0-4', EW 2 @ 4-8', NW 1 @ 0-4', NW 2 @ 0-4', NW 3 @ 4-8', NW 4 @ 4-8', NW 5 @ 8-12', NW 6 @ 12-16', NW 7 @ 16-20', NW 8 @ 0-4', NW 9 @ 4-8', NW 10 @ 8-12', NW 11 @ 12-16', NW 12 @ 16-20', NW 13, WW 1, WW 2 and WW 3) from the floor and sidewalls of the excavated area. Laboratory analytical results indicated BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. A "Site and Sample Location Map" is provided as Figure 4.

In addition, Etech collected twelve (12) deferral characterization soil samples (SW 1 - DEF @ 0-4', SW 1 - DEF @ 12'-16', SW 1 - DEF @ 16'-20', SW 1 - DEF @ 4'-8', SW 1 - DEF @ 8'-12', SW 2 - DEF @ 0-4', SW 2 - DEF @ 12'-16', SW 2 - DEF @ 16'-20', SW 2 - DEF @ 4'-8', SW 2 - DEF @ 8'-12', SW 3 - DEF @ 0-4' and SW 3 - DEF @ 4'-8') from the south sidewall and associated benches in an effort to characterize impacted material remaining in-situ to support and ensure the integrity of the active tank battery facility. Laboratory analytical results indicated benzene concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Analytical results indicated BTEX and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples SW 1 – DEF @ 0-4' and SW 1 – DEF @ 16-20' which exhibited BTEX concentration of 55.8 mg/kg and 109 mg/kg, respectively. TPH concentrations exceeded the NMOCD Closure Criteria each of the submitted soil samples with the exception of soil samples SW 2 DEF @ 0-4, which exhibited a TPH concentration of 262 mg/kg. The maximum TPH concentration remaining in-situ is 17,900 mg/kg as seen in soil sample SW 2 – DEF @ 4'-8'. Etech maintains excavating

impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment poses a safety risk and will results in a major facility deconstruction.

To date approximately 1,820 cubic yards of impacted material has been excavated and transported to and NMOCDpermitted surface waste facility for disposal. Based on laboratory analytical results and remediation activities conducted to date, Etech on behalf of Permian, requests permission to backfill the excavated area with locally sourced non-impacted material. Final remediation and reclamation of impacted material beneath and adjacent to the active tank battery facility in the areas characterized by soil samples DEF -1 @ 6', DEF 1 @ 12', DEF 3 @ 12', DEF -5 @ 8'-R, SW 1 - DEF @ 0-4', SW 1 - DEF @ 12'-16', SW 1 - DEF @ 16'-20', SW 1 - DEF @ 4'-8', SW 1 - DEF @ 8'-12', SW 2 - DEF @ 12'-16', SW 2 -DEF @ 16'-20', SW 2 - DEF @ 4'-8', SW 2 - DEF @ 8'-12', SW 3 - DEF @ 0-4' and SW 3 - DEF @ 4'-8' will be remediated upon abandoning and decommissioning the facility.

### 6.0 PARTIAL DEFERRAL REQUEST

The proposed remediation activities were conducted in accordance with the approved *Site Assessment Report, Proposed Remediation Workplan & Partial Deferral Request.* Impacted material affected above the NMOCD Closure Criteria will be excavated to the maximum extent practicable given the proximity to active tank battery equipment including, but not limited to, the heater treater, horizontal separators, tank battery containment and associated above ground equipment. Impacted material remaining in-situ adjacent to and beneath the heater treater, horizontal separators, tank battery on abandoning and decommissioning that facility or during a major facility deconstruction. Etech maintains excavating impacted material adjacent to and beneath the heater treater, horizontal separators, tank battery containment and associated above ground equipment will results in a major facility deconstruction.

Final reclamation will be conducted in accordance with applicable NMOCD and NMSLO regulatory guidelines upon abandoning and decommissioning the facility.

### 7.0 LIMITITATIONS

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

This report has been prepared for the benefit of Permian Resources. Use of the information contained in this report is prohibited without the consent of Etech and/or Permian Resources.

### 8.0 **DISTRIBUTION**

### **Permian Resources**

300 N. Marienfeld St. Suite 100 Midland, TX 79701

### New Mexico Energy, Mineral and Natural Resources Department

Oil Conservation Division, District 1 1220 South St. Francis Drive Santa Fe, NM 87505

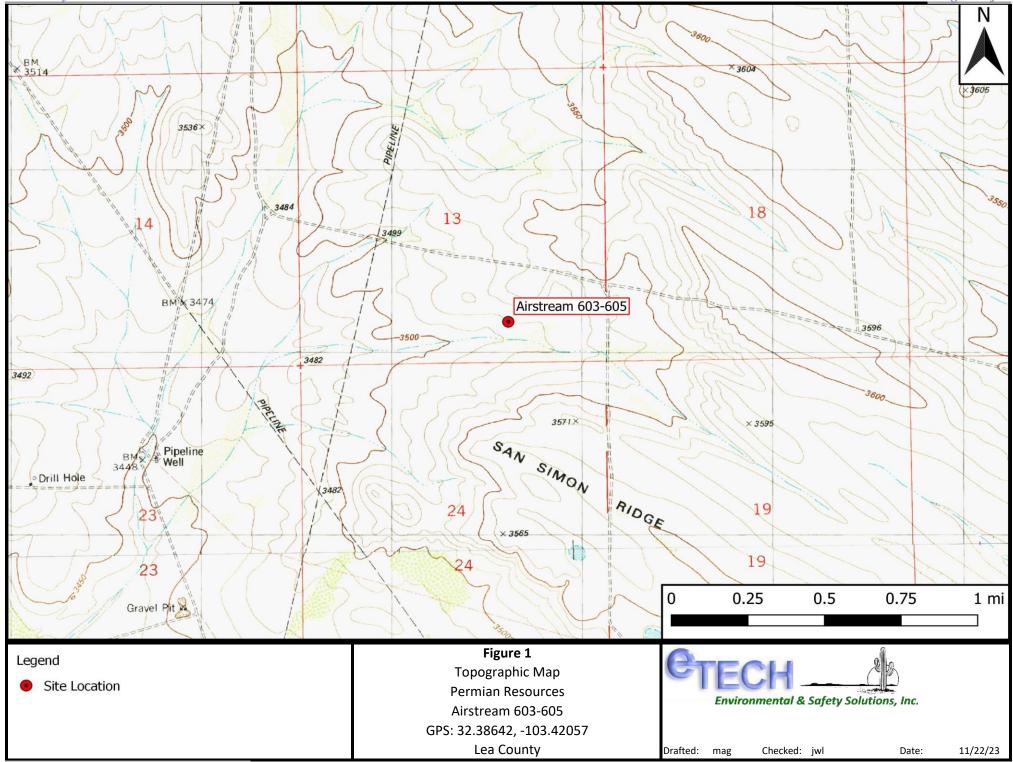
#### New Mexico State Land Office

Environmental Compliance Office 2827 North Dal Paso St. Suite 117 Hobbs, NM 88240

### **Figure 1** Site Location Map

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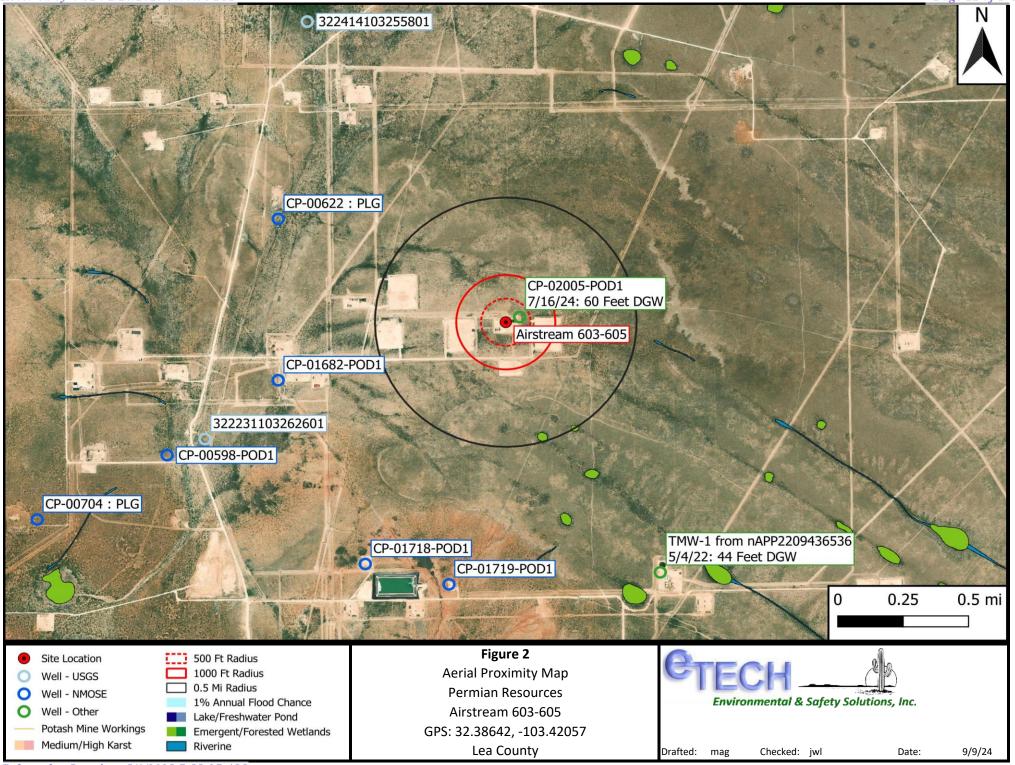
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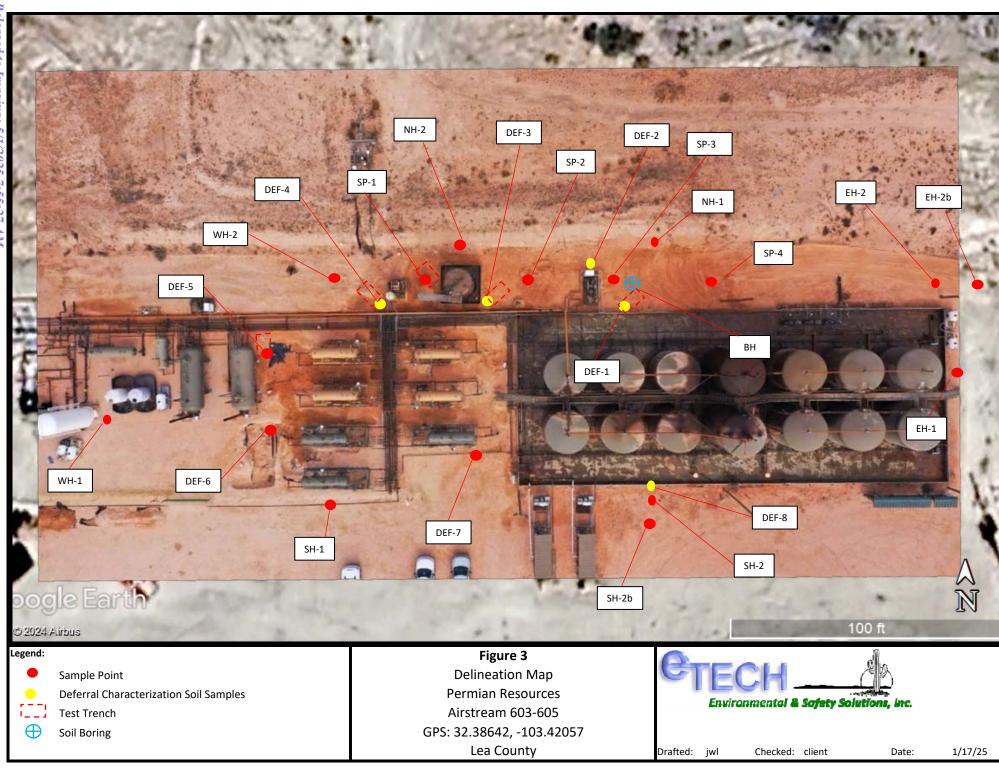
### **Figure 2** Aerial Proximity Map

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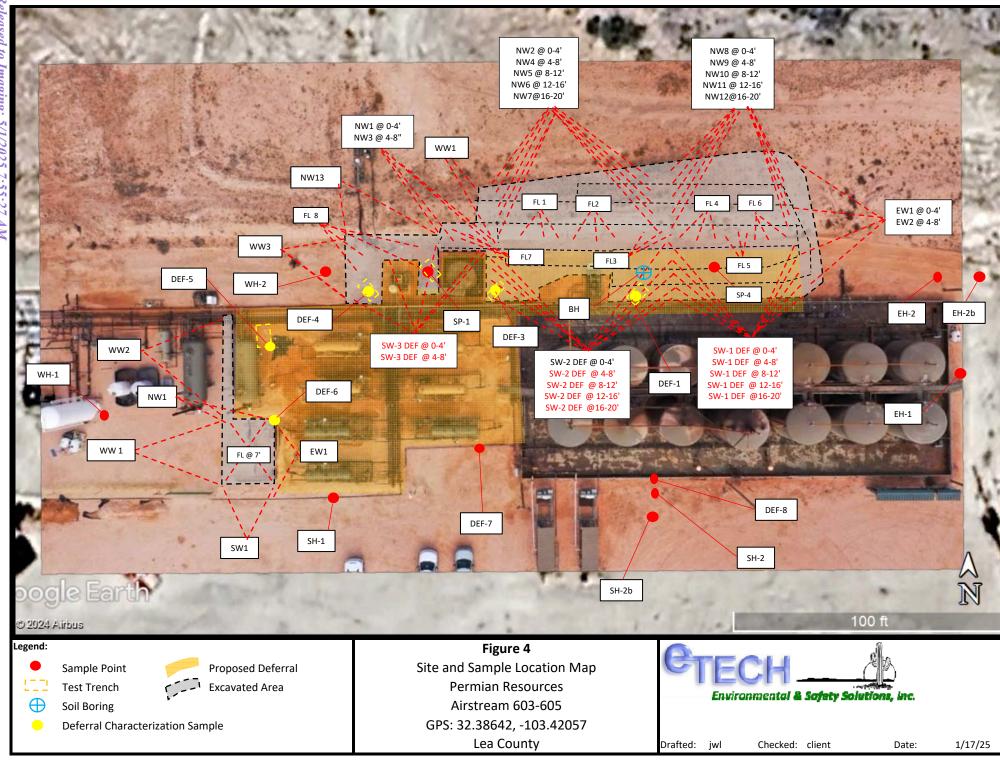
# Figure 5 Delineation Map



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# Figure 4 Site and Sample Location Map



ceived by OCD: 1/20/2025 3:00:58 PM Table 1Concentrations of BTEX, TPH and Chloride in Soil

	Table 1           Concentrations of BTEX, TPH, and Chloride in Soil											
			Concen		<i>,</i>	<i>,</i>	<b>Chloride</b> i	in Soil				
					Permian F							
					Airstream		02077(					
NMO	CD Classes C		I		) Ref. #: n	APP2320	839776	1.000	1	2 500	10.000	
	CD Closure C Reclamation			10	50	-	-	1,000	-	2,500 100	10,000	
NWIOCD	Kecialitation	Stanuaru		10	50	-	600					
		<b>D</b> (1		SW 840	5 8021B			846 8015M			4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO C6-C10	DRO C <sub>10</sub> -C <sub>28</sub>	DRO	ORO C <sub>28</sub> -C <sub>36</sub>	ТРН С6-С36	Chloride	
		()	~	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>28</sub>	(mg/kg)	(mg/kg)	(mg/kg)	
EH - 1 @ Surf	1/31/2024	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <20.0	<10.0	<30.0	32.0	
EH - 1 @ 1'	1/22/2024	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
EH - 2b @ Surf	1/31/2024	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
EH - 2 @ 1'	1/22/2024	1	In-Situ	< 0.050	< 0.300	<10.0	64.3	64.3	37.1	101	32.0	
EH - 2b @ 1'	1/31/2024	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
NH - 1 @ Surf		0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
NH - 1 @ 1'	1/22/2024	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
NH - 2 @ Surf	1/31/2024	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
NH - 2 @ 1'	1/22/2024	1	In-Situ	< 0.050	< 0.300	<10.0	70.7	70.7	21.8	92.5	144	
SH - 1 @ Surf		0	In-Situ	< 0.050	< 0.300	<10.0	42.1	42.1	<10.0	42.1	48.0	
SH - 1 @ 1'	1/22/2024	1	In-Situ	< 0.050	< 0.300	<10.0	18.2	18.2	<10.0	18.2	368	
SH - 2b @ Surf		0	In-Situ	< 0.050	< 0.300	<10.0	19.2	19.2	<10.0	19.2	32.0	
SH - 2 @ 1'	1/22/2024	1	In-Situ	< 0.050	< 0.300	<10.0	177	177	77.2	254	128	
SH - 2b @ 1'	1/31/2024	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0	
WH - 1 @ Surf		0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144	
WH - 1 @ 1'	1/22/2024	1	In-Situ	< 0.050	1.06	<10.0	<10.0	<20.0	<10.0	<30.0	224	
WH - 2 @ Surf		0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0	
WH - 2 @ 1'	1/22/2024	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
BH @ 20'	7/16/2024	20	In-Situ	<0.050	< 0.300	<10.0	95.1	95.1	23.0	118	16.0	
BH @ 24'	7/16/2024	24 28	In-Situ In-Situ	<0.050 <0.050	<0.300	<10.0	61.0	61.0	12.9	73.9 78.4	32.0 32.0	
BH @ 28' SP 1 @ 1'	7/16/2024	28	In-Situ Excavated	<0.030	<0.300	<10.0 <100	64.8	64.8	13.6			
SP - 1 @ 2'-R	1/22/2024	2	Excavated	<0.050	0.482	<10.0	13,600 327	<b>13,600</b> 327	4,690 111	<b>18,300</b> 438	<u>192</u> 64.0	
SP 1 @ 2 -K	3/13/2024		Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
SP - 2 @ 3'-R	1/31/2024	3	Excavated	2.21	110	592	2,850	<b>3,440</b>	562	<b>4,000</b>	960	
SP 2 @ 5 -K	1/22/2024	6	Excavated	1.72	134	1,400	3,620	5,020	529	5,550	752	
SP 3 @ 1'	1/22/2024	1	Excavated	< 0.500	36.4	745	12,400	13,100	2,210	15,400	224	
SP - 3 @ 2'-R	1/31/2024	2	Excavated	1.46	261	1,710	4,870	6,580	882	7,460	16.0	
SP 4 @ 1'	1/22/2024	1	Excavated	0.0560	13.4	408	8,100	8,510	1,480	9,990	208	
SP - 4 @ 10'-R		10	Excavated	17.1	632	3,120	5,920	9,040	1,070	10,100	32.0	
FL @ 7'	9/12/2024	7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	13.4	13.4	32.0	
EW 1	9/12/2024	0-7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
NW 1	9/12/2024	0-7	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416	
SW 1	9/12/2024	0-7	In-Situ	< 0.050	< 0.300	<10.0	242	242	126	368	32.0	
WW 1	9/12/2024	0-7	In-Situ	< 0.050	< 0.300	<10.0	596	596	542	1,140	48.0	
FL 1 @ 8'	1/2/2025	8	In-Situ	< 0.050	< 0.300	<10.0	12.1	12.1	<10.0	12.1	<16.0	
FL 2 @ 21'	1/2/2025	21	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
FL 3 @ 21'	1/2/2025	21	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
FL 4 @ 20'	1/2/2025	20	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
FL 5 @ 15'	1/2/2025	15	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
FL 6 @ 15'	1/2/2025	15	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144	

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	Table 1           Concentrations of BTEX, TPH, and Chloride in Soil												
			Concen		<i>,</i>	· · · · · · · · · · · · · · · · · · ·	Chloride	in Soll					
					Permian F								
					Airstream		02077(						
					D Ref. #: n	APP2320	839776	4 0 0 0			10.000		
-	CD Closure C			10	50	-	-	1,000	-	2,500	10,000		
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600		
				SW 840	5 8021B			846 8015M			4500 Cl		
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO	DRO	DRO	ORO	TPH	Chloride		
		(reet)	Status	(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>10</sub> (mg/kg)	C <sub>10</sub> -C <sub>28</sub> (mg/kg)	C6-C28	C <sub>28</sub> -C <sub>36</sub> (mg/kg)	C <sub>6</sub> -C <sub>36</sub> (mg/kg)	(mg/kg)		
	1/2/2025	4	I 0.4	-0.050	<0.200	,	,	(mg/kg)	,		(10		
FL 7 @ 4'	1/2/2025	4	In-Situ	<0.050	< 0.300	<10.0 <10.0	<10.0	<20.0	<10.0	<30.0	64.0		
FL 8 @ 5'	1/2/2025	5 0-4	In-Situ In-Situ	<0.050 <0.050	<0.300	<10.0	<10.0	<20.0	<10.0 <10.0	<30.0	64.0		
EW 1 @ 0-4' EW 2 @ 4-8'	1/2/2025 1/2/2025	4-8		<0.030	<0.300 <0.300	<10.0	<10.0 <10.0	<20.0 <20.0	<10.0	<30.0 <30.0	<16.0		
LW 2 @ 4-8 NW 1 @ 0-4'	1/2/2025	4-8 0-4	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0 <16.0		
NW 2 @ 0-4'	1/2/2023	0-4	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 3 @ 4-8'	1/2/2023	4-8	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 4 @ 4-8	1/2/2023	4-8	In-Situ In-Situ	<0.030	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 5 @ 8-12'	1/2/2025	8-12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 6 @ 12-16'	1/2/2025	12-16	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 7 @ 16-20'	1/2/2025	16-20	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 8 @ 0-4'	1/2/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 9 @ 4-8'	1/2/2025	4-8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 10 @ 8-12'	1/2/2025	8-12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 11 @ 12-16'	1/2/2025	12-16	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 12 @ 16-20'	1/2/2025	16-20	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
NW 12 @ 10-20	1/2/2025	0-8	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
WW 1	1/2/2025	0-20	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
WW 2	1/2/2025	0-2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
WW 3	1/2/2025	0-5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0		
DEF - 1 @, 6"	1/31/2024	0.5	Excavated	0.668	56.0	620	9,770	10,400	1,810	12,200	464		
DEF - 1 @ 6'-R	1/31/2024	6	Deferred	1.60	240	1,980	5,360	7,340	836	8,180	1,120		
DEF 1 @ 12'	3/13/2024	12	Deferred	2.22	206	2,540	7,230	9,770	858	10,600	80.0		
	1/31/2024	0.5	Excavated	0.315	32.3	408	3,260	3,670	582	4,250	80.0		
DEF - 2 @ 2'	1/31/2024	2	Excavated	0.286	35.6	314	3,910	4,220	745	4,970	368		
	1/31/2024	0.5	Excavated	0.269	16.8	384	18,400	18,800	4,310	23,100	1,150		
DEF - 3 @ 3'-R		3	Excavated	<2.00	180	2,000	5,140	7,140	783	7,920	64.0		
DEF 3 @ 12'	3/13/2024	12	Deferred	3.17	200	2,590	7,160	9,750	914	10,700	128		
	1/31/2024	0.5	Excavated	0.171	10.4	488	27,700	28,200	5,210	33,400	112		
DEF - 4 @ 4'-R		4	Excavated	< 0.050	5.55	126	1,650	1,780	317	2,090	48.0		
	3/13/2024	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144		
DEF - 5 @ 6"	1/31/2024	0.5	Excavated	< 0.050	2.76	<50.0	21,700	21,700	5,880	27,600	160		
		8	Deferred	5.70	483	2,110	4,820	6,930	716	7,650	112		
DEF 5 @ 9'	3/13/2024	9	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0		
DEF - 6 @ 6"	1/31/2024	0.5	Excavated	< 0.500	102	1,500	35,500	37,000	6,220	43,200	912		
DEF - 6 @ 5'-R	1/31/2024	5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0		
DEF - 7 @ 6"	1/31/2024	0.5	Deferred	< 0.050	< 0.300	<10.0	10.9	10.9	<10.0	10.9	1,280		
DEF - 7 @ 1.5'	1/31/2024	1.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112		
DEF - 8 @ 6"	1/31/2024	0.5	In-Situ	< 0.050	< 0.300	<10.0	401	401	222	623	224		
DEF - 8 @ 1'	1/31/2024	1	In-Situ	< 0.050	< 0.300	<10.0	182	182	37.8	220	208		
DEF 8 @ 2'	3/13/2024	2	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0		

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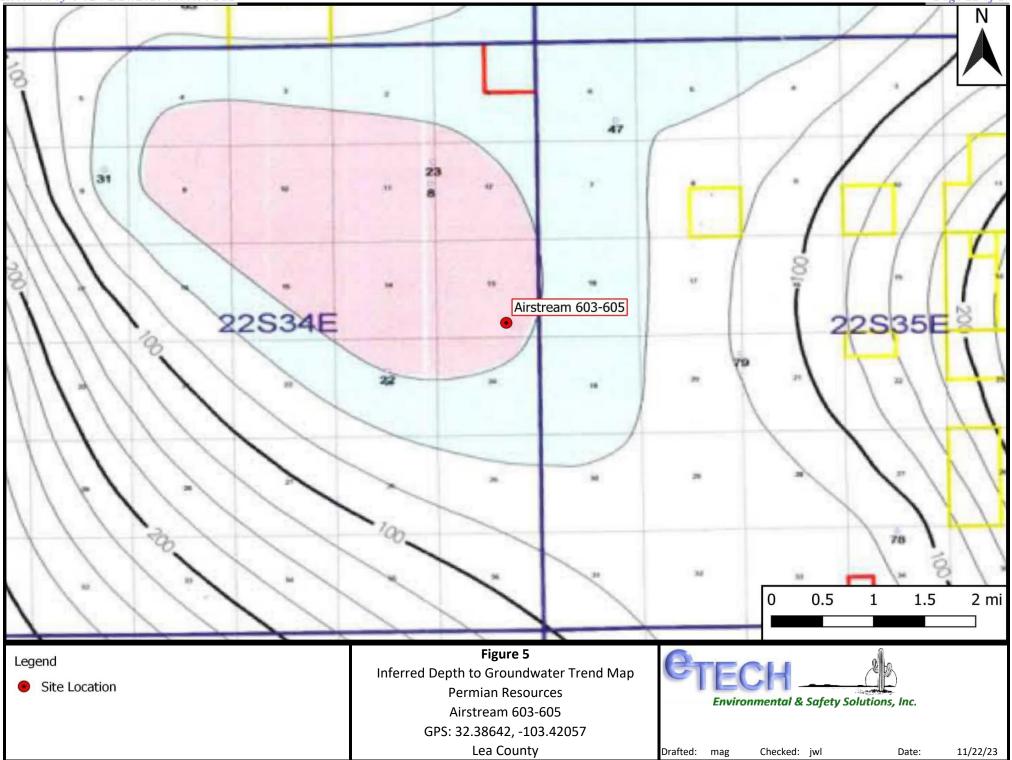
			Concen	]	Permian F Airstream	ГРН, and Resources	Chloride 839776	in Soil			
NMO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	10,000
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 846	5 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C6-C36 (mg/kg)	Chloride (mg/kg)
SW 1 - DEF @ 0-4'	1/2/2025	0-4	Deferred	< 0.500	55.8	831	3,770	4,600	651	5,250	32.0
SW 1 - DEF @ 12'-16'	1/2/2025	12-16	Deferred	<1.00	28.5	471	3,260	3,730	583	4,310	48.0
SW 1 - DEF @ 16'-20'	1/2/2025	16-20	Deferred	<1.00	109	1,190	4,390	5,580	742	6,320	32.0
SW 1 - DEF @ 4'-8'	1/2/2025	4-8	Deferred	< 0.500	21.3	369	3,570	3,940	643	4,580	16.0
SW 1 - DEF @ 8'- 12'	1/2/2025	8-12	Deferred	<1.00	24.6	354	3,500	3,850	632	4,490	32.0
SW 2 - DEF @ 0-4'	1/2/2025	0-4	In-Situ	< 0.050	< 0.300	<10.0	183	183	79.0	262	160
SW 2 - DEF @ 12'-16'	1/2/2025	12-16	Deferred	<1.00	15.4	311	3,770	4,080	658	4,740	32.0
SW 2 - DEF @ 16'-20'	1/2/2025	16-20	Deferred	< 0.500	28.6	783	6,310	7,090	1,180	8,270	96.0
SW 2 - DEF @ 4'-8'	1/2/2025	4-8	Deferred	< 0.500	7.35	216	14,400	14,600	3,260	17,900	608
SW 2 - DEF @ 8'-12'	1/2/2025	8-12	Deferred	< 0.050	0.718	35.0	3,190	3,230	722	3,950	240
SW 3 - DEF @ 0-4'	1/2/2025	0-4	Deferred	< 0.050	< 0.300	10.4	2,770	2,780	761	3,540	224
SW 3 - DEF @ 4'-8'	1/2/2025	4-8	Deferred	< 0.050	0.941	29.6	6,520	6,550	1,510	8,060	1,500

.

## **Appendix A** Depth to Groundwater Information

Received by OCD: 1/20/2025 3:00:58 PM

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Released to Imaging: 5/1/2025 7:55:27 AM



# WELL RECORD & LOG OFFICE OF THE STATE ENGINEER

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				]	N/A						
DEPTH FROM	(feet bgl) TO	BORE HOLE DIAM. (inches)		ILAR SEAL MATE RANGE B ntralizers for Artesi	Y INTER	VAL		AMOUNT (cubic feet)		METHO PLACEN	
			LIST ANNI	JLAR SEAL MATE	RIAL AN	D GRAVE	PACK SIZE-				
55	65	6		CH 40 FJ 0.10 perf	7		read 2.38"	2.0		0.19	0.10
FROM	TO 55	DIAM (inches)	note	GRADE each casing string, sections of screen) SCH 40 FJ Blank		CONI T (add coup	NECTION YPE ling diameter) read 2.38"	INSIDE DIAM. (inches) 2.0		IICKNESS (inches)	SIZE (inches)
DEPTH	(feet bgl)	BORE HOLE	CASING	MATERIAL AND	D/OR	C	ASING	CASING	1	SING WALL	SLOT
DRILLING N		Research	happed		ER – SPE			CHECK	HERE I	F PITLESS ADAI	PTER IS
COMPLETEI DRILLING F		ARTESIAN *add Centralizer info be	DRY HOI	LE 🔽 SHALLO				WATER LEVEL PLETED WELL 6	50	DATE STATIC 7/16	
DRILLING S 7/12		DRILLING ENDED 7/12/24	DEPTH OF CC	DMPLETED WELL (F	T)	BORE HO	LE DEPTH (FT) 65	DEPTH WATER FIR	-	DUNTERED (FT)	
LICENSE NO WD-1		NAME OF LICENSED	DRILLER	James Hawley				NAME OF WELL DR		COMPANY orises, LLC	
		G WELL LOCATION TO -34E Lea County N		RESS AND COMMON	I LANDM	IARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	IERE AV	AILABLE	
(FROM GF	PS)		-103	25	10		* DATUM REG	QUIRED: WGS 84			
WELL	IN LAT	DE	GREES 32	minutes 23	SECO 12		* ACCURACY	REQUIRED: ONE TEN	TH OF A	SECOND	
well own PO 3641	ER MAILING	ADDRESS					CITY Hobbs		stati NM	e 88241	ZIP
WELL OWN Permian R							PHONE (OPTI 575-605-34				
Pod-1		)		WELL TAG ID NO			OSE FILE NO( CP-02005	S).			
Pod-	1			1	1	1	1	1 CP-02005	1 CP-02005	1 CP-02005	1 CP-02005

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			and the second							
	DEPTH (: FROM	reet bgl) TO	THICKNESS (feet)	INCLUDE WATER	TYPE OF MATERIAL EN B-BEARING CAVITIES OR Iemental sheets to fully de	FRACTURE	ZONES		TER UNG? / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
ŀ	0	10	10		white caliche			Y	√ N	
ł	10	20	10		light tan sandy caliche			Y	√ N	
ŀ	20	63	43		light red alluvial sands			✓ Y	N	
ł	63	65	2		Red Bed			Y	√ N	
ł								Y	N	
								Y	N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
FW								Y	N	
0.9								Y	N	
TO								Y	N	
BGIC								Y	N	
OTO								Y	N	
OGE								Y	N	
DR(								Y	N	
H.								Y	N	
4								Y	N	
								Y		
									N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD	JSED TO E	ESTIMATE YIELD	OF WATER-BEARING	S STRATA:			TAL ESTI	MATED D (gpm):	N/A
	PUM	P	AIR LIFT	BAILER OT	HER – SPECIFY:		WE		D (gpin).	
NO	WELL TES	ST TEST	T RESULTS - ATT RT TIME, END TI	ACH A COPY OF DAT ME, AND A TABLE SH	A COLLECTED DURING OWING DISCHARGE AN	WELL TESTI D DRAWDO'	NG, INCLUD WN OVER TH	ING DIS HE TESTI	CHARGE NG PERIO	METHOD, DD.
	MISCELLA	NEOUS IN	FORMATION:		e Permian Resources Airs	tream CTD	o dotormine	denth of	groundw	ater casing was
TEST; RIG SUPERVISI			n Ie	ft in the hole until 7/10	5/24, gauged, pulled, and	well bore wa	as plugged.	depin or	Ground	
EST	PRINT NA	ME(S) OF	DRILL RIG SUPE	RVISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION OF WE	LL CONSTRU	UCTION	OTHER T	HAN LICENSEE:
5. T	Nathan Sm									
TURE	CORRECT	RECORD	OF THE ABOVE	DESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WIL PLETION OF WELL DRIL	L FILE IHIS	ND BELIEF, WELL RECO	THE FOR ORD WIT	EGOING H THE ST	IS A TRUE AND ATE ENGINEER
SIGNATURE	F/h	1p	. h /	Ja	ames Hawley			7/	/19/24	
6		SIGNA	TURE OF DRILL	ER / PRINT SIGNEE	NAME				DATE	
<u> </u>	1					U/D	-20 WELL P	ECORD	LOG (V	ersion 09/22/2022)
	R OSE INTE LE NO.	RNAL USE	j		POD NO.		-20 WELL R N NO.	LCORD (		(101011 0712212022)
	CATION					WELL TAC				PAGE 2 OF 2



.

Site: NMOC Locati	Jalape D Re on: L	eno RP <b>ference #</b> .ea Co., N	: nAPP2132245281 Drilling Date: 5/4/2022	32.371791,-103.410713 C C (ft): 44 C	Driller: L Drilling I	L. Scarb Method: By: L. S By: B. <i>F</i>	orough : Air Rota Scarborou Arguijo		orilling,	Inc.
Comp	letion	1: N/A	Casing: 2" PVC	S	Screen:	0.1" Slo	otted			
Comm	ents:	: Tempora	ry monitor well advanced in northwest corner of produ	ction pad.						
Depth (ft)	Groundwater	Lithology	Material Description	1		Chloride Field Test	Petroleum Odor	Petroleum Stain		Well Construction
_		10. Nº	Caliche pad			-	-	-		
_ 5			Caliche fines Sand							
			Cana			-	-	-		
- 10						-	_	-		
_ 15		· · · ·								
_		· · · ·				-	-	-		
- 20		• . • • •								
- 25						-	-	-		
_						-	-	-		
- 30		· · · ·								
- 35		••••				-	-	-		
		· · · ·				-	-	-		ole
- 40										- Open Hole
45	₽	· · · ·				-	-	-		ĮŽĢ
- 43		· · · ·				-	_	-		
- 50		• • • •								
_		· · ·				-	-	-		
- 55										
60		· · ·				-	-	-		
		•••••••				-	-	-		
- 65		· . · ·								
- 70		· • • •				-	-	-		
_		· · ·				-	-	-		
_ 75										
80		· ·				-	-	-		
			Notes: • Lines between material types represent approximate	boundaries Actual transition	ons					
- 85			may be gradual.							
90 										
95										
_										

Disclaimer This bore log is intended for environmental not geotechnical purposes.



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

			<b>`</b> 1				VE 3=SW	4=SE)			
							o largest)	_	`	(NAD83 UTM in meters)	
Well Tag	POE	) Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	
2062A	CP (	01682 POD1	1	2	2	23	22S	34E	647164	3583992 🌍	
Driller Lic	ense:	421	Driller	Con	ipan	y:	GLI	ENN'S	WATER W	ELL SERVICE	
Driller Na	me:	CORKY GLENN									
Drill Start	Date:	09/10/2019	Drill F	inish	Dat	e:	09	0/13/20	019 <b>P</b>	lug Date:	
Log File D	ate:	09/19/2019	PCW	Rcv E	)ate:	:			S	ource:	Shallow
Pump Type	e:		Pipe D	ischa	rge	Size:	:		Ε	stimated Yield:	15 GPM
Casing Siz	e:	8.13	Depth	Well	:		29	94 feet	D	epth Water:	42 feet
X	Wate	er Bearing Stratifica	ations:		То	p 1	Bottom	Desc	cription		
					4	2	56	Sand	dstone/Grav	el/Conglomerate	
					e	58	92	Sand	dstone/Grav	el/Conglomerate	
					24	12	274	Shal	e/Mudstone	/Siltstone	
X		Casing Perfor	ations:		То	р 1	Bottom				
						0	294				

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11/22/23 10:22 AM

POINT OF DIVERSION SUMMARY



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

	(quarters are 1=NW 2=NE 3	=SW 4=SE)		
	(quarters are smallest to lar	gest)	(NAD83 UTM in meters)	
Well Tag POD Number	Q64 Q16 Q4 Sec T	ws Rng	X Y	
CP 00622	3 4 2 14 22	28 34E	647164 3585030* 🧲	
<b>Driller License:</b> 46	Driller Company:	ABBOTT BF	ROTHERS COMPANY	
Driller Name: MURRELL ABI	BOTT			
Drill Start Date: 06/03/1980	<b>Drill Finish Date:</b>	06/06/1980	) Plug Date:	06/06/1980
Log File Date:	PCW Rcv Date:		Source:	
Pump Type:	Pipe Discharge Size:		Estimated Yield:	:
r Jr				

\*UTM location was derived from PLSS - see Help

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

11/22/23 10:22 AM

POINT OF DIVERSION SUMMARY

Received by OCD: 1/20/2025 3:00:58 PM

### Page 28 of 191

Revised June 1972

### STATE ENGINEER OFFICE WELL RECORD

			Section 1.	. GENERAL	INFORMATION	I			
(A) Owner o	f well Pog	o Produc	ing Co.	10740		Owne	r's Well No.E	KD Co	<u>nm.#</u>
Street or City and	Post Office Ac State	ddress P. Midland	, Texas	7970	1	·····		-	
-					and is located				
							7	4.50	
a	<u>14 SW</u> 3	4 <u>SE</u> ¼ .	<u>N.E.</u> ¼ of Sec	ction <u> </u>	Township	225_ Rar	nge 2	94 <b>Ľ</b> N	.M.P.M
b. Tract	No	of Map No.		of tl	ne				
c. Lot N	lo	of Block No		of th	he				
Subđi	vision, recorde	ed in	<u>ea</u>		County.				
						System			
						License No			
Address P	.0. Box	637, Hob	bs, New	Mexico	88240				
Orilling Began	6/3/8	<u>0</u> Comp	pleted <u>6</u>	/6/80	Type tools	Cable	Size of h	nole	<u>B</u> in.
Elevation of Ia	nd surface or _			at w	ell is	ft. Total depth	of well Dr	y Hol	<b>e</b> ft.
	<b></b>								
Completed wel	LIIS KANJ S	shallow 🗆 . a	rtesian.		Depth to water	upon completion			
Denth	in Feet	Sec Thickness		CIPAL WATI	ER-BEARING ST	IRATA	Fetim	ated Yield	1
From	То	in Feet	E	Description of	f Water-Bearing I	ormation		per minu	
DRY	HOLE								
						4 <b>e</b> 4.			
			Section	n 3. RECORI	D OF CASING				
Diameter (inches)	Pounds per foot	Threads	Depth Top	in Feet Bottom	Length (feet)	Type of Sho	e Fro	Perforatio	ns To
			100	Dottom					10
NO CAS	ING_DRY	HOLE							
· · · · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·			
						ĺ			
			4						
		Secti	on 4. RECOR	CD OF MOD	DING AND CEM	LENTING			
	in Feet	Hole	Sack	is (	Cubic Feet		od of Placem	ent	
Depth From	in Feet To			is (			od of Placem	ent	
	1	Hole	Sack	is (	Cubic Feet		od of Placem	ent	
	1	Hole	Sack	is (	Cubic Feet		od of Placem	ent	
	1	Hole	Sack	is (	Cubic Feet		od of Placem	ent	
	1	Hole	Sack of Mu	ad (	Cubic Feet of Cement		od of Placem	ent	
From	То	Hole Diameter	Sack of Mu	ad (	Cubic Feet		od of Placem	ent	
From Plugging Contr	actor Ab	Hole Diameter	Sack of Mu Section	n 5. PLUGGI	Cubic Feet of Cement			Cubic	
From Plugging Contr Address <b>P•0</b> Plugging Metho	To actor <u>Ab</u> • Box 63 od Ruble :	Hole Diameter	Sack of Mu Section	n 5. PLUGGI	Cubic Feet of Cement	Metho			
From Plugging Contr Address <b>P.O</b> Plugging Metho Date Well Plug	To To Ab Box 63 od Ruble : ged 6/0	Hole Diameter	Sack of Mu Section	n 5. PLUGGI	Cubic Feet of Cement	Metho Depth in	Feet	Cubic	
From Plugging Contr	To To Ab Box 63 od Ruble : ged 6/0	Hole Diameter	Sack of Mu Section	n 5. PLUGG <b>xico 8</b> <b>at top</b>	Cubic Feet of Cement	Metho Depth in Top	Feet	Cubic	

File No. CP-622 Released to Imaging: 5/1/2025 7:55:27 AM

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\_Use\_

Quad \_\_\_\_

OWD Location No. 22.34.14.24322

\_\_\_\_\_ FWL \_\_\_\_\_ FSL\_\_\_

1

ived by OC	C <b>D: 1/20/202</b> :	5 3:00:58 PM		Page 29 of
Danth	in Feet		Section 6. LOG OF HOLE	
From	То	_ Thickness in Feet	Color and Type of Material Encountered	
TIOM	10			
0	3		Topsoil	
3	28	25	Caliche	
28	60	32	Sand w/streaks of gravel	
60	74	14	Cemented gravel	
	110	36	Sand and gravel	
110	225	15	Red bed	
	+			
. <u>.</u>				
			· · · · · · · · · · · · · · · · · · ·	
	+			

Section 7. REMARKS AND ADDITIONAL INFORMATION

ò

ROSWELL M MEPLOE

STATE ENGINEER OFFICE

LO 

21 MP 63.

-,

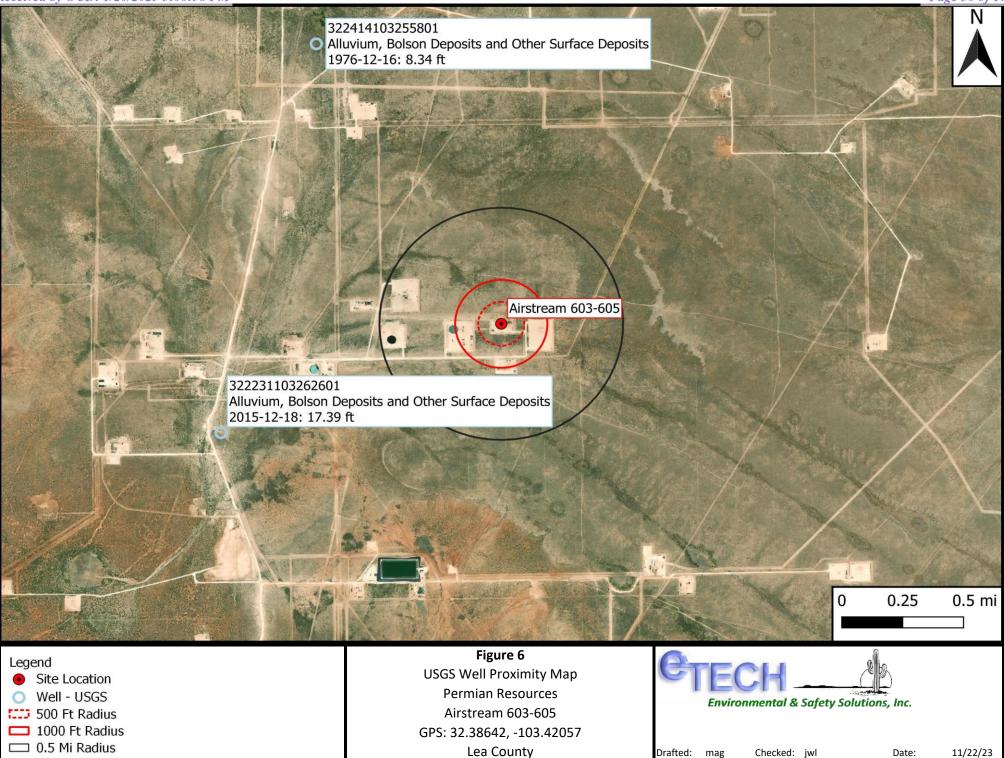
The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Nurrell (

INSTRUCTIONS: This form should be accouted in triplicate, preferably typewritten, and submitted of the State Engineer. A. tions, e: Section 5, shall be answered as completely accurate Reticlese drep Annalyon de ST 12025 AST51 bit ANA is used as a plugging record, only Section 1(a) and Section ... need be completed.

: appropriate district office possible when any well is

**191** 



Released to Imaging: 5/1/2025 7:55:27 AM



USGS Home Contact USGS Search USGS

### **National Water Information System: Web Interface**

**USGS Water Resources** 

Data Category: Groundwater Geographic Area: United States

GO

Click forNews Bulletins

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 322231103262601

### **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

### USGS 322231103262601 22S.34E.23.23131

Available data for this site Groundwater: Field measurements

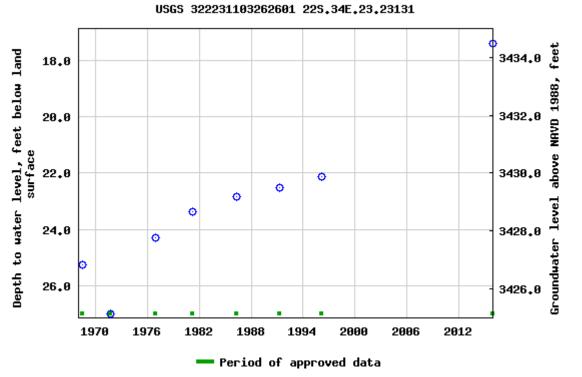
Lea County, New Mexico Hydrologic Unit Code 13070007 Latitude 32°22'47.6", Longitude 103°26'25.3" NAD83 Land-surface elevation 3,452 feet above NAVD88 The depth of the well is 60 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

### **Output formats**

 $\mathbf{v}$ 

GO

Table of data						
Tab-separated data						
Graph of data						
Reselect period						



Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Questions or Comments Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

#### U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

USA.gov

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-11-22 12:20:09 EST 0.64 0.51 nadww01



USGS Home Contact USGS Search USGS

### **National Water Information System: Web Interface**

**USGS Water Resources** 

Data Category: Groundwater Geographic Area: United States

GO

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Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 322414103255801

### **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

### USGS 322414103255801 22S.34E.11.24422

Available data for this site Groundwater: Field measurements

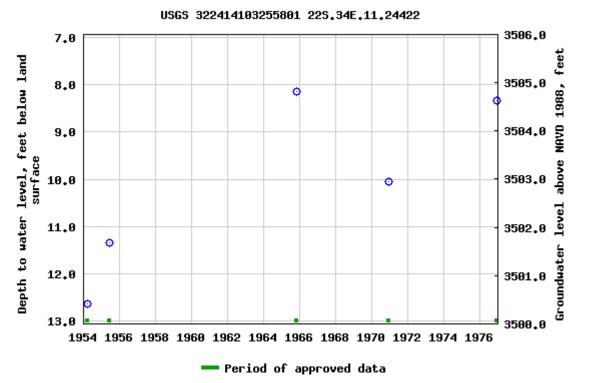
Lea County, New Mexico Hydrologic Unit Code 13070007 Latitude 32°24'14", Longitude 103°25'58" NAD27 Land-surface elevation 3,513 feet above NAVD88 The depth of the well is 16 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

 $\mathbf{v}$ 

GO

### **Output formats**

Table of data						
Tab-separated data						
Graph of data						
Reselect period						



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions or Comments Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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#### U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

USA.gov

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-11-22 12:20:10 EST 0.59 0.47 nadww01

### **Appendix B** Field Data and Soil Boring Log



# WELL RECORD & LOG OFFICE OF THE STATE ENGINEER

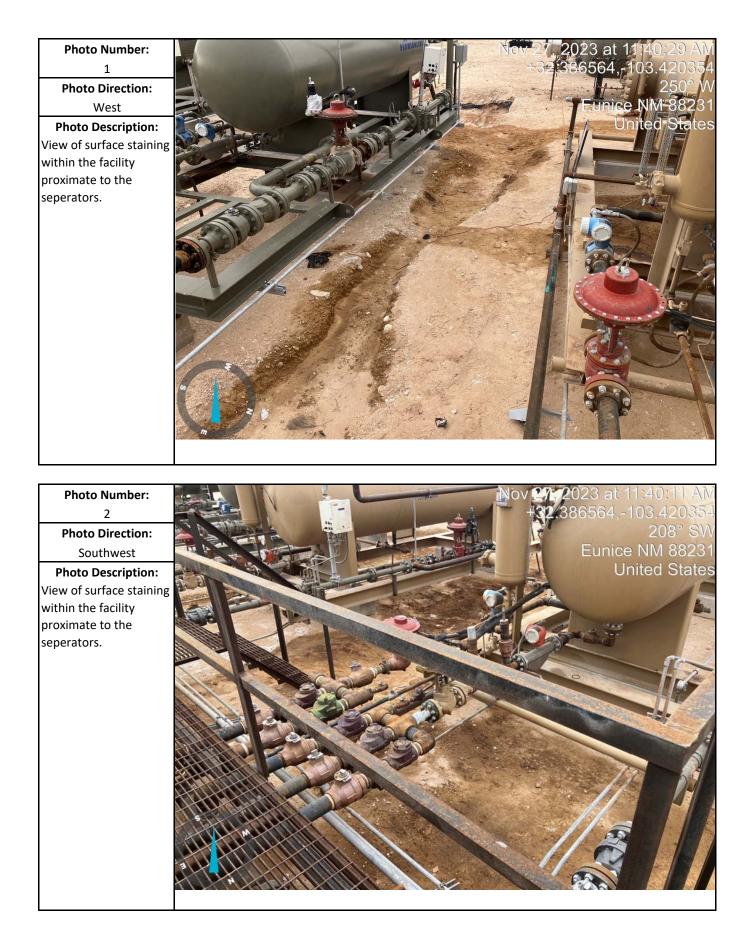
www.ose.state.nm.us

FOR OSE INTERNAL USE     WR-20 WELL RECORD & LOG (Version 09/22/2022)       FILE NO.     TRN NO.									2/2022)			
3.											(11	2/2022
ANNULAR MATERIAL												
ATERI						J/A						
T	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the		spacing below) AMOUNT (cubic feet)		METHOD OF PLACEMENT				
	DEPTLY	faat k =1)		LIST ANNU	JLAR SEAL MATER	IAL AN	D GRAVE	L PACK SIZE-				
2. DI												
ALLER												
NG &	55	65	6	2" SCH 40 FJ 0.10 perf		FJ Thread 2.38"		2.0	0.19		0.10	
CASI	0	55	(inches)				(add coup	TYPE ling diameter) read 2.38"	(inches)	(inches) 0.19		(inches)
DRILLING & CASING INFORMATION	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM	CASING MATERIAL AN GRADE (include each casing strin		cA CONN		ASING NECTION	CASING INSIDE DIAM.	TH	SING WALL HICKNESS	SLOT SIZE
ORM	DRILLING METHOD:  ROTARY HAMMER CABLE TOOL OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS					
IATIC	DRILLING FLUID: 🔽 AIR 🗌 MUD ADDITIVES – SPECIFY:											
N	COMPLETED WELL IS: ARTESIAN *add Centralizer info be			DRY HOI	LE 🗹 SHALLOV	W (UNCO	NCONFINED) STATIC WATER LEVEL DATE IN COMPLETED WELL 60 (FT)				ATE STATIC MEASURED 7/16/24	
			DRILLING ENDED 7/12/24	DEPTH OF COMPLETED WELL (FT)BORE HOLE DI6565			LE DEPTH (FT) 65	DEPTH WATER FIRST ENCOUNTERED (FT) 60				
	LICENSE NO. NAME OF LICENSED WD-1862			DRILLER James Hawley				NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC				
1. G			-34E Lea County N		RESS AND COMMON	LANDM	IARKS – PLS	S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AV	AILABLE	
ENER	(FROM GPS)		LONGITUDE -103 25 ATTING WELL LOCATION TO STREET ADDRESS AND COMMON L			10.						
GENERAL AND WELL LOCATION	WELL LOCATION LATI		TUDE DEGREES MINUTES SECONDS 32 23 12.15 N			* ACCURACY REQUIRED: ONE TENTH OF A SECOND						
	WELL OWNER MAILING ADDRESS PO 3641						CITY Hobbs				ZIP	
	WELL OWNER NAME(S) Permian Resources						PHONE (OPTIONAL) 575-605-3471					
	Pod-1					CP-02005						
	OSE POD NO. (WELL NO.) WELL TAG ID NO.					OSE FILE NO(S).						

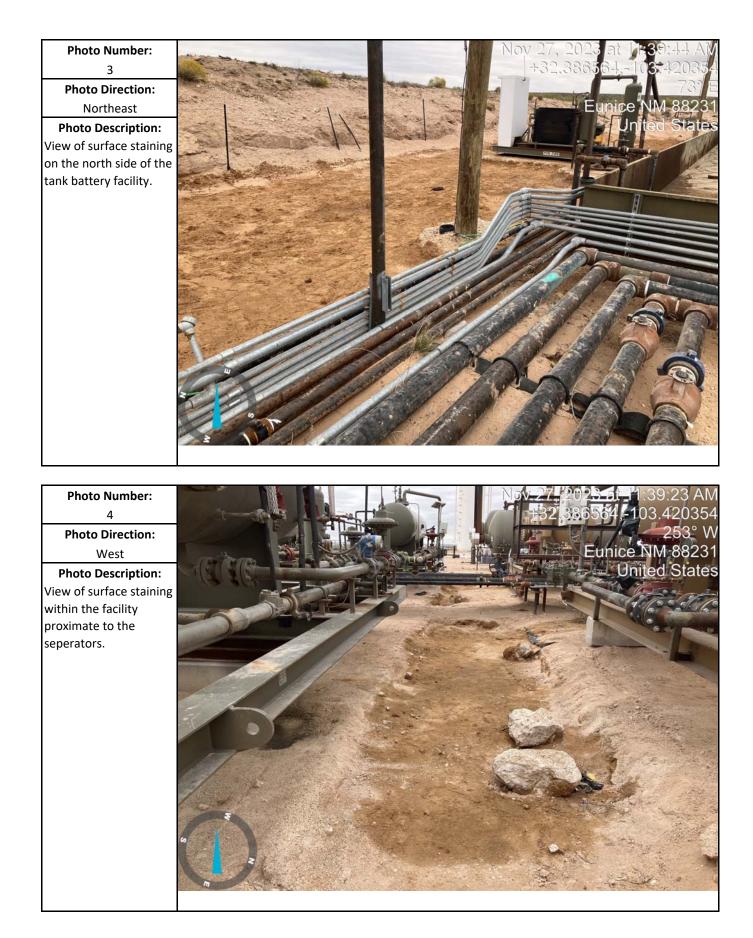
.

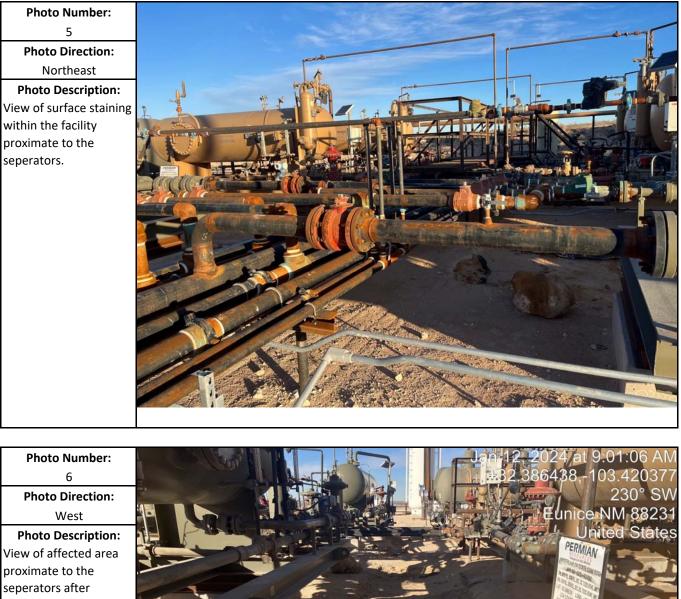
	DEPTH (	feet bgl) TO	THICKNESS (feet)	INCLUDE WATER	D TYPE OF MATERIAL EN R-BEARING CAVITIES OR Ilemental sheets to fully des	FRACTU	RE ZONES	BEAF	TER RING? / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
ł	0	10	10		white caliche			Y	✓ N	
H					light tan sandy caliche			Y	✓ N	
ŀ	10	20	10		light red alluvial sands			✓ Y	N	
ŀ	20	63	43		Red Bed			Y	✓ N	
ł	63	65	2		Red Bed			Y	N	
-								Y	N	
ELL								Y	N	
IM 3								Y	N	
0.5								Y	N	
FO										
GIC								Y Y	N	
OLO								Y	N N	
4. HYDROGEOLOGIC LOG OF WELL								Y	N	
DRC								Y	N	
KH .								Y	N	
4								Y	N	
								Y		
									N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD			O OF WATER-BEARING	G STRATA: HER – SPECIFY:			OTAL ESTI WELL YIEL		N/A
NO	WELL TE	ST TES	T RESULTS - ATT RT TIME, END T	ГАСН А СОРҮ OF DAT IME, AND A TABLE SH	A COLLECTED DURING ' IOWING DISCHARGE AN	WELL TE D DRAW	STING, INCL DOWN OVER	UDING DIS THE TESTI	CHARGE N NG PERIC	METHOD, DD.
TEST; RIG SUPERVISIO	MISCELLA	ANEOUS II	NFORMATION: V le	Vell was installed at the eff in the hole until 7/10	e Permian Resources Airs 6/24, gauged, pulled, and	stream CT well bore	B to determi	ne depth of l.	groundwa	ter, casing was
5. TEST	PRINT NA Nathan Sm		DRILL RIG SUPE	RVISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION OF	WELL CONST	TRUCTION	OTHER TH	IAN LICENSEE:
TURE	CORRECT	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:								
6. SIGNATURE	LA	b	why		ames Hawley			7.	/19/24 DATE	
		SIGNA	TURE OF DRILL	ER / PRINT SIGNEE	INAIVIE				DITTE	
FO	R OSE INTE	RNAL USE	3			1		RECORD	& LOG (Ve	rsion 09/22/2022)
FII	LE NO.				POD NO.		TRN NO.			
LO	CATION					WELL 7	AG ID NO.	2		PAGE 2 OF 2

## **Appendix C** Photographic Log



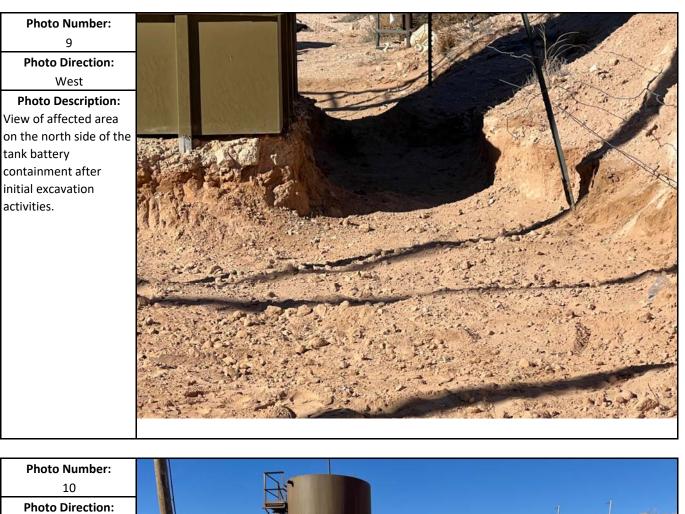
### Photographic Log





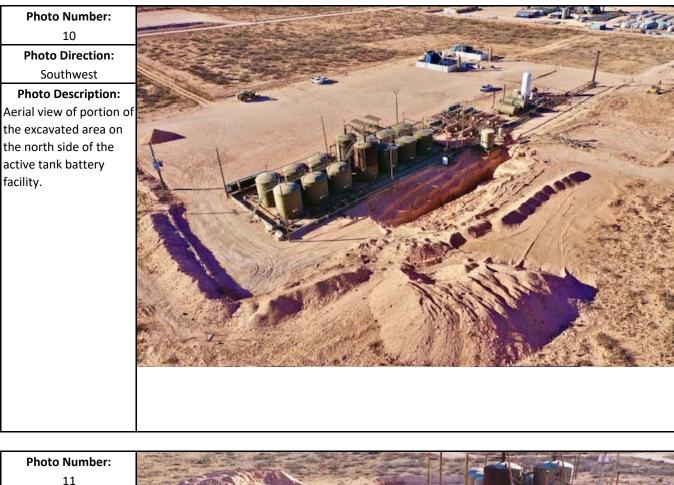




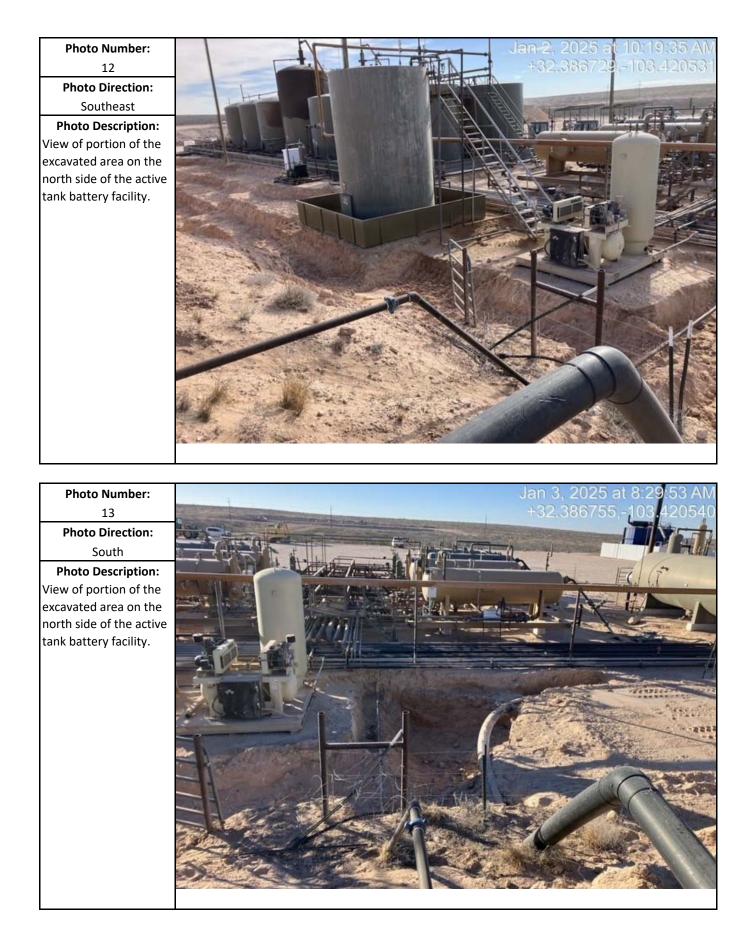


West Photo Description: View of affected area on the north side of the tank battery containment after initial excavation activities.





# Photo Number: 11 Photo Direction: East Photo Description: Aerial of portion of the excavated area on the north side of the active tank battery facility.



## **Appendix D** Laboratory Analytical Reports



January 26, 2024

JOEL LOWRY Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/23/24 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: SP 1 @ 1' (H240286-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.17	109	2.00	2.39	
Toluene*	0.095	0.050	01/23/2024	ND	2.15	108	2.00	6.97	
Ethylbenzene*	0.051	0.050	01/23/2024	ND	2.22	111	2.00	9.34	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.60	110	6.00	11.1	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	01/24/2024	ND	220	110	200	0.608	
DRO >C10-C28*	13600	100	01/24/2024	ND	202	101	200	1.98	
EXT DRO >C28-C36	4690	100	01/24/2024	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	577	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: SP 2 @ 6' (H240286-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.72	0.500	01/23/2024	ND	2.17	109	2.00	2.39	
Toluene*	29.2	0.500	01/23/2024	ND	2.15	108	2.00	6.97	
Ethylbenzene*	23.0	0.500	01/23/2024	ND	2.22	111	2.00	9.34	
Total Xylenes*	80.1	1.50	01/23/2024	ND	6.60	110	6.00	11.1	
Total BTEX	134	3.00	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	24						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1400	10.0	01/23/2024	ND	220	110	200	0.608	
DRO >C10-C28*	3620	10.0	01/23/2024	ND	202	101	200	1.98	
EXT DRO >C28-C36	529	10.0	01/23/2024	ND					
Surrogate: 1-Chlorooctane	168	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	18						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: SP 3 @ 1' (H240286-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/23/2024	ND	2.17	109	2.00	2.39	
Toluene*	7.55	0.500	01/23/2024	ND	2.15	108	2.00	6.97	
Ethylbenzene*	5.90	0.500	01/23/2024	ND	2.22	111	2.00	9.34	
Total Xylenes*	22.9	1.50	01/23/2024	ND	6.60	110	6.00	11.1	
Total BTEX	36.4	3.00	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	136	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	745	100	01/24/2024	ND	220	110	200	0.608	
DRO >C10-C28*	12400	100	01/24/2024	ND	202	101	200	1.98	
EXT DRO >C28-C36	2210	100	01/24/2024	ND					
Surrogate: 1-Chlorooctane	342	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	307	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: SP 4 @ 1' (H240286-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.056	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	1.64	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	2.51	0.050	01/23/2024	ND	2.23	111	2.00	4.06	QM-07
Total Xylenes*	9.24	0.150	01/23/2024	ND	6.68	111	6.00	3.91	QM-07
Total BTEX	13.4	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	169	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	408	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	8100	10.0	01/24/2024	ND	205	102	200	0.276	QM-07
EXT DRO >C28-C36	1480	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	149	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	223	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: WH - 1 @ 1' (H240286-05)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	0.332	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	0.171	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	0.559	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	1.06	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	56.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	60.7	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: WH - 2 @ 1' (H240286-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: SH - 1 @ 1' (H240286-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	18.2	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	83.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: SH - 2 @ 1' (H240286-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	177	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	77.2	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	96.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: EH - 1 @ 1' (H240286-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: EH - 2 @ 1' (H240286-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	64.3	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	37.1	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	91.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: NH - 1 @ 1' (H240286-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	<10.0	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	<10.0	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/23/2024	Sampling Date:	01/22/2024
Reported:	01/26/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Shalyn Rodriguez
Project Location:	GPS: (32.38642, -103.42057)		

#### Sample ID: NH - 2 @ 1' (H240286-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2024	ND	2.31	116	2.00	1.02	
Toluene*	<0.050	0.050	01/23/2024	ND	2.14	107	2.00	6.11	
Ethylbenzene*	<0.050	0.050	01/23/2024	ND	2.23	111	2.00	4.06	
Total Xylenes*	<0.150	0.150	01/23/2024	ND	6.68	111	6.00	3.91	
Total BTEX	<0.300	0.300	01/23/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/23/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/24/2024	ND	204	102	200	2.51	
DRO >C10-C28*	70.7	10.0	01/24/2024	ND	205	102	200	0.276	
EXT DRO >C28-C36	21.8	10.0	01/24/2024	ND					
Surrogate: 1-Chlorooctane	71.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

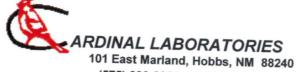
S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 16

(575) 393-2326 FAX (575) 393-2476

Company Nar		ental & Safety So	lutior	ns, li	nc.				22	22	R	ILL	TO		25										
Project Manag	ger: Joel Lowry								P.O. #:				1	-	-	_	AN	ALYS	SIS	REQU	JEST	 			
Address: 26	617 West Marland										_				-										
City: Hobbs	5	State: NM	Zi	p: 8	8240	)			Company Etech			-													
Phone #: (5	75) 264-9884	Fax #:							Attn: Joel Lowry			1													
Project #: 19	397	Project Own	or.	P	ormia	an Re				dres	s:				1	1									
Project Name:	Airstream 603-605				citille	an rie	sour	ces	City	y:															
	on: GPS: (32.38642,	103 42057)							Sta	te:		Zip:			ę	5M	18								
	: Martin Sepulveda	103.42057)							Pho	one #	<b>#:</b>				Chloride	TPH (8015M)	BTEX (8021B)								
FOR LAB USE ONLY	. Martin Sepulveda		_	_	_				Fax	:#:					Ē	I I	X								
						MA	ATRI	X	1	PRES	SERV	. S/	AMPL	ING		₽	E								
Lab I.D.	Sample	I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER :	DA	ATE	ТІМЕ											
	SP1 @ 1'		G	1		X				X		1/22	2/24		x	х	x				_				
3	SP2 @ 6'		G	1		X				X		1/22	2/24		X	X	x	-						 	
4	SP3 @ 1'		G	1		X				X		1/22	/24		X	X	X	-						 	
,	SP4 @ 1'		G	1		X				X		1/22	/24		X	X	X							 	
	WH-1 @ 1'		G	1		Х				X		1/22	/24		X	X	X	-						 	
2	WH-2 @ 1'		G	1		Х				X		1/22	/24		x	X	X	-						 	
	SH-1 @ 1'		G	1		X				X		1/22	/24		X	X	X							 	
	SH-2 @ 1'		G	1		X				X		1/22	/24		x	x	X							 	
A .	EH-1 @ 1'		G	1		Х				X		1/22/	24		X	x	X							 	
LEASE NOTE: Liability and	EH-2 @ 1'	nt's sustains and the	G	1		Х				X		1/22/	24		X	X	X							 	
nalyses. All claims includin prvice. In no event shall Ca	d Damages. Cardinal's liability and client g those for negligence and any other c rdinal be liable for incidental or conseq	ause whatsoever shall be o	leemed	arising waived	d whethe	made in	in contr writing	and re	tort, sha ceived	all be lin	nited to	the amou	unt paid	by the client for th	ne	~ 1	A								
filiates or successors arisin Relinquished By		of services hereunder by C	ardinal,	regard	less of v	whether s	uch cla	ns, loss aim is b	of use	, or loss	s of prof	fits incurre	ed by cli	ent, its subsidiarie	applicable s,	9									
MH.	The	Date: 1-2-3-24 Time: 0810			cu D	r: {Re						above sta		Phone Res Fax Result: REMARKS:	. [	□ Yes □ Yes			Add'l F Add'l F		#:				
elinquished By	:	Date: Time:	Rec	eive	ed By	:	-1			ð															
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Revision 1		† Car	dinal	car	nnot	acce	pt ve	erba	l cha	ange	s. P	lease	fax	written cha	anges	to 57	5-303	2476	the state of the s		-				

Page 61 of 191

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	ARDINAL LAB	0047		
No. of Concession, name	CANDINAL LAD	URAI	UR	IE2
	101 Fast Marland	Hobbo	AIB#	000

Page 62 of 191

Received by OCD: 1/20/2025 3:00:58 PM

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	
Project Manager: Joel Lowry	P.O. #:	ANALYSIS REQUEST
Address: 2617 West Marland		
City: Hobbs State: NM Zip: 88240	Company Etech	4
Phone #: (575) 264-9884 Fax #:	Attn: Joel Lowry	
Project #. 10207	Address:	
Project Name: Airstream 603-605	<sup>S</sup> City:	
Project Location: GPS: (32.38642, -103.42057)	State: Zip:	Chloride TPH (8015M) BTEX (8021B)
Sampler Name: Martin Sepulveda	Phone #:	Chloride EX (8021
FOR LAB USE ONLY	Fax #:	
MATRIX	PRESERV. SAMPLING	
Tap I'D     Samble I'D       ASTEWATER     # CONTAINERS       # CONTAINERS     # CONTAINERS       Solu     0il	OTHER : ACID/BASE: ICE / COOL OTHER : AMIL AUTHER :	
G 1 X	X 1/22/24	X X X
G 1 X	X 1/22/24	X X X
LEASE NOTE: Liability and Damages. Cardinal's liability and client's evolution speed of		
LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract naives. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and revice. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, lo fillates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is Received By:	vacuore by cardinal within 30 days after completion of the is sos of use, or loss of profits incurred by client, its subsidiaries is based upon any of the above stated reasons or otherwise.	applicable
Time: and Sharking	Fax Result:	lit: □ Yes □ No Add'I Phone #: □ Yes □ No Add'I Fax #:
elinguished Bu	MUN REMARKS:	
Time:	_	
Delivered By: (Circle One) Sample Condition	Please em CHECKED BY:	ail copy of COC and results to pm@etechenv.com.
Sampler - UPS - Bus - Other: -7. 20 4140 Cool Intact	(Initials)	
FODM 000	al changes. Please fax written cha	nges to 575-393-2476



February 13, 2024

ROBBIE RUNNELS

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 02/01/24 14:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager

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#### Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project Number:	AIRSTREAM 603-605 19397 ROBBIE RUNNELS	Reported: 13-Feb-24 15:48
---	-----------------	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
DEF - 1 @ 6"	H240494-01	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 2 @ 6"	H240494-02	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 3 @ 6"	H240494-03	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 4 @ 6"	H240494-04	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 5 @ 6"	H240494-05	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 6 @ 6"	H240494-06	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 7 @ 6"	H240494-07	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 8 @ 6"	H240494-08	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 1 @ 6'-R	H240494-09	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 2 @ 2'	H240494-10	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 3 @ 3'-R	H240494-11	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 4 @ 4'-R	H240494-12	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 5 @ 8'-R	H240494-13	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 6 @ 5'-R	H240494-14	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 7 @ 1.5'	H240494-15	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
DEF - 8 @ 1'	H240494-16	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
SP-1 @ 2'-R	H240494-17	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
SP-2@3'-R	H240494-18	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
SP-3 @ 2'-R	H240494-19	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
SP-4 @ 10'-R	H240494-20	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
WH - 1 @ SURF	H240494-21	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
WH - 2 @ SURF	H240494-22	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
NH - 1 @ SURF	H240494-23	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
NH - 2 @ SURF	H240494-24	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
SH - 1 @ SURF	H240494-25	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
SH - 2b @ SURF	H240494-26	Soil	31-Jan-24 00:00	01-Feb-24 14:53	
SH - 2b @ 1'	H240494-27	Soil	31-Jan-24 00:00	01-Feb-24 14:53	

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	Solutions	Project Number:	ROBBIE RUNNELS	Reported: 13-Feb-24 15:48
EH - 1 @ SURF	H240494-28	Soil	31-Jan-24 00:00	01-Feb-24 14:53
EH - 2b @ 1'	H240494-29	Soil	31-Jan-24 00:00	01-Feb-24 14:53
EH - 2b @ SURF	H240494-30	Soil	31-Jan-24 00:00	01-Feb-24 14:53

02/07/24 - Client changed the sample ID on -29 (see COC). This is the revised report and will replace the one sent on 02/06/24.

02/13/24 - Client changed the sample IDs on -26, -27, -29 and 30 (see COC). This is the 2nd revision of the report and will replace the one sent on 02/07/24.

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48			
				- 1 @ 6						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	464		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								S-04
Benzene*	0.668		0.100	mg/kg	100	4020207	ЛН	03-Feb-24	8021B	
Toluene*	12.7		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	11.2		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	31.4		0.300	mg/kg	100	4020207	ЛН	03-Feb-24	8021B	
Total BTEX	56.0		0.600	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			178 %	71.5	-134	4020207	ЛН	03-Feb-24	8021B	
Petroleum Hydrocarbons by GO	C FID									S-06
GRO C6-C10*	620		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	9770		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	1810		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			116 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			206 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:					Reported: 13-Feb-24 15:48				
				' - 2 @ 6 494-02 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	80.0		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds b	oy EPA Method	8021								S-04
Benzene*	0.315		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Toluene*	6.32		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	6.54		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	19.1		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	32.3		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		216 %	71.5	-134	4020207	ЈН	03-Feb-24	8021B	
Petroleum Hydrocarbons by G	C FID									S-04
GRO C6-C10*	408		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	3260		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	582		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			138 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			112 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:					Reported: 13-Feb-24 15:48				
				' - 3 @ 6 494-03 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	1150		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds		8021	10.0	ing/kg	·	1020520	01	03 100 21	1500 61 5	S-04
Benzene*	0.269	0021	0.050	mg/kg	50	4020207	ЛН	03-Feb-24	8021B	5-04
Toluene*	3.72		0.050	mg/kg	50	4020207	Л	03-Feb-24	8021B	
Ethylbenzene*	3.08		0.050	mg/kg	50	4020207	ЛН	03-Feb-24	8021B	
Total Xylenes*	9.71		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	16.8		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID	)		174 %	71.5	-134	4020207	ЈН	03-Feb-24	8021B	
Petroleum Hydrocarbons by C	GC FID									S-06
GRO C6-C10*	384		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	18400		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	4310		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			129 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			450 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safet 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:					Reported: 13-Feb-24 15:48				
				' - 4 @ 6 194-04 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds			16.0			1020526	07	05 5 1 04	4500 CL D	
Chloride	112		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by	y EPA Method	8021								S-04
Benzene*	0.171		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Toluene*	0.778		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	1.90		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	7.53		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	10.4		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			213 %	71.5	-134	4020207	ЈН	03-Feb-24	8021B	
Petroleum Hydrocarbons by G	C FID									S-06
GRO C6-C10*	488		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	27700		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	5210		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			180 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			598 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

#### **Cardinal Laboratories**

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Saf 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:					Reported: 13-Feb-24 15:48				
				' - 5 @ 6 494-05 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	160		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Toluene*	0.415		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	0.562		0.050	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	1.78		0.150	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Total BTEX	2.76		0.300	mg/kg	50	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	))		121 %	71.5	-134	4020207	JH	03-Feb-24	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	<50.0		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	21700		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	5880		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			91.7 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			577 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Saf 2617 W MARLAND HOBBS NM, 88240	Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48			
				- 6 @ 6 194-06 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	912		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds		8021	10.0	<u>.</u> , <u>.</u>	·	1020020		00 100 21	1000 01 2	S-04
Benzene*	<0.500	/021	0.500	mg/kg	500	4020207	ЛН	03-Feb-24	8021B	
Toluene*	17.7		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	19.0		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	65.4		1.50	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total BTEX	102		3.00	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		144 %	71.5	-134	4020207	ЛН	03-Feb-24	8021B	
Petroleum Hydrocarbons by	GC FID									S-06
GRO C6-C10*	1500		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	35500		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	6220		50.0	mg/kg	5	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			179 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			751 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Saf 2617 W MARLAND HOBBS NM, 88240		Project Num Project Mana	oject: AIRSTREAM 603-605 Reported: hber: 19397 13-Feb-24 15: ager: ROBBIE RUNNELS k To:					48		
				' - 7 @ 6 194-07 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	1280		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PII	D)		103 %	71.5	-134	4020207	ЈН	02-Feb-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	10.9		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			95.5 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			93.6 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	ety Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 3-Feb-24 15:	48
				- 8 @ ( 194-08 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	224		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020207	JH	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020207	ЛН	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		102 %	71.5	-134	4020207	JH	02-Feb-24	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	401		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	222		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			97.9 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			105 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	/ Solutions		Project Num Project Mana Fax DEF ·	ber: 193 ger: ROF To: -1 @ 6	BBIE RUNN			1	Reported: 3-Feb-24 15:	48
				194-09 (Se	)II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	1120		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								S-04
Benzene*	1.60		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Toluene*	60.2		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	48.1		0.500	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	130		1.50	mg/kg	500	4020207	JH	03-Feb-24	8021B	
Total BTEX	240		3.00	mg/kg	500	4020207	ЛН	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			155 %	71.5	-134	4020207	JH	03-Feb-24	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	1980		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	5360		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	836		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			125 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	ty Solutions		Project Num Project Mana	, ber: 193				1	Reported:  3-Feb-24 15:4	18
				7 - 2 @ 2 494-10 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds Chloride	368		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds I	ov EPA Method	8021								S-04
Benzene*	0.286		0.100	mg/kg	100	4020207	ЛН	03-Feb-24	8021B	
Toluene*	7.31		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Ethylbenzene*	6.99		0.100	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Total Xylenes*	21.0		0.300	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Total BTEX	35.6		0.600	mg/kg	100	4020207	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		164 %	71.5	-134	4020207	ЛН	03-Feb-24	8021B	
Petroleum Hydrocarbons by G	GC FID									
GRO C6-C10*	314		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
DRO >C10-C28*	3910		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	745		10.0	mg/kg	1	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			123 %	48.2	-134	4020147	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	4020147	MS	02-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safet 2617 W MARLAND HOBBS NM, 88240	y Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				- 3 @ 3' 494-11 (Se							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds											
Chloride	64.0		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds b	y EPA Method	8021									
Benzene*	<2.00		2.00	mg/kg	2000	4020209	ЛН	03-Feb-24	8021B	QM-07	
Toluene*	43.5		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	QM-07	
Ethylbenzene*	33.6		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	QM-07	
Total Xylenes*	103		6.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	QM-07	
Total BTEX	180		12.0	mg/kg	2000	4020209	ЈН	03-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5	-134	4020209	JH	03-Feb-24	8021B		
Petroleum Hydrocarbons by G	C FID										
GRO C6-C10*	2000		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B		
DRO >C10-C28*	5140		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B		
EXT DRO >C28-C36	783		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B		
Surrogate: 1-Chlorooctane			123 %	48.2	-134	4020147	MS	03-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			110 %	49.1	-148	4020147	MS	03-Feb-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	ty Solutions		Project Num Project Mana Fax	ber: 193	BIE RUNN			1	Reported: 3-Feb-24 15:	48
			H2404	194-12 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								S-04
Benzene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Toluene*	0.881		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	0.956		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	3.71		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	5.55		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			172 %	71.5	-134	4020209	ЈН	02-Feb-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	126		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	1650		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	317		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			114 %	48.2	-134	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			107 %	49.1	-148	4020147	MS	03-Feb-24	8015B	

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Etech Environmental & Safet 2617 W MARLAND HOBBS NM, 88240	y Solutions		Project Num Project Mana	, ber: 193				1	Reported: 3-Feb-24 15:	48
				- 5 @ 8' 494-13 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	112		16.0	mg/kg	4	4020526	CT	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	5.70		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Toluene*	121		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	90.2		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	266		6.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total BTEX	483		12.0	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			130 %	71.5	-134	4020209	JH	03-Feb-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	2110		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	4820		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	716		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			130 %	48.2	-134	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			116 %	49.1	-148	4020147	MS	03-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Sat 2617 W MARLAND HOBBS NM, 88240	fety Solutions		Project Num Project Mana	, ber: 193				1	Reported: 13-Feb-24 15:4	48
				- 6 @ 5' 494-14 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	64.0		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		90.1 %	71.5	-134	4020209	ЈН	02-Feb-24	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			96.9 %	48.2	-134	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			96.4 %	49.1	-148	4020147	MS	03-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	ety Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 3-Feb-24 15:4	48
				- 7 @ 1 494-15 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
<u>Inorganic Compounds</u> Chloride	112		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID	))		116 %	71.5	-134	4020209	JH	02-Feb-24	8021B	
Petroleum Hydrocarbons by (	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			91.9 %	48.2	-134	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			90.7 %	49.1	-148	4020147	MS	03-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	ety Solutions		Project Num Project Mana	, ber: 193				1	Reported: 3-Feb-24 15:4	48
				7 - 8 @ 1 194-16 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	208		16.0	mg/kg	4	4020526	СТ	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8	3021								
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	0.090		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID	))		104 %	71.5	-134	4020209	ЈН	02-Feb-24	8021B	
Petroleum Hydrocarbons by (	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
DRO >C10-C28*	182		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	37.8		10.0	mg/kg	1	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			92.7 %	48.2	-134	4020147	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			92.6 %	49.1	-148	4020147	MS	03-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	ety Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 3-Feb-24 15:4	48
				1 @ 2'- 194-17 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
<u>Inorganic Compounds</u> Chloride	64.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	0.258		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	0.081		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	0.482		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID	))		108 %	71.5	-134	4020209	ЈН	02-Feb-24	8021B	
Petroleum Hydrocarbons by (	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	327		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	111		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			93.1 %	48.2	-134	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			114 %	49.1	-148	4020148	MS	02-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safe 2617 W MARLAND HOBBS NM, 88240	ty Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				2 @ 3'- 194-18 (So							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
<u>Inorganic Compounds</u> Chloride	960		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds b	y EPA Method	8021									
Benzene*	2.21		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B		
Toluene*	31.8		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B		
Ethylbenzene*	18.6		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B		
Total Xylenes*	57.1		3.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B		
Total BTEX	110		6.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			113 %	71.5	-134	4020209	JH	03-Feb-24	8021B		
Petroleum Hydrocarbons by G	C FID										
GRO C6-C10*	592		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
DRO >C10-C28*	2850		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
EXT DRO >C28-C36	562		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctane			121 %	48.2	-134	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			120 %	49.1	-148	4020148	MS	02-Feb-24	8015B		

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	Solutions		Project Num Project Mana Fax	ber: 193 ger: ROE To:	BIE RUNN			1	Reported: 3-Feb-24 15:	48
				3 @ 2'- 494-19 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								S-04
Benzene*	1.46		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Toluene*	46.6		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	50.1		1.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	163		3.00	mg/kg	1000	4020209	JH	03-Feb-24	8021B	
Total BTEX	261		6.00	mg/kg	1000	4020209	ЛН	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			142 %	71.5	-134	4020209	JH	03-Feb-24	8021B	
Petroleum Hydrocarbons by GC	FID									S-04
GRO C6-C10*	1710		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	4870		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	882		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			180 %	48.2	-134	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			123 %	49.1	-148	4020148	MS	02-Feb-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				4 @ 10'· 494-20 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	17.1		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Toluene*	203		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Ethylbenzene*	106		2.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	306		6.00	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Total BTEX	632		12.0	mg/kg	2000	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			117 %	71.5	-134	4020209	JH	03-Feb-24	8021B	
Petroleum Hydrocarbons by GC	FID									S-04
GRO C6-C10*	3120		10.0	mg/kg	1	4020148	MS	03-Feb-24	8015B	
DRO >C10-C28*	5920		10.0	mg/kg	1	4020148	MS	03-Feb-24	8015B	
EXT DRO >C28-C36	1070		10.0	mg/kg	1	4020148	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctane			213 %	48.2	-134	4020148	MS	03-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			134 %	49.1	-148	4020148	MS	03-Feb-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240		Project Num Project Mana	ber: 193		Reported: 13-Feb-24 15:48					
				1 @ SU 494-21 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds			16.0			4020510		05 5 1 04	4500 CL D	
Chloride	144		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5	-134	4020209	JH	02-Feb-24	8021B	
Petroleum Hydrocarbons by GC	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			76.0 %	48.2	-134	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			81.1 %	49.1	-148	4020148	MS	02-Feb-24	8015B	

### **Cardinal Laboratories**

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				2 @ SU 494-22 (Se							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	16.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds by	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			98.8 %	71.5	-134	4020209	ЛН	02-Feb-24	8021B		
Petroleum Hydrocarbons by GC	FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctane			88.6 %	48.2	-134	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			96.4 %	49.1	-148	4020148	MS	02-Feb-24	8015B		

### **Cardinal Laboratories**

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Saf 2617 W MARLAND HOBBS NM, 88240	ety Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				1 @ SU 494-23 (Se							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	48.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds	by EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PIL	))		111 %	71.5	-134	4020209	ЛН	02-Feb-24	8021B		
Petroleum Hydrocarbons by	GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctane			93.0 %	48.2	-134	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	4020148	MS	02-Feb-24	8015B		

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				2 @ SU] 494-24 (Se							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	48.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds by	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЈН	02-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5	-134	4020209	ЛН	02-Feb-24	8021B		
Petroleum Hydrocarbons by GC	FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctane			95.6 %	48.2	-134	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			104 %	49.1	-148	4020148	MS	02-Feb-24	8015B		

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions       Project:       AIRSTREAM 603-605         2617 W MARLAND       Project Number:       19397         HOBBS NM, 88240       Project Manager:       ROBBIE RUNNELS         Fax To:       SH - 1 @ SURF								1	Reported: 3-Feb-24 15:	48
				1 @ SUI 494-25 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4020209	JH	02-Feb-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	42.1		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			85.2 %	48.2	-134	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			96.2 %	49.1	-148	4020148	MS	02-Feb-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	' Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				8 @ SU 494-26 (So							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
Inorganic Compounds Chloride	32.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds by	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5	-134	4020209	ЛН	02-Feb-24	8021B		
Petroleum Hydrocarbons by GC	C FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
DRO >C10-C28*	19.2		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctane			83.7 %	48.2	-134	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			92.3 %	49.1	-148	4020148	MS	02-Feb-24	8015B		

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	STREAM 60 97 3BIE RUNN			1	Reported: 3-Feb-24 15:	48				
				- 2b @ 1 494-27 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds	44.0		160			4020519	AC	05-Feb-24	4500-Cl-B	
Chloride	16.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-CI-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	71.5	-134	4020209	ЈН	02-Feb-24	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			92.3 %	48.2	-134	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			101 %	49.1	-148	4020148	MS	02-Feb-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safet 2617 W MARLAND HOBBS NM, 88240	y Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				1 @ SU 494-28 (Se							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	32.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds by	y EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	ЈН	02-Feb-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			94.9 %	71.5	-134	4020209	ЛН	02-Feb-24	8021B		
Petroleum Hydrocarbons by G	C FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctane			91.5 %	48.2	-134	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			102 %	49.1	-148	4020148	MS	02-Feb-24	8015B		

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety 2617 W MARLAND HOBBS NM, 88240	Solutions		Project: AIRSTREAM 603-605 Project Number: 19397 Project Manager: ROBBIE RUNNELS Fax To:						Reported: 13-Feb-24 15:48		
				- 2b @ 1 494-29 (Se							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Labora	tories						
<u>Inorganic Compounds</u> Chloride	32.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B		
Volatile Organic Compounds by	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	02-Feb-24	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	ЛН	02-Feb-24	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5	-134	4020209	JH	02-Feb-24	8021B		
Petroleum Hydrocarbons by GC	FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctane			93.0 %	48.2	-134	4020148	MS	02-Feb-24	8015B		
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	4020148	MS	02-Feb-24	8015B		

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safet 2617 W MARLAND HOBBS NM, 88240	y Solutions		Project Num Project Mana Fax	Project: AIRSTREAM 603-605 Reporte roject Number: 19397 13-Feb-24 oject Manager: ROBBIE RUNNELS Fax To: EH - 2b @ SURF						
				494-30 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds Chloride	32.0		16.0	mg/kg	4	4020518	AC	05-Feb-24	4500-Cl-B	
Volatile Organic Compounds b		8021		00						
Benzene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	03-Feb-24	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	4020209	ЛН	03-Feb-24	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	4020209	JH	03-Feb-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5	-134	4020209	ЛН	03-Feb-24	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctane			78.3 %	48.2	-134	4020148	MS	02-Feb-24	8015B	
Surrogate: 1-Chlorooctadecane			85.8 %	49.1	-148	4020148	MS	02-Feb-24	8015B	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



%REC

RPD

# Analytical Results For:

Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project Number:	AIRSTREAM 603-605 19397 ROBBIE RUNNELS	Reported: 13-Feb-24 15:48
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## **Inorganic Compounds - Quality Control**

# Cardinal Laboratories Reporting Spike Source

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4020518 - 1:4 DI Water										
Blank (4020518-BLK1)				Prepared &	analyzed:	05-Feb-24				
Chloride	ND	16.0	mg/kg							
LCS (4020518-BS1)				Prepared &	analyzed:	05-Feb-24				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (4020518-BSD1)				Prepared &	analyzed:	05-Feb-24				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 4020526 - 1:4 DI Water										
Blank (4020526-BLK1)				Prepared &	z Analyzed:	05-Feb-24				
Chloride	ND	16.0	mg/kg							
LCS (4020526-BS1)				Prepared &	Analyzed:	05-Feb-24				
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (4020526-BSD1)				Prepared &	k Analyzed:	05-Feb-24				
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

#### Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project Number:	AIRSTREAM 603-605 19397 ROBBIE RUNNELS	Reported: 13-Feb-24 15:48
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

<b>Cardinal Labor</b>	atories
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020207 - Volatiles										
Blank (4020207-BLK1)				Prepared &	Analyzed:	02-Feb-24				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	71.5-134			
LCS (4020207-BS1)				Prepared &	Analyzed:	02-Feb-24				
Benzene	2.21	0.050	mg/kg	2.00		110	82.8-130			
Toluene	2.21	0.050	mg/kg	2.00		111	86-128			
Ethylbenzene	2.21	0.050	mg/kg	2.00		110	85.9-128			
m,p-Xylene	4.46	0.100	mg/kg	4.00		112	89-129			
o-Xylene	2.19	0.050	mg/kg	2.00		109	86.1-125			
Total Xylenes	6.65	0.150	mg/kg	6.00		111	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0516		mg/kg	0.0500		103	71.5-134			
LCS Dup (4020207-BSD1)				Prepared &	Analyzed:	02-Feb-24				
Benzene	1.98	0.050	mg/kg	2.00		98.8	82.8-130	11.1	15.8	
Toluene	1.98	0.050	mg/kg	2.00		99.0	86-128	11.1	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.4	85.9-128	11.5	16	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89-129	9.94	16.2	
o-Xylene	1.95	0.050	mg/kg	2.00		97.4	86.1-125	11.4	16.7	
Total Xylenes	5.99	0.150	mg/kg	6.00		99.8	88.2-128	10.4	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	71.5-134			

# Batch 4020209 - Volatiles

Blank (4020209-BLK1)			Prepared & Analyzed: 02-Feb-24
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

## Cardinal Laboratories

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project Number:	AIRSTREAM 603-605 19397 ROBBIE RUNNELS	Reported: 13-Feb-24 15:48
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

# **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4020209 - Volatiles										
Blank (4020209-BLK1)				Prepared &	Analyzed:	02-Feb-24				
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	71.5-134			
LCS (4020209-BS1)				Prepared &	Analyzed:	02-Feb-24	ļ			
Benzene	2.19	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.15	0.050	mg/kg	2.00		108	86-128			
Ethylbenzene	2.27	0.050	mg/kg	2.00		113	85.9-128			
m,p-Xylene	4.44	0.100	mg/kg	4.00		111	89-129			
o-Xylene	2.24	0.050	mg/kg	2.00		112	86.1-125			
Total Xylenes	6.68	0.150	mg/kg	6.00		111	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0531		mg/kg	0.0500		106	71.5-134			
LCS Dup (4020209-BSD1)				Prepared &	Analyzed:	02-Feb-24	Ļ			
Benzene	2.10	0.050	mg/kg	2.00		105	82.8-130	4.08	15.8	
Toluene	2.05	0.050	mg/kg	2.00		102	86-128	4.97	15.9	
Ethylbenzene	2.14	0.050	mg/kg	2.00		107	85.9-128	5.71	16	
m,p-Xylene	4.20	0.100	mg/kg	4.00		105	89-129	5.64	16.2	
o-Xylene	2.11	0.050	mg/kg	2.00		105	86.1-125	5.98	16.7	
Total Xylenes	6.31	0.150	mg/kg	6.00		105	88.2-128	5.75	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	71.5-134			

### **Cardinal Laboratories**

### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project Number:	AIRSTREAM 603-605 19397 ROBBIE RUNNELS	Reported: 13-Feb-24 15:48	
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### Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal	Laboratories
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4020147 - General Prep - Organics										
Blank (4020147-BLK1)				Prepared: (	)1-Feb-24 A	Analyzed: 0	2-Feb-24			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.8		mg/kg	50.0		99.7	48.2-134			
Surrogate: 1-Chlorooctadecane	48.6		mg/kg	50.0		97.1	49.1-148			
LCS (4020147-BS1)				Prepared: (	)1-Feb-24 A	Analyzed: 0	2-Feb-24			
GRO C6-C10	219	10.0	mg/kg	200		110	66.4-123			
DRO >C10-C28	230	10.0	mg/kg	200		115	66.5-118			
Total TPH C6-C28	449	10.0	mg/kg	400		112	77.6-123			
Surrogate: 1-Chlorooctane	50.7		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	48.9		mg/kg	50.0		97.8	49.1-148			
LCS Dup (4020147-BSD1)				Prepared: (	)1-Feb-24 A	Analyzed: 0	2-Feb-24			
GRO C6-C10	212	10.0	mg/kg	200		106	66.4-123	3.59	17.7	
DRO >C10-C28	220	10.0	mg/kg	200		110	66.5-118	4.60	21	
Total TPH C6-C28	431	10.0	mg/kg	400		108	77.6-123	4.11	18.5	
Surrogate: 1-Chlorooctane	50.6		mg/kg	50.0		101	48.2-134			
Surrogate: 1-Chlorooctadecane	48.9		mg/kg	50.0		97.8	49.1-148			
Batch 4020148 - General Prep - Organics										
Blank (4020148-BLK1)				Prepared: (	)1-Feb-24 A	Analyzed: 0	2-Feb-24			
GRO C6-C10	ND	10.0	mg/kg							

Diank (1020110 DEICI)				riepureu. or rec	$5 \pm 11 \operatorname{mary}_{2} \operatorname{ca.} 0$	210021	
GRO C6-C10	ND	10.0	mg/kg				
DRO >C10-C28	ND	10.0	mg/kg				
EXT DRO >C28-C36	ND	10.0	mg/kg				
Surrogate: 1-Chlorooctane	42.9		mg/kg	50.0	85.9	48.2-134	
Surrogate: 1-Chlorooctadecane	48.5		mg/kg	50.0	97.1	49.1-148	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS NM, 88240	Project Number:	AIRSTREAM 603-605 19397 ROBBIE RUNNELS	Reported: 13-Feb-24 15:48
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# Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 4020148 - General Prep - Organics										
LCS (4020148-BS1)				Prepared: (	)1-Feb-24 A	analyzed: 0	2-Feb-24			
GRO C6-C10	185	10.0	mg/kg	200		92.6	66.4-123			
DRO >C10-C28	182	10.0	mg/kg	200		91.0	66.5-118			
Total TPH C6-C28	367	10.0	mg/kg	400		91.8	77.6-123			
Surrogate: 1-Chlorooctane	43.6		mg/kg	50.0		87.3	48.2-134			
Surrogate: 1-Chlorooctadecane	49.6		mg/kg	50.0		99.3	49.1-148			
LCS Dup (4020148-BSD1)				Prepared: (	)1-Feb-24 A	analyzed: 0	2-Feb-24			
GRO C6-C10	178	10.0	mg/kg	200		89.2	66.4-123	3.75	17.7	
DRO >C10-C28	194	10.0	mg/kg	200		97.0	66.5-118	6.41	21	
Total TPH C6-C28	372	10.0	mg/kg	400		93.1	77.6-123	1.41	18.5	
Surrogate: 1-Chlorooctane	44.8		mg/kg	50.0		89.5	48.2-134			
Surrogate: 1-Chlorooctadecane	46.6		mg/kg	50.0		93.3	49.1-148			

# Cardinal Laboratories

## \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received by OCD: 1/20/2025 3:00:58 PM

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Nan	ne: Etech Environmental & Safety S	olutic	6	Inc					1	-																	
Project Manag	er: Robbie Runnels	oratic	113,	inc	-				2			B	ILL TO	2					AN	ALY	(SIS	REC	DUE	ST			
Address: 26	17 West Marland								Ρ.	0. ;	#:									T	T	T		51	1	T	
City: Hobbs		-		000					Co	omp	ban	y	Et	tech													
Phone #: (5	75) 264 0004	2	ip:	882	40				At	tn:			Robbie R	unnels	1												
Project #: 19	207									ldre	SS:	:			1												
	Airstream 603-605	ner:		Perr	mian	Res	our	ces	Cit	ty:					1												
									Sta	ate:			Zip:			Î	a l										
	GPS: (32.38642, -103.42057)								Ph	one	#.		-ip.		Chloride	TPH (8015M)	BTEX (8021B)										
Sampler Name	Aaron Rios									x #:					Ē	8	8										
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/	DEF-4 @ 6"	G	1	Γ		x			1	-	x	┢	1/31/24		X	Х	Х										
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EASE NOTE: Liphility and	DEF-2 @ 2'	G	1			x		+	t	V	,	t	1/24/04		X	X	X										
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Page 103 of 191

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmenta Project Manager: Robbie Runnels	ra balely St	Diutio	ons,	Inc.							B/L	LL TO	)	20				4		010	DEOI	1000		_
Address: 2617 West Marland								/	P.0	. #:						Т				515	REQL	JEST		
City: Hobbs	04-4								Con	npany		Et	ech											
Phone # (575) 264 0004	State: NM	Z	ip: 8	382	40			4	Attn	:	F	Robbie R	unnels											8
Project #: 10207	Fax #:							A	Add	ress:														
Project Name: Airstream 603-605	Project Own	er:	P	Pern	nian F	Reso	urce		City					-										
									state		7	Zip:		-	ŝ		■							
Project Location: GPS: (32.38642, -103	3.42057)									ne #:	-	Lip.		Chloride	TPH (8015M)		BIEX (8021B)							
Sampler Name: Aaron Rios									ax					- le	8		8							
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Lab I.D. Sample I.D		G)RAB OR (C)OMP.		GROUNDWATER	WASTEWATER	SOIL	SLUDGE	THER :	ACID/BASE:	ICE / COOL OTHER :														
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12 DEF-4 @ 4'-R		G	1	F		^ X	+	-	⊢	X		1/31/24		X	Х	)	(							-
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14 DEF-6 @ 5'-R		G	1			x	+		⊢	X	-	1/31/24		X	Х	X								_
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16 DEF-8 @ 1'		G	1		)					X		/31/24		X	Х	×								_
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18 SP-2 @ 3'-R		G	1		X	-				X		/31/24		X	Х	X	-							
19 SP-3 @ 2'-R 20 SP-4 @ 10'-R		G	1		X	-				x	-	/31/24		X	Х	X								-
SE NOTE: Linbilly and D		G	1		X					V	4.11	/31/24		X	Х	X								
SE NOTE: Liability and Damages. Cardinal's liability and client's exc ses. All claims including those for negligence and any other cause w e. In no event shall Cardinal be liable for incidental or consequental es or successors arising out of or related to the performance of servic	lusive remedy for any hatsoever shall be de	emed v	arising waived	whet	ther base	d in cor	ntract o	or tort, s	shall t	be limited to	the a	amount paid	by the client for	X	Х	Х								-
inquished By: Dat	e: e:			on, bu less of E d B Sa Ca	ample ool Yes No	Conc Intac	ditio t No	n	C	HECKE	D B Is)	so vays atter incurred by clin re stated reas BY:	Please en	e applicable es, <u>suit: [</u> : : nail cop	☐ Yes ☐ Yes	CO	C and r	Add'l F Add'l F esults	ax #:		echen	/.com.		

Page 41 of 42

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Nan	ne: Etech Environmen	ntal & Safety So	lutio	ns, I	Inc.				1	22	20	R	ILL TO	2	1040										
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	617 West Marland								-						-										
City: Hobbs		State: NM	Zi	p: 8	824	0				om		iy		ech	_										
	75) 264-9884	Fax #:								ttn:			Robbie R	unnels	1										
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	Airstream 603-605						10301	arce	°C	ity:															
Project Location	on: GPS: (32.38642, -	103.42057)							St	tate	:		Zip:		e	2W		E I							
ampler Name	: Aaron Rios								Pł	non	e #:				oric	3		202							
FOR LAB USE ONLY			-	-	-	-			Fa	x #:					Chloride	TPH (8015M)									
FUDUGU			<u>a</u> .		$\vdash$		ATR	XI	1	PR	ESE	RV.	SAMPL	ING	1	₽									
10401			G)RAB OR (C)OMP.	S	Ш	~																			
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Page 42 of 42

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March 19, 2024

JOEL LOWRY Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 03/14/24 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



### PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

### Sample ID: SP 1 @ 3' (H241337-01)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.28	114	2.00	0.634	
Toluene*	<0.050	0.050	03/15/2024	ND	2.23	112	2.00	0.509	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.21	110	2.00	0.796	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.44	107	6.00	0.916	
Total BTEX	<0.300	0.300	03/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/16/2024	ND	201	100	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/16/2024	ND	208	104	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	03/16/2024	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.1	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

### Sample ID: DEF 1 @ 12' (H241337-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.22	0.500	03/15/2024	ND	2.28	114	2.00	0.634	
Toluene*	46.5	0.500	03/15/2024	ND	2.23	112	2.00	0.509	
Ethylbenzene*	38.3	0.500	03/15/2024	ND	2.21	110	2.00	0.796	
Total Xylenes*	119	1.50	03/15/2024	ND	6.44	107	6.00	0.916	
Total BTEX	206	3.00	03/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	148	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2540	50.0	03/16/2024	ND	231	115	200	8.20	QM-07
DRO >C10-C28*	7230	50.0	03/16/2024	ND	206	103	200	6.67	QM-07
EXT DRO >C28-C36	858	50.0	03/16/2024	ND					
Surrogate: 1-Chlorooctane	240	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	155	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

### Sample ID: DEF 3 @ 12' (H241337-03)

BTEX 8021B	mg/kg		Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.17	0.500	03/15/2024	ND	2.28	114	2.00	0.634	
Toluene*	50.5	0.500	03/15/2024	ND	2.23	112	2.00	0.509	
Ethylbenzene*	36.0	0.500	03/15/2024	ND	2.21	110	2.00	0.796	
Total Xylenes*	110	1.50	03/15/2024	ND	6.44	107	6.00	0.916	
Total BTEX	200	3.00	03/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	143	% 71.5-13	24						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: ms				S-06		S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2590	50.0	03/16/2024	ND	231	115	200	8.20	
DRO >C10-C28*	7160	50.0	03/16/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	914	50.0	03/16/2024	ND					
Surrogate: 1-Chlorooctane	237	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	154	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

## Sample ID: DEF 4 @ 5' (H241337-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.18	109	2.00	2.49	
Toluene*	0.152	0.050	03/15/2024	ND	2.16	108	2.00	2.93	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.08	104	2.00	3.31	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.23	104	6.00	3.27	
Total BTEX	<0.300	0.300	03/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2024	ND	231	115	200	8.20	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					
Surrogate: 1-Chlorooctane	79.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.6	% 49.1-14	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

## Sample ID: DEF 5 @ 9' (H241337-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.18	109	2.00	2.49	
Toluene*	<0.050	0.050	03/15/2024	ND	2.16	108	2.00	2.93	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.08	104	2.00	3.31	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.23	104	6.00	3.27	
Total BTEX	<0.300	0.300	03/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	Chloride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2024	ND	231	115	200	8.20	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					
Surrogate: 1-Chlorooctane	rogate: 1-Chlorooctane 86.1 % 48.2-1.		4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	03/14/2024	Sampling Date:	03/13/2024
Reported:	03/19/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397 - PERMIAN RESOURCES	Sample Received By:	Dionica Hinojos
Project Location:	GPS: (32.38642, -103.42057)		

## Sample ID: DEF 8 @ 2' (H241337-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2024	ND	2.18	109	2.00	2.49	
Toluene*	<0.050	0.050	03/15/2024	ND	2.16	108	2.00	2.93	
Ethylbenzene*	<0.050	0.050	03/15/2024	ND	2.08	104	2.00	3.31	
Total Xylenes*	<0.150	0.150	03/15/2024	ND	6.23	104	6.00	3.27	
Total BTEX	<0.300	0.300	03/15/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	Chloride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2024	ND	231	115	200	8.20	
DRO >C10-C28*	<10.0	10.0	03/15/2024	ND	206	103	200	6.67	
EXT DRO >C28-C36	<10.0	10.0	03/15/2024	ND					
Surrogate: 1-Chlorooctane	74.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.6	% 49.1-14	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Page 113 of 191

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Nam	e: Etech Environmen	tal & Safety Sol	ution	s, In	IC.				22	22	-	3//	LL TO		2			ANALYSIS DECUEST		
Project Manage	er: Joel Lowry								P.O. #:				1	1	1	ANALYSIS REQUEST				
Address: 26	17 West Marland								Company Permian Resources			-								
City: Hobbs		State: NM	ate: NM Zip: 88240						arry				1							
Phone #: (57	5) 264-9884	Fax #:							Att			IVI	lontgomer	y Floyd	-					
Project #: 193	97	Project Owne	er.	Pe	ermia	an Re	000	200		dres	s:				1					
Project Name:	Airstream 603-605	i i oject e i i i c					Jour	ces	Cit	-					1					
	n: GPS: (32.38642, -1	103 42057)								te:		2	Zip:		ę	TPH (8015M)	BTEX (8021B)			
	Martin Sepulveda	100.42007)								one	#:				Chloride	80	80			
FOR LAB USE ONLY			-	-	_				Fax	Concession in which the Party number of the Pa		_			<b>ີ</b> 5	H	ŭ			
H241337 Lab I.D.	Sample I.	.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER				ACID/BASE:			DATE	TIME		F	B			
	SP 1 @ 3'		G	1		X	(			1	X		3/13/24		Х	Х	X		-	
	DEF 1 @ 12'		G	1		X	(				x		3/13/24		х	Х	X			
	DEF 3 @ 12'		G	1		X	(			1	X		3/13/24		Х	Х	х		-	
	DEF 4 @ 5'		G	1		X				3	x		3/13/24		Х	Х	х		-	
	DEF 5 @ 9'		G	1		X				)	x	Ŀ	3/13/24		Х	Х	Х		-	
6	DEF 8 @ 2'		G	1		X				)	x	Ŀ	3/13/24		х	Х	Х		$\neg$	
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FORM-00									al cl	hand	les	Ple	ease fay	written ch	anger	to E7	5 202	0.0170		

Page 9 of 9

Revision 1.0

Received by OCD: 1/20/2025 3:00:58 PM



July 22, 2024

JOEL LOWRY Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 07/17/24 8:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	07/17/2024	Sampling Date:	07/16/2024
Reported:	07/22/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES (32.38642,-103.42		

## Sample ID: BH @ 20' (H244258-01)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	0.282	
Toluene*	<0.050	0.050	07/17/2024	ND	1.98	98.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	1.98	99.1	2.00	0.923	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.82	97.0	6.00	1.21	
Total BTEX	<0.300	0.300	07/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/17/2024	ND	480	120	400	6.90	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.3	200	0.589	
DRO >C10-C28*	95.1	10.0	07/17/2024	ND	193	96.5	200	0.820	
EXT DRO >C28-C36	23.0	10.0	07/17/2024	ND					
Surrogate: 1-Chlorooctane	115 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	132 9	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	07/17/2024	Sampling Date:	07/16/2024
Reported:	07/22/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES (32.38642,-103.42		

## Sample ID: BH @ 24' (H244258-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	0.282	
Toluene*	<0.050	0.050	07/17/2024	ND	1.98	98.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	1.98	99.1	2.00	0.923	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.82	97.0	6.00	1.21	
Total BTEX	<0.300	0.300	07/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.3	200	0.589	
DRO >C10-C28*	61.0	10.0	07/17/2024	ND	193	96.5	200	0.820	
EXT DRO >C28-C36	12.9	10.0	07/17/2024	ND					
Surrogate: 1-Chlorooctane	115 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	134 9	% 49.1-14	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	07/17/2024	Sampling Date:	07/16/2024
Reported:	07/22/2024	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN RESOURCES (32.38642,-103.4)		

## Sample ID: BH @ 28' (H244258-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2024	ND	2.00	100	2.00	0.282	
Toluene*	<0.050	0.050	07/17/2024	ND	1.98	98.9	2.00	0.625	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	1.98	99.1	2.00	0.923	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.82	97.0	6.00	1.21	
Total BTEX	<0.300	0.300	07/17/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/18/2024	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2024	ND	191	95.3	200	0.589	
DRO >C10-C28*	64.8	10.0	07/17/2024	ND	193	96.5	200	0.820	
EXT DRO >C28-C36	13.6	10.0	07/17/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	% 49.1-14	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 6

	101 East Marland, (575) 393-2326 F	AX (575) 393-2																					Page	1 of 1	
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City: Hobbs		State: NM	Zip	: 88	3240	)			Att	n:		M	ontgomery	Floyd	1					1					
Phone #: (5	75) 264-9884	Fax #:							Ad	dres	SS:				1										
	397	Project Owne	er:	Pe	ermia	an Re	esou	rces	Cit	y:					1										
Project Name:	Airstream 603-605								Sta	te:		z	Zip:			N)	18)								
Project Location	on: 32.38642, -103.42	057							Ph	one	#:				Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name	: Robbie Runnels									<b>(</b> #:					भू	H (8	X								
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Revision 1.0

Received by OCD: 1/20/2025 3:00:58 PM

Page 119 of 191



January 09, 2025

JOEL LOWRY Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/03/25 8:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 4 @ 20' (H250011-01)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	104 %	48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	0						

## **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 5 @ 15' (H250011-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 6 @ 15' (H250011-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 7 @ 4' (H250011-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	103 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 8 @ 5' (H250011-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: NW 8 @ 0-4' (H250011-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

## **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: NW 9 @ 4-8' (H250011-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: NW 10 @ 8-12' (H250011-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: NW 11 @ 12-16' (H250011-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: NW 12 @ 16-20' (H250011-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: NW 13 (H250011-11)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.8	% 49.1-14	8						

## Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: EW 1 @ 0-4' (H250011-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: EW 2 @ 4-8' (H250011-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: WW 1 (H250011-14)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	114 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: WW 2 (H250011-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.5	% 49.1-14	8						

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## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/09/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: WW 3 (H250011-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.75	87.6	2.00	6.56	
Toluene*	<0.050	0.050	01/03/2025	ND	1.84	91.8	2.00	6.38	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	1.77	88.6	2.00	5.93	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	5.16	86.1	6.00	6.17	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/03/2025	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/03/2025	ND	212	106	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/03/2025	ND	193	96.4	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	01/03/2025	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.2	% 49.1-14	8						

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## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	aborat 101 East Marland, Ho	torie	5										<u>CHAI</u>	<u>N-O</u>	F-CI	JSTO	DDY	AN	<u>d an</u>	ALY	<u>(SIS</u>	REC			e 19 of 20
Company Name:	(575) 393-2326 FAX	(575) 393-247	6	nc.		_		1	22		BII	L TO						ANA	LYSIS	REC	QUES	Г	Page '	1 of 2	Pade
		a culoty coluio						P	0. #	-								1	1		I				ſL,
Project Manager												Dormion F	Pagauraas	1											
Address: 261	7 West Marland				0004	~			omp	any:		Permian F													
City: Hobbs		State: NM	Zip		8824	0			ttn:		M	lontgomery	Floya								1				
Phone #: (575	.,	Fax #:							ddre	SS:											-				
Project #: 193	97	Project Owner:	F	Perm	nian R	esour	ces		ity:					0	N N	18									
Project Name:	Airstream 603-605							St	tate:			Zip:		Chloride	(8015M)	(8021B									
Project Location	32.38642, -103.4205	7					-	hone					ē	(8)		8									
Sampler Name:	Addison Elston			_				Fa	ax #:	ESE		CAME	PLING	5	TPH	втех									
Lab I.D.	Sample I.I	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER	NATE		OTHER :	ACID/BASE:		OTHER :	DATE	TIME			Ē									
1	FL 4 @ 20'		С	1		X			Т	Х		1/2/25		Х	X	Х									
2	FL 5 @ 15'		С	1		X				х		1/2/25		х	X	X									
3	FL 6 @ 15'		С	1		X				х		1/2/25		х	X	X		1							
4	FL 7 @ 4'		С	1		X				х		1/2/25		X	X	X									
5	FL 8 @ 5'		С	1		X				Х		1/2/25		Х	X	X				L					
10	NW 8 @ 0-4'		С	1		X				X		1/2/25		Х	X	X									
7	NW 9 @ 4-8'		С	1		X				X		1/2/25		Х	Х	Х							-		
8	NW 10 @ 8-12'		С	1		x				X		1/2/25		X	X	X	<u> </u>	-			-		L		
9	NW 11 @ 12-16'		С	1		X				X		1/2/25		X	X	X							-		
10	NW 12 @ 16-20'		С	1		X				X		1/2/25		Х	X	X									
analyses. All claims includi	then	use whatsoever shall be de	vithout rdinal, r	vaived limitati regardi	on, busine	ade in whitess internuether such	ptions,	loss of	f use, or	r loss o	of profit:	s incurred by clie	ent, its subsidiarie	s, esult: s are e			No provio	de Ema	techenv	ss: .com					
Delivered By: (0 Sampler - UPS -		served Temp. °C	10.	41		mple ( ool I Yes No	ntact	t /es No			(Init	(ED BY: ials)	Turnaroun Thermomet Correction ail change	ter ID Factor	#140 -0.6°C	Stand Rush			Cool Ye N	Intact s 🗌 Yo o 🗌 N		ple Con bserved	Temp.		

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 39	3-2476																				Page	2 of 2
Company Name	Etech Environmental & Safety	Solutions	, Inc							B	ILL TO					AN	ALY	SIS	REC	QUES	Т		(
Project Manage	r: Joel Lowry							P.0	). #:														
Address: 261	7 West Marland							Cor	npai	ny:	Permian	Resources											
City: Hobbs	State:	NM Z	ip:	88	240			Attr	n:		Montgomery	Floyd											
Phone #: (57	5) 264-9884 <b>Fax #:</b>							Add	dress	s:													
Project #: 193	97 Project O	wner:	Per	miar	Res	ource	s	City	:					E									
Project Name:	Airstream 603-605							Stat	te:		Zip:		de l	TPH (8015M)	BTEX (8021B)								
Project Locatio	n: 32.38642, -103.42057							Pho	one #	<b>#:</b>			Chloride	80	8								
Sampler Name:	Addison Elston							Fax	:#:			-	ह	H	<u> </u>								
FOR LAB USE ONLY				Γ	M	ATRI	X		PRE	SERV	. SAM	PLING	1	₽									
Lab I.D.	Sample I.D.		# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME											
H	NW 13	(	2 1			X				Х	1/2/25		Х	Х	X								
123	EW 1 @ 0-4'	(	2 1			X				х	1/2/25		X	X	X								
13	EW 2 @ 4-8'	(	1			X				х	1/2/25		X	X	X								
14	WW 1	(	1			X				X	1/2/25		X	X	X	_					-		
15	WW 2	(	2 1	1		X				X	1/2/25		X	X	X					+			$\vdash$
16	WW 3	(		+		X				X	1/2/25		X	X	X	_	_			+			
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analyses. All claims includ service. In no event shall (	and Damages. Cardinal's liability and client's exclusive remu- ing those for negligence and any other cause whatsoever si Zardinal be liable for incidental or consequental damages, in ing out of or related to the performance of services hereund	hall be deeme ncluding witho	d waive ut limita	d unles ation, bu	s made i Isiness ir	n writing nterruptic	and recons, loss	ceived s of use	by Can e, or los	dinal with ss of prof	hin 30 days after of fits incurred by cli	completion of the a ent, its subsidiaries	applicable										
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rveningruisned D	Time:				51.																		
Delivered By: (0 Sampler - UPS -		p. °C _q p. °C _10	8:-		Samp Cool		act Yes		C		KED BY: tials)	Turnarour Thermomet Correction	er ID #	¢140	Standar Rush	d 🛛	Co	ol ]Yes	ia (onl Intact	0 es		ndition d Temp. d Temp.	
500	4 000 D 2 5 09/05/24	and the second se							han	200	Ploaso om	ail change	s to c	elev ke	ene@car	dinallah							

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Cardinal cannot accept verbal changes. Please email changes to celey. Reene@cardinaliabsini.com



January 06, 2025

JOEL LOWRY Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/03/25 14:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 1 @ 8' (H250020-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	12.1	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 2 @ 21' (H250020-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	81.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.4	% 49.1-14	8						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: FL 3 @ 21' (H250020-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	105 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

## Sample ID: NW 1 @ 0-4' (H250020-04)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.2	% 49.1-14	8						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: NW 2 @ 0-4' (H250020-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: NW 3 @ 4'-8' (H250020-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	130 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	106 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: NW 4 @ 4'-8' (H250020-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.4	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: NW 5 @ 8-12' (H250020-08)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: NW 6 @ 12-16' (H250020-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	131 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/03/2025	Sampling Date:	01/02/2025
Reported:	01/06/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: NW 7 @ 16-20' (H250020-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/03/2025	ND	1.95	97.6	2.00	1.18	
Toluene*	<0.050	0.050	01/03/2025	ND	2.09	105	2.00	2.56	
Ethylbenzene*	<0.050	0.050	01/03/2025	ND	2.26	113	2.00	1.85	
Total Xylenes*	<0.150	0.150	01/03/2025	ND	6.89	115	6.00	1.96	
Total BTEX	<0.300	0.300	01/03/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	129 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/06/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/04/2025	ND	185	92.5	200	5.16	
DRO >C10-C28*	<10.0	10.0	01/04/2025	ND	179	89.3	200	12.5	
EXT DRO >C28-C36	<10.0	10.0	01/04/2025	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240

and the second se	(575) 393-2326 FAX (575) 3 Etech Environmental & Safety	Solutions	Inc.	and the local division of				12			BIL	LTO					/	ANAL	YSIS	REQ	UESI			
ompany Name:		- Junion of						P.0	). #:															
roject Manager:								Company: Etech																
ddress: 2617	West Marland	NIM 7:		882	240			Attn: Joel Lowry																
ity: Hobbs	State:	NM Zip	).	002	.40					ss:														
hone #: (575	) 264-9884 Fax #:	0	Dor	nian	Res	our	200	Address: City:					F	â										
roject #: 19397 Project Owner: Permian Resource							ate:		Z	Zip:		de	151	8015M) (8021B)										
roject Name:	Airstream 603-605					-	*		ione	#.				Chloride	(8015M)	(80							1	P
roject Location	: 32.38642, -103.42057							-	x #:					1 Å	H	BTEX								
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U S	NW 1 @ 0-4'	(	c /	1		Х		-	+	Х		1/2/25		X	X	x	-							
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8	NW 5 @ 8-12'		<u> </u>	1		Х		-	+	X		1/2/25		x	-	X						1		
9	NW 6 @ 12-16'		~ <b> </b>	1	-	X		-	+	X		1/2/25		Îx	X	X								
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	and Damages. Cardinal's liability and client's exclusive ing those for negligence and any other cause whatsoe Cardinal be liable for incidental or consequental dama sing out of or related to the performance of services he															(ac. 1	No	Add	I Phon	e #:				
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 1/20/2025 3:00:58 PM

of 13



January 13, 2025

JOEL LOWRY Etech Environmental & Safety Solutions 2617 W MARLAND HOBBS, NM 88240

RE: AIRSTREAM 603-605

Enclosed are the results of analyses for samples received by the laboratory on 01/07/25 14:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 1 - DEF @ 0-4' (H250059-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	7.53	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	QM-07
Ethylbenzene*	9.75	0.500	01/08/2025	ND	2.01	100	2.00	14.1	QM-07
Total Xylenes*	38.5	1.50	01/08/2025	ND	6.07	101	6.00	13.8	QM-07
Total BTEX	55.8	3.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	831	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	3770	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	651	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	179 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 1 - DEF @ 4'-8' (H250059-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	2.57	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	3.66	0.500	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	15.1	1.50	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	21.3	3.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	24						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	369	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	3570	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	643	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	153	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	18						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 1 - DEF @ 8'- 12' (H250059-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	3.53	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	4.27	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	16.8	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	24.6	6.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	354	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	3500	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	632	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	142	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 1 - DEF @ 12'-16' (H250059-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	7.88	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	6.73	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	23.9	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	28.5	6.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	471	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	3260	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	583	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	148	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	0						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 1 - DEF @ 16'-20' (H250059-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	22.0	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	18.9	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	68.4	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	109	6.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1190	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	4390	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	742	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	197	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 2 - DEF @ 0-4' (H250059-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	0.060	0.050	01/08/2025	ND	1.81	90.4	2.00	10.1	GC-NC1
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	<0.300	0.300	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	183	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	79.0	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	96.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 2 - DEF @ 4'-8' (H250059-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	1.42	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	1.24	0.500	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	4.68	1.50	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	7.35	3.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	216	50.0	01/09/2025	ND	213	106	200	0.842	
DRO >C10-C28*	14400	50.0	01/09/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	3260	50.0	01/09/2025	ND					
Surrogate: 1-Chlorooctane	145 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	292 \$	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 2 - DEF @ 8'-12' (H250059-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	0.171	0.050	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	0.091	0.050	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	0.456	0.150	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	0.718	0.300	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	35.0	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	3190	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	722	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 2 - DEF @ 12'-16' (H250059-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	2.23	1.00	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	2.61	1.00	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	10.6	3.00	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	15.4	6.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	311	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	3770	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	658	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	147	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 2 - DEF @ 16'-20' (H250059-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/08/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	3.78	0.500	01/08/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	4.98	0.500	01/08/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	19.8	1.50	01/08/2025	ND	6.07	101	6.00	13.8	
Total BTEX	28.6	3.00	01/08/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/08/2025	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	783	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	6310	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	1180	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	194	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 3 - DEF @ 0-4' (H250059-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	<0.050	0.050	01/09/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	<0.150	0.150	01/09/2025	ND	6.07	101	6.00	13.8	
Total BTEX	<0.300	0.300	01/09/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/08/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.4	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	2770	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	761	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	97.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105 9	% 49.1-14	8						

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received:	01/07/2025	Sampling Date:	01/02/2025
Reported:	01/13/2025	Sampling Type:	Soil
Project Name:	AIRSTREAM 603-605	Sampling Condition:	Cool & Intact
Project Number:	19397	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN (32.38642,-103.42057)		

#### Sample ID: SW 3 - DEF @ 4'-8' (H250059-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2025	ND	1.76	88.2	2.00	4.11	
Toluene*	0.132	0.050	01/09/2025	ND	1.81	90.4	2.00	10.1	
Ethylbenzene*	0.160	0.050	01/09/2025	ND	2.01	100	2.00	14.1	
Total Xylenes*	0.648	0.150	01/09/2025	ND	6.07	101	6.00	13.8	
Total BTEX	0.941	0.300	01/09/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	01/08/2025	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29.6	10.0	01/08/2025	ND	213	106	200	0.842	
DRO >C10-C28*	6520	10.0	01/08/2025	ND	192	95.9	200	0.194	
EXT DRO >C28-C36	1510	10.0	01/08/2025	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	139 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 16

Released to Imaging: 5/1/2025 7:55:27 AM

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service, in no event shall C	ing those for negligence and any other ca cardinal be liable for incidental or consequing out of or related to the performance o	ental damages, including	without	t limita	tion, bus	iness ir	terrupt	ions, l	oss of	use, o	loss i	of pro	ofits incu	med by	client, its sub	osidiarie		ec.									
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Page 167 of 191

FORM-006 Revision 1.0 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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FOR LAB USE ONLY					MA	TRIX	-	F	RE	SERV		SAMPLI	NG	1	H	BT									
		OMP.		œ			ł					sol.	1.25											-	
		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER							1	k	MORE &	विते (1	dir's,	2.40	1 ( a.		1.17						-
Lab I.D. Sa	mple I.D.	BOR	TAIN	<b>SROUNDWATE</b>		Test.	Ш		ACID/BASE	CE / COOL	C	CA CO	~												
11.000000		RAE	CON	ROU	SOIL	1	SLUDGE	OTHER:	SID	OTHER	1-	-2.2													
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11 SW3-DE	F@0'-4' F@4'-8'	C	1		1			1	-	X	17	725	12:15	1	X	X			-	1	+				
105W3-De	1 [ 4 4 - 0	1	È		1		-		-	1	14	61-1	(61)	1	A			1		1					
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PLEASE NOTE: Liability and Darnages, Cardinal	Eabling and alighter avaluation remarks for	any dak	n arisi	ing whethe	ar base	d in cor	tract o	r tort	shall	be limited	d to the	e amount pai	d by the client for	r the	1	1	1	1		1					
analyses. All claims including those for negligence	e and any other cause whatsoever shall to idental or consequental damages, includ	be deeme ina withou	d waiv ut limit	red unless lation, busi	made iness i	in writin nterrupti	ig and i ions, lo	receiv ss of a	ied by use, o	Cardinal r loss of	profits i	30 days afte incurred by o	r completion of t dient, its subsidia	ne applica iries,	ble										
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FORM-006 Revision 1.0

Received by OCD: 1/20/2025 3:00:58 PM

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# Appendix E NMOCD Correspondence

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

State of New Mexico Energy Minerals and Natural **Resources** Department

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

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

Incident ID	nAPP2320839776
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party: Permian Resources	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-425-8321
Contact email: montgomery.floyd@permianres.com	Incident # nAPP 2.520839776
Contact mailing address: 300 N. Marienfeld Suite 10000,	
Midland, Tx. 79701	

## **Location of Release Source**

Latitude 32.38641\_

Longitude -103.42056\_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Airstream CTB 2	Site Type: Production Facility
Date Release Discovered: 7/17/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
0	13	228	34E	Lea

Surface Owner: 🛛 State 🗌 Federal 🗌 Tribal 🗌 Private (*Name: 🚂* 

## Nature and Volume of Release

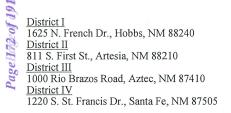
	(s) Released (Select all that apply and attach calculations or specific	
Crude Oil	Volume Released (bbls) 78	Volume Recovered (bbls) 70
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
3	Is the concentration of dissolved chloride in the	🗌 Yes 🖾 No
	produced water >10,000 mg/l?	
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

Corrosion led to release of fluid from production piping. The site will be remediated to state standards. Volumes were justified using the attached soil impact calculation tool.

	~			
orm C-141	State of New		Incident ID	nAPP232089776
age 2	Oil Conservatio	n Division	District RP	
			Facility ID	
orm C-141 age 2			Application	ID
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) The release exceeded 25 back		rty consider this a major rel	ease?
🛛 Yes 🗌 No				
	otice given to the OCD? By ven by Montgomery Floyd vi			
		Initial Respons	se	
The responsible p	party must undertake the following	actions immediately unless the	ey could create a safety hazard tha	tt would result in injury
$\square$ The source of the rele	ease has been stopped.			
	s been secured to protect hu	man health and the envir	conment	
	*			
Released materials ha	we been contained via the us	se of berms or dikes, abs	orbent pads, or other contai	nment devices.
$\square$ All free liquids and re	ecoverable materials have be	en removed and manage	ed appropriately.	
If all the actions described	d above have <u>not</u> been under	taken, explain why:		
Per 19.15.29.8 B. (4) NM	AC the responsible party ma	av commence remediation	on immediately after discov	very of a release. If remediation
has begun, please attach a	a narrative of actions to date at area (see 19.15.29.11(A)(5	e. If remedial efforts ha	we been successfully comp	oleted or if the release occurred
regulations all operators are public health or the environm failed to adequately investigation of the environment of the envit	nent. The acceptance of a C-14 ate and remediate contamination	rtain release notifications a 1 report by the OCD does n n that pose a threat to grour	nd perform corrective actions and relieve the operator of liab ndwater, surface water, human	for releases which may endanger ility should their operations have
Printed Name: Montgome	ery Floyd	Title: Environmental	Manager	
Signature:	ALL		7-27-23	
email: montgomery.floyd	@permianres.com	Telephone: 432-425-	-8321	
OCD Only				
Received by: <u>Shelly We</u>	lls	Date:	7/28/2023	
Signature: email: montgomery.floydd OCD Only Received by: <u>Shelly We</u>				

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State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2329127081		
District RP			
Facility ID			
Application ID			

# **Release Notification**

## **Responsible Party**

Responsible Party: Permian Resources	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-425-8321
Contact email: montgomery.floyd@permianres.com	Incident #
Contact mailing address: 300 N. Marienfeld Suite 10000, Midland, Tx. 79701	

## **Location of Release Source**

Latitude 32.386402\_

Longitude -103.420455 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Airstream CTB 2	Site Type: Production Facility
Date Release Discovered: 10/16/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
Р	13	22S	34E	Lea

Surface Owner: State Federal Tribal Private (Name:\_\_\_\_\_

## Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)				
Crude Oil	Volume Released (bbls) 21	Volume Recovered (bbls) 18		
Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 4		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		

Cause of Release:

Site glass on separator failed resulting in the release of hydrocarbons & produced water to soil. The site will be remediated to state standards. Volumes were justified using the attached soil impact calculation tool.

$111 \circ -171$	State of New Mexico	Incident ID	nAPP2329127081
ge 2	Oil Conservation Division	District RP	
		Facility ID	
rm C-141 ge 2		Application ID	
			τν. Γ
Was this a major release as defined by	If YES, for what reason(s) does the responsible part. The release exceeded 25 barrels volume.	y consider this a major release?	
19.15.29.7(A) NMAC?	The release exceeded 25 barrels volume.		
🛛 Yes 🗌 No			
	otice given to the OCD? By whom? To whom? Whe covided to OCDenviro & Mike Bratcher, by Montgom		
Eman nonneation was pr	ovided to OCDENVITO & Mike Bratcher, by Montgoin	ery Floyd of FR off 10/10/2025.	
	L.'/'. I.D.		
	Initial Response	2	
The responsible	<b>Initial Response</b> party must undertake the following actions immediately unless they		d result in injury
The responsible	*		d result in injury
·	*		d result in injury
The source of the rele	party must undertake the following actions immediately unless they	could create a safety hazard that woul	d result in injury
The source of the rele	party must undertake the following actions immediately unless they ease has been stopped.	could create a safety hazard that woul	

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

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

Printed Name: Montgomery Floyd

Title: Environmental Manager

Date: 10-18-23

email: montgomery.floyd@permianres.com

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

Telephone: 432-425-8321

**OCD Only** 

Signature:

Received by: <u>Shelly Wells</u> Date: <u>10/18/2023</u>

orm C-141

State of New Mexico **Oil Conservation Division** 

Incident ID	nAPP2329127081
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?	(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 <b>not</b> 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

1/20/2025330058PM the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation lan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan Received by OCD: nd methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141 Page 4	State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	nAPP2329127081
regulations all operator public health or the env failed to adequately inv addition, OCD acceptar and/or regulations.	e information given above is true and complete to the rs are required to report and/or file certain release not vironment. The acceptance of a C-141 report by the 0 vestigate and remediate contamination that pose a thrunce nce of a C-141 report does not relieve the operator of	ifications and perform co DCD does not relieve the eat to groundwater, surfa responsibility for compl	prrective actions for relea operator of liability sho ce water, human health iance with any other fed	ases which may endanger ould their operations have or the environment. In deral, state, or local laws
Printed Name:		_ Title:		
Signature:		Date:		
email:		Telephone:		
OCD Only				
Received by:		Date:		

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form C-141 longe 5 longe 5

State of New Mexico Oil Conservation Division

Incident ID	nAPP2329127081
District RP	
Facility ID	
Application ID	

# **Remediation Plan**

Remediation Plan Checklist: Each of the following items mu	st be included in	the plan.		
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation points</li> <li>Estimated volume of material to be remediated</li> </ul>				
<ul> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>				
Deferral Requests Only: Each of the following items must be	e confirmed as pa	urt of any request fo	r deferral of remediation.	
Contamination must be in areas immediately under or arour deconstruction.	nd production equ	ipment where reme	diation could cause a major facility	
Extents of contamination must be fully delineated.				
Contamination does not cause an imminent risk to human h	ealth, the environ	ment, or groundwat	er.	
I hereby certify that the information given above is true and con- rules and regulations all operators are required to report and/or the which may endanger public health or the environment. The acc liability should their operations have failed to adequately invest surface water, human health or the environment. In addition, O responsibility for compliance with any other federal, state, or lo	file certain release eptance of a C-14 igate and remedia CD acceptance o	e notifications and p 41 report by the OC ate contamination th f a C-141 report doe	berform corrective actions for releases D does not relieve the operator of at pose a threat to groundwater,	
Printed Name:	Title:	dina na saita 6	dina pitta di seconda di secondata	
Signature:	Date:			
email:	Telephon	e:		
OCD Only				
Received by:	Date:			
Approved Approved with Attached Condition	s of Approval	Denied	Deferral Approved	
Signature:	Date:			
Received by OCD: 1/20/20253:800:58 PMA				
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Form C-141 Page 6

State of New Mexico Oil Conservation Division

Incident ID	nAPP2329127081
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: E	Each of the following items must be included in the closure report.
A scaled site and sampling diagram as a	described in 19.15.29.11 NMAC
Photographs of the remediated site prior must be notified 2 days prior to liner inspec	or to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office tion)
Laboratory analyses of final sampling (	Note: appropriate ODC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to r may endanger public health or the environme should their operations have failed to adequat human health or the environment. In addition compliance with any other federal, state, or lo restore, reclaim, and re-vegetate the impacted	ove is true and complete to the best of my knowledge and understand that pursuant to OCD rules eport and/or file certain release notifications and perform corrective actions for releases which ent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability tely investigate and remediate contamination that pose a threat to groundwater, surface water, n, OCD acceptance of a C-141 report does not relieve the operator of responsibility for ocal laws and/or regulations. The responsible party acknowledges they must substantially d surface area to the conditions that existed prior to the release or their final land use in ng notification to the OCD when reclamation and re-vegetation are complete.
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
emediate contamination that poses a threat to	e the responsible party of liability should their operations have failed to adequately investigate and groundwater, surface water, human health, or the environment nor does not relieve the responsible ate, or local laws and/or regulations.
Closure Approved by:	Date:
Closure Approved by:	Date: Title:
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NAPP2329127081

## <u>Area #1</u>

3 5	0	6	21.37	
		TOTAL	21.37	
th Depth	Feet & Inche			
5	0	6[=C15*D15	5 <mark>*(</mark> E15+(F15/1	12))*0.1781
	th Depth 51	th Depth Feet & Inche		th Depth Feet & Inches  Calc Volume - BBLS 5 0 6 =C15*D15*(E15+(F15/

## <u>Area #2</u>

	Length	Width	Depth Feet	t & Inches	Calc Volume - BBLS
Dimensions	40	3	0	3	5.34
				TOTAL	5.34

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:	
Permian Resources Operating, LLC	372165	
1001 17th Street, Suite 1800	Action Number:	
Denver, CO 80202	276804	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	
CONDITIONS		

Created By Condition scwells None

PageH79eof 191 CONDITIONS

Action 276804

Condition Date 10/18/2023

SIGN-IN HELP

Searches Operator Data Hearing Fee Application

# **OCD** Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

# [C-141] Deferral Request C-141 (C-141-V-DEFERRAL) Application

Submission Information	on		
Submission ID:	383840	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , AIRSTREAM CTB 2 , nAPP2320839776		
Status:	APPROVED		
Status Date:	09/27/2024		
References (1):	nAPP2320839776		

# Forms Attachments: Volume Calculation, Water Sources, Scaled Site Map, Field Data, Soil Contaminant, Water Depth, Boring Logs, Photographs, Topo Aerial Maps, Lab Data, Proposed Technique, Estimated Volume, Closure Criteria, Proposed Schedule

#### Questions

#### Prerequisites

Incident ID (n#)	nAPP2320839776
Incident Name	NAPP2320839776 AIRSTREAM CTB 2 @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received

#### Location of Release Source

Please answer all the questions in this group.

Site Name	AIRSTREAM CTB 2
Date Release Discovered	07/17/2023
Surface Owner	State

#### Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No

SIGN-IN HELP

	s	Searches	Operator Data	Hearing Fee Application
Nature and Volume of Release				
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the vo	lumes provided should be attached to t	the follow-up C-141 st	ıbmission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Se	parator   Crude Oi	Released: 78 BBL   Rec	overed: 70 BBL   Lost: 8 BBL.
Produced Water Released (bbls) Details	Not answered.			
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.			
Condensate Released (bbls) Details	Not answered.			
Natural Gas Vented (Mcf) Details	Not answered.			
Natural Gas Flared (Mcf) Details	Not answered.			
Other Released Details	Not answered.			

Not answered.

# Nature and Volume of Release (continued)

Are there **additional details** for the questions above (i.e. any answer containing

Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major	From paragraph A. "Major release" determine using:	
release	(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

#### Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	t True
Released materials have been contained via the use of berms or dikes, absorbent	True
pads, or other containment devices	
All free liquids and recoverable materials have been removed and managed	True
appropriately	
If all the actions described above have not been undertaken, explain why	Not answered.
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remedi	iation immediately after discovery of a release. I

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follo If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or f 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 shc 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 do operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Montgomery Floyd
	Title: Environmental Manager
	Email: montgomery.floyd@permianres.com
	Date: 09/16/2024

#### Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Between 1 and 5 (mi.)

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release an	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)

An occupied permanent residence, school, hospital, institution, or church

## Page 182 of 191

SIGN-IN HELP

			Searches	Operator Data	Hearing Fee Applicatio
A subsurface mine		Greater than 5 (mi.)			
An (non-karst) unstable area		Between 1000 (ft.) and $\frac{1}{2}$ (	mi.)		
Categorize the risk of this wel	II / site being in a karst geology	Low			
A 100-year floodplain		Greater than 5 (mi.)			
Did the release impact areas storage site	not on an exploration, development, production, or	No			
Remediation Plan					
Please answer all the questions that a	apply or are indicated. This information must be provided to the a	ppropriate district office no later than 9	0 days after the release	e discovery date.	
Requesting a remediation pla	n approval with this submission	Yes			
Attach a comprehensive report demor	nstrating the lateral and vertical extents of soil contamination ass	ociated with the release have been del	ermined, pursuant to 1	9.15.29.11 NMAC and 19.15.29	9.13 NMAC.
Have the lateral and vertical e	extents of contamination been fully delineated	Yes			
Was this release entirely cont	tained within a lined containment area	No			
Soil Contamination Sampling	: (Provide the highest observable value for each, in m	illigrams per kilograms.)			
Chloride	(EPA 300.0 or SM4500 CI B)	1280			
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	43200			
GRO+DRO	(EPA SW-846 Method 8015M)	37000			
BTEX	(EPA SW-846 Method 8021B or 8260B)	632			
Benzene	(EPA SW-846 Method 8021B or 8260B)	17.1			
Per Subsection B of 19.15.29.11 NMA	AC unless the site characterization report includes completed effo	orts at remediation, the report must incl	ude a proposed remed	iation plan in accordance with 1	9.15.29.12 NMAC, which includes the a
peginning and completing the remedia	ation.				
On what estimated date will the	ne remediation commence	01/09/2024			
On what date will (or did) the final sampling or liner inspection occur		12/01/2024			
On what date will (or was) the remediation complete(d)		12/12/2024			
What is the estimated surface area (in square feet) that will be reclaimed		13000			
What is the estimated volume (in cubic yards) that will be reclaimed		1925			
	e area (in square feet) that will be remediated	13000			
what is the estimated surface	e (in cubic yards) that will be remediated	1615			
	(in ouble failed) that will be formediated				
What is the estimated volume	ments are recognized to be the best guess or calculation at the ti	me of submission and may (be) change	e(d) over time as more	remediation efforts are complet	ed.

#### Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

#### (Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	NDBL RECYCLE. CLOSED [fSL2019032229]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

## Released to Imaging: 5/1/2025 7:55:27 AM

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SIGN-IN HELP

perator of responsibility for compliance with any other federal, state, or local laws and	d/or regulations.			
I hereby agree and sign off to the above statement	Name: Montgomery Flo Title: Environmental Ma Email: montgomery.floy Date: 09/16/2024	nager		
he OCD recognizes that proposed remediation measures may have to be minimally adjusted in accord	dance with the physical realities er	ncountered during remedia	tion. If the responsible party ha	as any need to significantly deviate from
nen it should consult with the division to determine if another remediation plan submission is required.				
Deferral Requests Only				
only answer the questions in this group if seeking a deferral upon approval this submission. Each of the	e following items must be confirme	d as part of any request fo	r deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes			
Have the lateral and vertical extents of contamination been fully delineated	Yes			
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes			
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	To access remaining in-	situ contamination PR	would need to deconstru	ct the entire process equipment a
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	5650			
What is the remaining volume (in cubic yards) that will still need to be remediated if a	a <b>1490</b>			
deferral is granted		upment such as production	tanks, wellheads and pipeline	s where remediation could cause a mai
	ly under or around production equ			
deferral is granted Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate	ly under or around production equ	ations, or when the well or		
deferral is granted Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm	ly under or around production equent is removed during other operation	ations, or when the well or		
deferral is granted Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted	aly under or around production equ nent is removed during other opera Airstream 13 CTB 2 [fA	ations, or when the well or		
deferral is granted ther Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment,	ly under or around production equ tent is removed during other oper- Airstream 13 CTB 2 [fA Not answered. True	tions, or when the well or	facility is plugged or abandone	d, whichever comes first.
deferral is granted er Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment, or groundwater Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effort	ly under or around production equ nent is removed during other opera Airstream 13 CTB 2 [fA Not answered. True ts at remediation, the report must knowledge and understand ealth or the environment. The o groundwater, surface wate	tions, or when the well or PP2220760755] include a proposed remedi that pursuant to OCD e acceptance of a C-12	facility is plugged or abandone ation plan in accordance with rules and regulations all o 41 report by the OCD doe	d, whichever comes first. 19.15.29.12 NMAC, which includes the a operators are required to report a is not relieve the operator of liabil
deferral is granted er Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment, or groundwater er Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor eginning and completing the remediation. hereby certify that the information given above is true and complete to the best of my publications and perform corrective actions for releases which may endanger public h- nave failed to adequately investigate and remediate contamination that pose a threat the aver failed to adequately investigate and remediate contamination that pose a threat the end of the set of th	ly under or around production equ nent is removed during other opera Airstream 13 CTB 2 [fA Not answered. True ts at remediation, the report must knowledge and understand ealth or the environment. The o groundwater, surface wate	tions, or when the well or PP2220760755] include a proposed remedi that pursuant to OCD e acceptance of a C-1- ir, human health or the	facility is plugged or abandone ation plan in accordance with rules and regulations all o 41 report by the OCD doe	d, whichever comes first. 19.15.29.12 NMAC, which includes the e operators are required to report ar is not relieve the operator of liabili
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deferral is granted ter Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment, or groundwater ter Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor eginning and completing the remediation. hereby certify that the information given above is true and complete to the best of my iotifications and perform corrective actions for releases which may endanger public hu- ave failed to adequately investigate and remediate contamination that pose a threat the perator of responsibility for compliance with any other federal, state, or local laws and	ly under or around production equation tis removed during other opera- Airstream 13 CTB 2 [fA Not answered. True ts at remediation, the report must knowledge and understand ealth or the environment. The o groundwater, surface wate d/or regulations. Name: Montgomery Flo	tions, or when the well or PP2220760755] include a proposed remedi that pursuant to OCD e acceptance of a C-14 r, human health or the yd nager	facility is plugged or abandone ation plan in accordance with rules and regulations all o 41 report by the OCD doe	d, whichever comes first. 19.15.29.12 NMAC, which includes the a operators are required to report a is not relieve the operator of liabil
deferral is granted ter Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment, or groundwater ter Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor eginning and completing the remediation. hereby certify that the information given above is true and complete to the best of my iotifications and perform corrective actions for releases which may endanger public hu- ave failed to adequately investigate and remediate contamination that pose a threat the perator of responsibility for compliance with any other federal, state, or local laws and	ly under or around production equation in the is removed during other opera- Airstream 13 CTB 2 [fA Not answered. True ts at remediation, the report must knowledge and understand ealth or the environment. The o groundwater, surface wate t/or regulations. Name: Montgomery Flo Title: Environmental Ma Email: montgomery.floy	tions, or when the well or PP2220760755] include a proposed remedi that pursuant to OCD e acceptance of a C-14 r, human health or the yd nager	facility is plugged or abandone ation plan in accordance with rules and regulations all o 41 report by the OCD doe	d, whichever comes first. 19.15.29.12 NMAC, which includes the e operators are required to report an is not relieve the operator of liabili
deferral is granted ter Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment, or groundwater ter Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor eginning and completing the remediation. hereby certify that the information given above is true and complete to the best of my outifications and perform corrective actions for releases which may endanger public hu- vave failed to adequately investigate and remediate contamination that pose a threat to perator of responsibility for compliance with any other federal, state, or local laws and I hereby agree and sign off to the above statement	ly under or around production equation in the is removed during other opera- Airstream 13 CTB 2 [fA Not answered. True ts at remediation, the report must knowledge and understand ealth or the environment. The o groundwater, surface wate t/or regulations. Name: Montgomery Flo Title: Environmental Ma Email: montgomery.floy	tions, or when the well or PP2220760755] include a proposed remedi that pursuant to OCD e acceptance of a C-14 r, human health or the yd nager	facility is plugged or abandone ation plan in accordance with rules and regulations all o 41 report by the OCD doe	d, whichever comes first. 19.15.29.12 NMAC, which includes the e operators are required to report an is not relieve the operator of liabili
deferral is granted ter Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipm Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment, or groundwater ter Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor eginning and completing the remediation. hereby certify that the information given above is true and complete to the best of my indifications and perform corrective actions for releases which may endanger public he have failed to adequately investigate and remediate contamination that pose a threat the perator of responsibility for compliance with any other federal, state, or local laws and I hereby agree and sign off to the above statement <b>Sampling Event Information</b>	ly under or around production equation int is removed during other opera- Airstream 13 CTB 2 [fA Not answered. True ts at remediation, the report must knowledge and understand ealth or the environment. The o groundwater, surface wate t/or regulations. Name: Montgomery Flo Title: Environmental Ma Email: montgomery.floy Date: 09/16/2024	tions, or when the well or PP2220760755] include a proposed remedi that pursuant to OCD e acceptance of a C-14 r, human health or the yd nager	facility is plugged or abandone ation plan in accordance with rules and regulations all o 41 report by the OCD doe	d, whichever comes first. 19.15.29.12 NMAC, which includes the e operators are required to report an is not relieve the operator of liabili
deferral is granted ter Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediate amediation, restoration and reclamation may be deferred with division written approval until the equipar Enter the facility ID (f#) on which this deferral should be granted Enter the well API (30-) on which this deferral should be granted Contamination does not cause an imminent risk to human health, the environment, or groundwater ter Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed effor eginning and completing the remediation. hereby certify that the information given above is true and complete to the best of my potifications and perform corrective actions for releases which may endanger public he have failed to adequately investigate and remediate contamination that pose a threat the perator of responsibility for compliance with any other federal, state, or local laws and I hereby agree and sign off to the above statement Last sampling notification (C-141N) recorded Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of	ly under or around production equivative is removed during other operatives and the experimental of the experimental of the experimental of the experimental of the environment. The environment is at remediation, the report must whowledge and understand earth or the environment. The o groundwater, surface water for regulations. Name: Montgomery Flo Title: Environmental Ma Email: montgomery.floy Date: 09/16/2024	tions, or when the well or PP2220760755] include a proposed remedi that pursuant to OCD e acceptance of a C-14 r, human health or the yd nager	facility is plugged or abandone ation plan in accordance with rules and regulations all o 41 report by the OCD doe	d, whichever comes first. 19.15.29.12 NMAC, which includes the e operators are required to report an is not relieve the operator of liabili

Requesting a remediation closure approval with this submission

No

SIGN-IN HELP

		Searches	Operator Data	Hearing Fee Application
Comments				
No comments found fo	or this submission.			
Conditions				
Summary:	nvelez (9/27/2024), The remediation plan submitted within this report has been approved discrepancy, the document has formally been approved as a site characterization/reme days (December 26, 2024) to submit its appropriate or final remediation closure report.	ediation plan and will		
Reasons				
No reasons found for t	his submission.			
Go Back				

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

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QUESTIONS

Action 422276

QUESTIONS	

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	422276
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### QUESTIONS

Prerequisites		
Incident ID (n#)	nAPP2320839776	
Incident Name	NAPP2320839776 AIRSTREAM CTB 2 @ 0	
Incident Type	Oil Release	
Incident Status	Deferral Request Approved	
Incident Facility	[fAPP2220760755] Airstream 13 CTB 2	

#### Location of Release Source

Please	answer	all the	questions	in	this group.

Site Name	AIRSTREAM CTB 2
Date Release Discovered	07/17/2023
Surface Owner	State

#### Incident Details

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

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Separator   Crude Oil   Released: 78 BBL   Recovered: 70 BBL   Lost: 8 BBL.	
Produced Water Released (bbls) Details	Not answered.	
Is the concentration of chloride in the produced water >10,000 mg/l	No	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Not answered.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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

QUESTIONS, Page 2

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Action 422276

QUESTIONS (continued)

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	422276
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 09/16/2024

State of New Mexico	

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

QUESTIONS, Page 3

Action 422276

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QUESTIONS (continued)	

Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	422276
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Between 51 and 75 (ft.)
Direct Measurement
No
d the following surface areas:
Greater than 5 (mi.)
Between 1 and 5 (mi.)
Between 1 and 5 (mi.)
Between 1 and 5 (mi.)
Between ½ and 1 (mi.)
Greater than 5 (mi.)
Between 1000 (ft.) and ½ (mi.)
Greater than 5 (mi.)
Between 1000 (ft.) and ½ (mi.)
Low
Greater than 5 (mi.)
Νο

#### Remediation Plan

Please answer all the questions th	at apply or are indicated. This information must be provided to	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	monstrating the lateral and vertical extents of soil contaminatio	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per		illigrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	1500
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	43200
GRO+DRO	(EPA SW-846 Method 8015M)	37000
BTEX	(EPA SW-846 Method 8021B or 8260B)	632
Benzene	(EPA SW-846 Method 8021B or 8260B)	17.1
	IMAC unless the site characterization report includes complete elines for beginning and completing the remediation.	d efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date will the remediation commence		01/09/2024
On what date will (or did) th	ne final sampling or liner inspection occur	01/02/2025
On what date will (or was) the remediation complete(d)		01/02/2025
What is the estimated surface area (in square feet) that will be reclaimed		13000
What is the estimated volume (in cubic yards) that will be reclaimed		1925
What is the estimated surface area (in square feet) that will be remediated		13000
What is the estimated volum	ne (in cubic yards) that will be remediated	1820
These estimated dates and measu	rements are recognized to be the best guess or calculation at th	ne time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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

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QUESTIONS, Page 4

Action 422276

QUESTIONS (continued)		
Operator:	OGRID:	
Permian Resources Operating, LLC	372165	
300 N. Marienfeld St Ste 1000	Action Number:	
Midland, TX 79701	422276	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

#### QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the	
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com

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

Date: 01/20/2025

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

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QUESTIONS, Page 5

Action 422276

QUESTIONS (continued)	
Operator:	OGRID:
Permian Resources Operating, LLC	372165
300 N. Marienfeld St Ste 1000	Action Number:
Midland, TX 79701	422276
	Action Type:

[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each o	f the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	To access remaining in-situ contamination PR would need to deconstruct the entire process equipment and storage tank areas.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	7880
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1260
	iately under or around production equipment such as production tanks, wellheads and pipelines where n may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	Airstream 13 CTB 2 [fAPP2220760755]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed en which includes the anticipated timelines for beginning and completing the remediation.	forts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
to report and/or file certain release notifications and perform corrective actions for releat the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 01/20/2025

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS (continued)

Operator:	OGRID:	
Permian Resources Operating, LLC	372165	
300 N. Marienfeld St Ste 1000	Action Number:	
Midland, TX 79701	422276	
	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	415882
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/06/2025
What was the (estimated) number of samples that were to be gathered	80
What was the sampling surface area in square feet	11000

#### **Remediation Closure Request**

 Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

 Requesting a remediation closure approval with this submission

 No

QUESTIONS, Page 6

Action 422276

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

CONDITIONS

Operator:	OGRID:	
Permian Resources Operating, LLC	372165	
300 N. Marienfeld St Ste 1000	Action Number:	
Midland, TX 79701	422276	
Γ	Action Type:	
	[C-141] Deferral Request C-141 (C-141-v-Deferral)	

со	NDITIC	INS	
Cr By	eated	Condition	Condition Date
n	velez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	5/1/2025

CONDITIONS

Action 422276