Remediation Summary & Variance Request

Mewbourne Oil Company Apollo Chile Verde Water Transfer Line

Eddy County, New Mexico
Unit Letter "J", Section 15, Township 21 South, Range 27 East
Latitude 32.4780968 North, Longitude 104.1706733 West
NMOCD Reference No. nAPP2315849467

Prepared By:

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Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Variance Request* for the release site known as the Apollo Chile Verde Water Transfer Line (henceforth, "Chile Verde"). Details of the release are summarized below:

Latitude: 32.4780968 Longitude: -104.1706733									
	Provid	ded GPS are in WGS84 for	rmat.						
•	hile Verde Water Transfer L	* * *	Pipeline						
Date Release Discovere	ed: 5/20/2023	API # (if appl	icable): N/A						
Unit Letter Sec	ction Township	Range	County						
" J "	15 21S	27E	Eddy						
Surface Owner: Sta	ate X Federal Triba	l Private (N	ame						
	Noture e	 and Volume of	Palaga						
	Nature a	ina volume of	Release						
Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)						
X Produced Water	Volume Released (bbls)	Unknown	Volume Recovered (bbls) 240						
	Is the concentration of diss the produced water > 10,0		X Yes No N/A						
Condensate	Volume Released (bbls)		Volume Recovered (bbls)						
Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)						
Other (describe)	Volume/Weight Released		Volume/Weight Recovered						
Cause of Release: A lay-flat water transf	er line developed a hole.								
	I	nitial Response							
X The source of the r	release has been stopped.								
X The impacted area	has been secured to protect h	uman health and the	environment.						
X Release materials h	nave been contained via the us	se of berms or dikes,	absorbent pad, or other containment devices						

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 51 and 75 (ft.)			
What method was used to determine the depth to groundwater?	Direct Measurement			
Did the release impact groundwater or surface water?	Yes X No			
What is the minimum distance between the closest lateral extents of the release and the following surface areas?				
A continuously flowing watercourse or any other significant watercourse?	Between 1 and 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?	Between 1 and 5 (mi.)			
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1,000 (ft.) and ½ (mi.)			
Any other fresh water well or spring?	Between 1,000 (ft.) and ½ (mi.)			
Incorporated municipal boundaries or a defined municipal fresh water well field?	Between 1 and 5 (mi.)			
A wetland?	Between 1 and 5 (mi.)			
A subsurface mine?	Greater than 5 (mi.)			
A (non-karst) unstable area?	Between 200 and 300 (ft.)			
Categorize the risk of this well/site being in a karst geology.	Low			
A 100-year floodplain?	Between 1 and 5 (mi.)			
Did the release impact areas not on an exploration, development, production or storage site?	X Yes No			

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 Chile Verde release site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on February 28, 2024, an investigative soil boring was drilled nearby to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 55 feet bgs and left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment. In addition, a groundwater gauging event conducted on March 4, 2024, confirmed that the borehole was dry. The location of the investigative soil bore is depicted in Figures 2A, 2B, and 6. A drilling log is provided in Appendix A.

A karst study of the affected area was conducted by a third-party environmental contractor in March and April 2024. According to the *Environmental Karst Study Report* dated May 12, 2024, "no surface karst features exist within the 200-foot (61-meter) zone surrounding the spill delineation boundary provided by the client. No anomalies consistent with air- or water-filled voids were found within the CVFR survey area, indicating the zone beneath the geophysical survey is stable. The lack of surface karst features does not mean the area is not karstified and the study area may still contain buried karst features outside of the areas where the geophysical survey was conducted." The karst study report is provided as Appendix E.

Additional 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 in Figures 1, 2A, 2B, and 6.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the information summarized above, Mewbourne Oil Company requests that the NMOCD Closure Criteria for the Chile Verde release site be revised as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Current Closure Criteria*†	Revised Closure Criteria*†
	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	600	10,000
Datuman 51 and	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	2,500
Between 51 and 75 (ft.)	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	N/A	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)

4.0 INITIAL SITE ASSESSMENT

On June 7, 2023, Etech conducted an initial site assessment. During the site assessment, a series of test trenches (SP 1 through SP 5) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, a series of hand-augered soil bores (NH 1 through NH 5, EH 1, SH 1 through SH 5, and WH 1) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the soil bores/test trenches, soil samples were collected and field-screened for concentrations of chloride utilizing a Hach Quantab ® chloride test kit and/or the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses.

Based on field observations and field test data, a total of 34 delineation soil samples (NH 1 @ Sur, NH 1 @ 1', NH 2 @ Sur, NH 2 @ 1', NH 3 @ Sur, NH 3 @ 1', NH 4 @ Sur, NH 4 @ 1', NH 5 @ Sur, NH 5 @ 1', EH 1 @ Sur, EH 1 @ 1', SH 1 @ Sur, SH 1 @ 1', SH 2 @ Sur, SH 2 @ 1', SH 3 @ Sur, SH 3 @ 1', SH 4 @ Sur, SH 4 @ 1', SH 5 @ Sur, SH 5 @ 1', WH 1 @ Sur, WH 1 @ 1', SP 1 @ Sur, SP 1 @ 10', SP 2 @ Sur, SP 2 @ 8', SP 3 @ Sur, SP 3 @ 8', SP 4 @ Sur, SP 4 @ 4', SP 5 @ Sur, and SP 5 @ 3') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results and field screens, the horizontal extent of impacted soil was adequately defined. The vertical extent of impacted soil was adequately defined in the areas characterized by sample points SP 3 through SP 5 and ranged from approximately two (2) feet bgs in SP5 to seven (7) feet bgs in SP 3. Impacted soil did not extend beyond three (3) feet bgs in the area characterized by sample point SP 4. Additional vertical delineation was required to determine the vertical extent of chloride contamination in the areas characterized by sample points SP 1 and SP 2.

On June 19, 2023, test trenches SP 1 and SP 2 were re-entered and further advanced in an effort to determine the vertical extent of impacted soil. The test trenches were advanced to depths of 11 feet and nine (9) feet bgs, respectively, and two (2) additional delineation soil samples (SP 1 @ 11' and SP 2 @ 9') were collected and submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated that the chloride concentration in each soil sample exceeded the NMOCD Closure Criterion in effect at the time and additional vertical delineation was required.

On June 20, 2023, test trenches SP 1 and SP 2 were re-entered and further advanced in an effort to determine the vertical extent of impacted soil. The test trenches were advanced to depths of 11.5 and 9.5 feet bgs, respectively, and two (2) additional delineation soil samples (SP 1 @ 11.5' and SP 2 @ 9.5') were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples, and the vertical extent of impacted soil was adequately defined.

The locations of the test trenches and hand-augered soil bores are depicted in Figure 3, "Delineaton Sample Location Map".

^{**} Environmental Protection Agency

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

5.0 REMEDIATION ACTIVITIES SUMMARY

Requesting a remediation plan approval with this submission?	X Yes No
Have the lateral and vertical extents of contamination been fully delineated?	X Yes No
Was this release entirely contained within a lined containment area?	Yes X No
On what estimated date will (or did) the remediation commence?	7/5/2023
On what date will (or did) the final sampling or liner inspection occur?	8/15/2024
On what date will (or was) the remediation complete(d)?	8/15/2024
What is the total surface area (sq. ft.) in need of or that will eventually be reclaimed?	68,806
What is the total volume (cy) in need of or that will eventually be reclaimed?	10,193
What was the total surface area (sq. ft.) that has or will be remediated?	68,806
What was the total volume (cy) that has or will be remediated?	13,048
This remediation utilized the following processes to remediate/reduce contaminants: (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	X Yes No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Yes X No
(In Situ) Soil Vapor Extraction	Yes X No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Yes X No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Yes X No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Yes X No
Ground Water Abatement pursuant to 19.15.30 NMAC	Yes X No
Other (Non-listed remedial process)	Yes X No
Which OCD approved facility was or will be used for off-site disposal?	R360 Halfway Facility
NMOCD Disposal Facility ID?	fEEM0112334510
Summarize any additional remediation activities not included by answers above.	See below

On July 5, 2023, remediation activities commenced at the Chile Verde release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the requested NMOCD Closure Criteria and/or NMOCD Reclamation Standards has been excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal extent of impacted soil and to guide the excavation. The sidewalls of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. The entire affected area has been excavated vertically to a total depth of approximately four (4) feet bgs. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events conducted to date is provided below:

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	51,200	SP 1 @ Surf	6/7/2023	0	Excavated
TPH	241	SP 2 @ Surf	6/7/2023	0	Excavated
GRO+DRO	210	SP 2 @ Surf	6/7/2023	0	Excavated
BTEX	<0.300	All submitted soil samples	6/7, 6/19, 6/20, 7/7, 7/10, 7/13, 7/17, 7/20, 7/21, 7/25, 7/27, 7/28 & 8/17/23	0 - 11.5	In-Situ & Excavated
Benzene	<0.050	All submitted soil samples	6/7, 6/19, 6/20, 7/7, 7/10, 7/13, 7/17, 7/20, 7/21, 7/25, 7/27, 7/28 & 8/17/23	0 - 11.5	In-Situ & Excavated

Please reference Table 1 for additional information.

On July 7, 2023, Etech collected 34 confirmation soil samples (NW1 through NW16, EW1, EW2, EW3, and SW1 through SW15) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 10, 2023, Etech collected 19 confirmation soil samples (NW17 through NW25 and SW16 through SW25) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 13, 2023, Etech collected eight (8) confirmation soil samples (NW 26, NW 27, NW 28, EW 4, SW 26, SW 27, WW 1, and WW 2) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 17, 2023, Etech collected 20 confirmation soil samples (NW 29 through NW 33, EW 5 through EW 8, SW 28 through SW 34, and WW 3 through WW 6) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 20, 2023, Etech collected 15 confirmation soil samples (NW 34 through NW 40, EW 9, EW 10, EW 11, SW 35, SW 36, SW 37, SW 39, and WW 7) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 21, 2023, Etech collected six (6) confirmation soil samples (NW 41, NW 42, SW 38, WW 8, WW 9, and WW 10) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 25, 2023, Etech collected 10 confirmation soil samples (NW 43, NW 44, NW 45, SW 40, SW 41, SW 42, and WW 11 through WW 14) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 27, 2023, Etech collected 14 confirmation soil samples (NW 46 through NW 51, EW 12, SW 43 through SW 48, and WW 15) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples, with the exception of sample EW 12, which exceeded the NMOCD Reclamation Standard for chloride. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by soil sample EW 12.

On July 28, 2023, Etech collected seven (7) confirmation soil samples (NW 52, EW 13, EW 14, SW 49, SW 50, WW 16, and WW 17) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

On July 31, 2023, based on laboratory analytical results, field observations, and in-situ chloride migration modeling, Mewbourne Oil Company submitted a *Variance Request* to the NMOCD requesting approval to install a 20-mil, string-

reinforced liner on the floor of the entire excavation/affected area atop impacted soil affected above the NMOCD Closure Criteria. The request was subsequently denied by the NMOCD on January 26, 2024, on the basis that "OCD will no longer approve liner installations for contaminant mitigation."

On August 1, 2023, Etech advanced four (4) test trenches (TT 1 through TT 4) within the release margins in an effort to further investigate the vertical extent of impacted soil. During the advancement of the test trenches, soil samples were collected at increments of two (2) feet and field-screened for concentrations of chloride utilizing a chloride test kit and/or the presence of VOCs utilizing olfactory/visual senses. Based on field test observations and field test data, a total of 14 delineation soil samples (TT 1 @ 4 through TT 1 @ 10, TT 2 @ 4 through TT 2 @ 10, TT 3 @ 4 through TT 3 @ 12, and TT 4 @ 4) were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and ranged from approximately four (4) feet bgs in trench TT 4 to approximately 12 feet bgs in trench TT 3.

On August 7, 2023, Etech collected one (1) confirmation soil sample (EW 12 B) from the sidewall of the excavated area. The soil sample was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated that the chloride concentration was below the NMOCD Closure Criterion and NMOCD Reclamation Standard.

On August 17, 2023, Etech collected 20 confirmation soil samples (FT 1 @ 4 through FT 20 @ 4) from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples. Chloride concentrations in soil samples FT 1 @ 4, FT 3 @ 4, FT 5 @ 4, FT 6 @ 4, FT 7 @ 4, FT 10 @ 4, FT 11 @ 4, and FT 14 @ 4 through FT 17 @ 4 exceeded the NMOCD Closure Criterion.

On August 22, 2023, Etech collected one (1) confirmation soil sample (EW 12 B) from the sidewall of the excavated area. The soil sample was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated that the chloride concentration was below the NMOCD Closure Criterion but exceeded the NMOCD Reclamation Standard. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by soil sample EW 12 B.

On August 22, 2023, test trenches SP 1 and SP 2 were re-entered and resampled in an effort to confirm that vertical delineation of the affected area had been achieved. Two (2) additional delineation soil samples (SP 1 @ 11.5' and SP 2 @ 9.5') were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria in each of the submitted soil samples, and the vertical extent of impacted soil was adequately defined.

On August 30, 2023, Etech collected one (1) confirmation soil sample (EW 12 C) from the sidewall of the excavated area. The soil sample was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated that the chloride concentration was below the NMOCD Closure Criterion and NMOCD Reclamation Standard.

Excavation soil sample locations are depicted in Figures 4A – 4C. Soil chemistry data is summarized in Table 1. Field data and a soil profile log are provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix F.

To date, Etech has transported approximately 13,048 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal.

6.0 VARIANCE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	Yes X No
Requesting a remediation closure approval with this submission?	Yes X No
Have the lateral and vertical extents of contamination been fully delineated?	X Yes No
Was this release entirely contained within a lined containment area?	Yes X No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	Yes X No
What was the total surface area (sq. ft.) remediated?	68,806
What was the total volume (cy) remediated?	13,048

A variance is requested for an alternative sampling plan comprised of five-point composite confirmation samples collected from the floor of the excavated area at intervals representing no more than 400 square feet. Mewbourne Oil Company believes that a relaxation of sampling frequency is permissible given the size and nature of the release, the depth to groundwater, the lack of variability in surface topography, and the relatively shallow depths of contaminant intrusion.

Based on the size of the affected area (approximately 68,806 square feet), a total of approximately 172 composite soil samples will be collected from the floor of the excavated area under the proposed alternative sampling plan, as opposed to approximately 344 samples under a standard 200-square-foot plan. Figures 5A and 5B provide a side-by-side comparison of the 200-square-foot and 400-square-foot sampling plans. The maps illustrate that, while there are fewer total composite samples in the 400-square-foot plan, there is a nominal difference between the spatial coverage of the plans, and both plans are equally representative of the affected area, with minimal gaps between each sampling section/zone. Since each individual composite sample will incorporate soil from five (5) spots within a 400-square-foot zone, this effectively equates to a total of approximately 860 sample points, which decreases the likelihood that any hotspots will be missed. Furthermore, the composite samples will include wet and/or visibly stained areas, from which additional discrete samples will also be collected, as necessary.

Based on the information summarized above, Mewbourne Oil Company affirms that the proposed 400-square-foot sampling plan provides an equal protection of fresh water, public health, and the environment as the standard 200-square-foot plan, pursuant to Section 19.15.29.14 A.(2) NMAC.

7.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	Yes X No
Requesting a reclamation approval with this submission?	Yes X No
Requesting a restoration complete approval with this submission?	Yes X No
What was the total surface area (sq. ft.) reclaimed?	0 (To be completed)
What was the total volume (cy) reclaimed?	0 (To be completed)

Upon receipt of all confirmation soil sample results, areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected areas will be compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads, pipeline rights-of-way, and/or lease roads will be revegetated with an agency and/or landowner-

approved seed mixture certified to be free of noxious weeds at a time conducive to germination. The seed will be installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

Upon completion of remediation and reclamation activities, a *Remediation Summary & Soil Closure Request* will be prepared detailing field activities and laboratory analytical results from confirmation soil samples.

8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Variance 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 Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

9.0 DISTRIBUTION

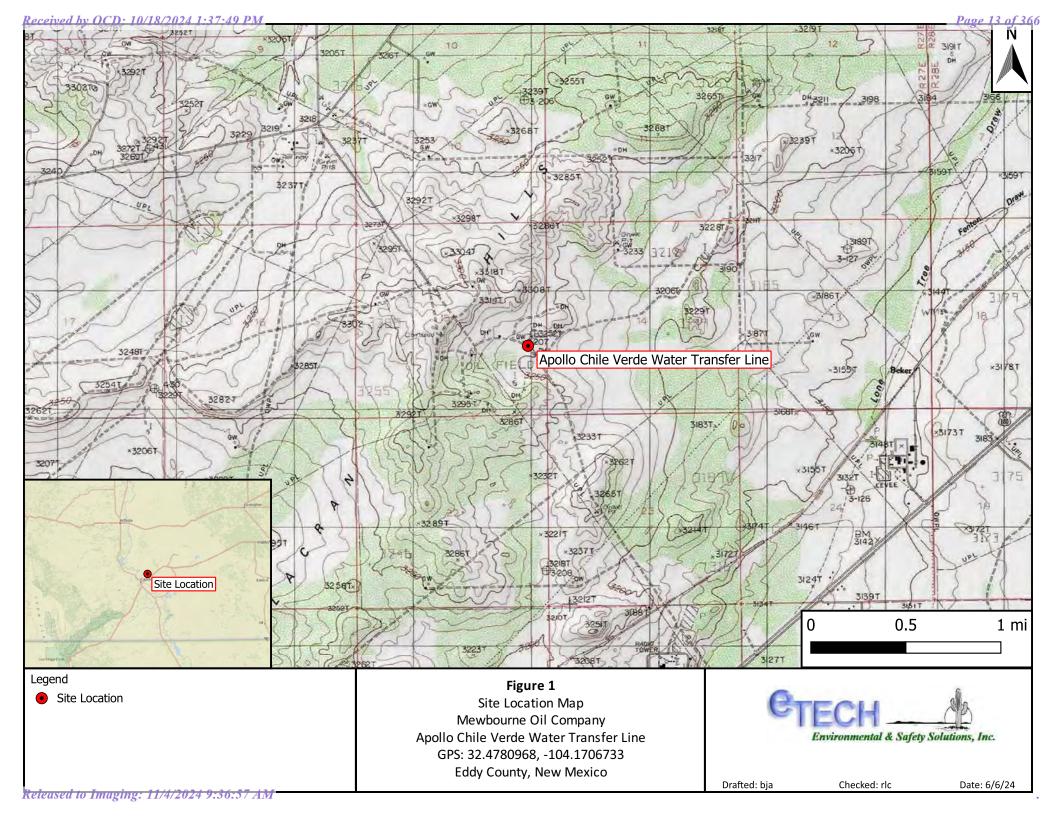
Mewbourne Oil Company 4801 Business Park Blvd. Hobbs, NM 88240

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

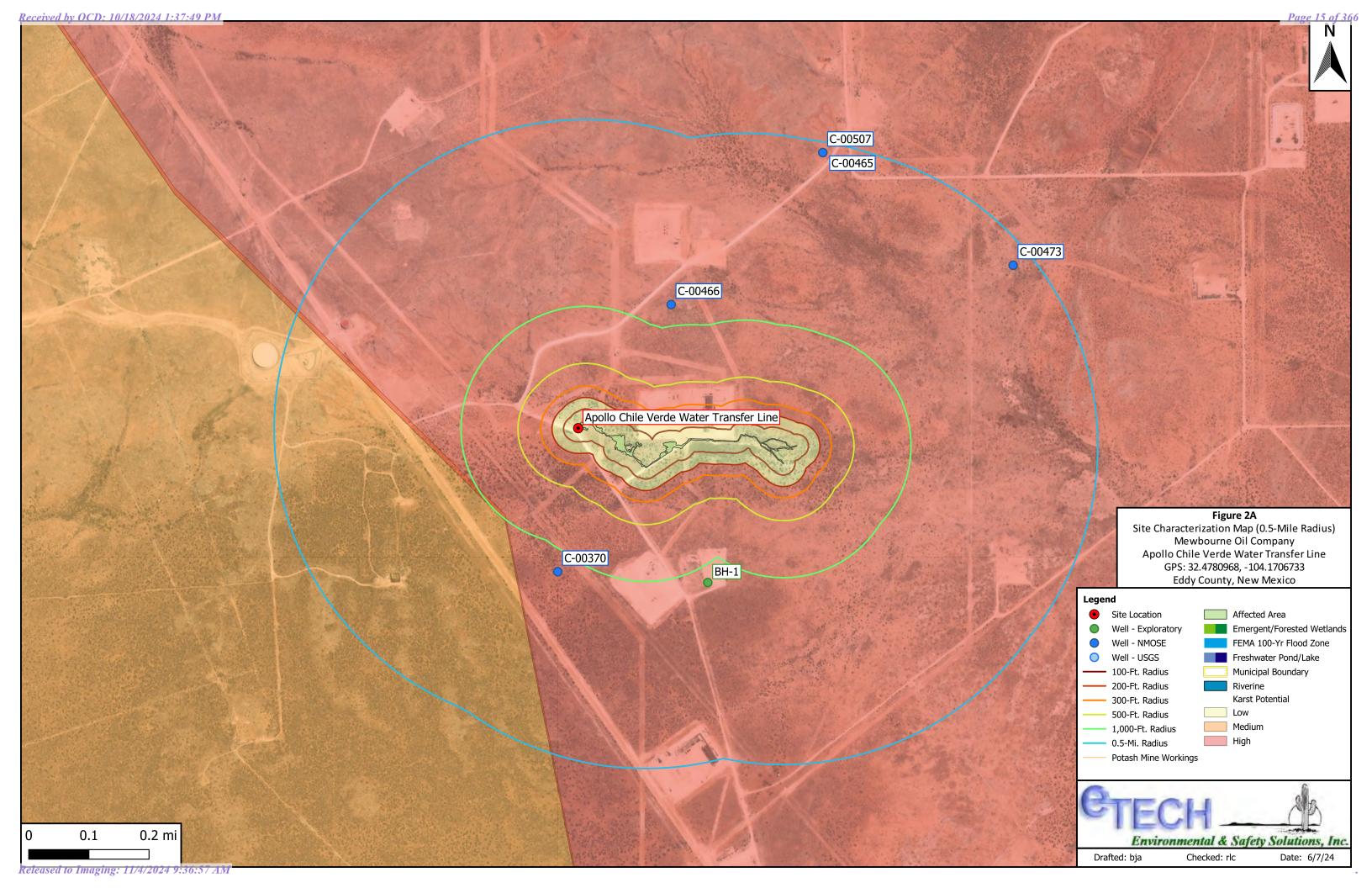
United States Department of the Interior Bureau of Land Management 620 E. Greene Street Carlsbad, NM 88220

(Electronic Submission)

Figure 1 Site Location Map



Figures 2A & 2B Site Characterization Maps



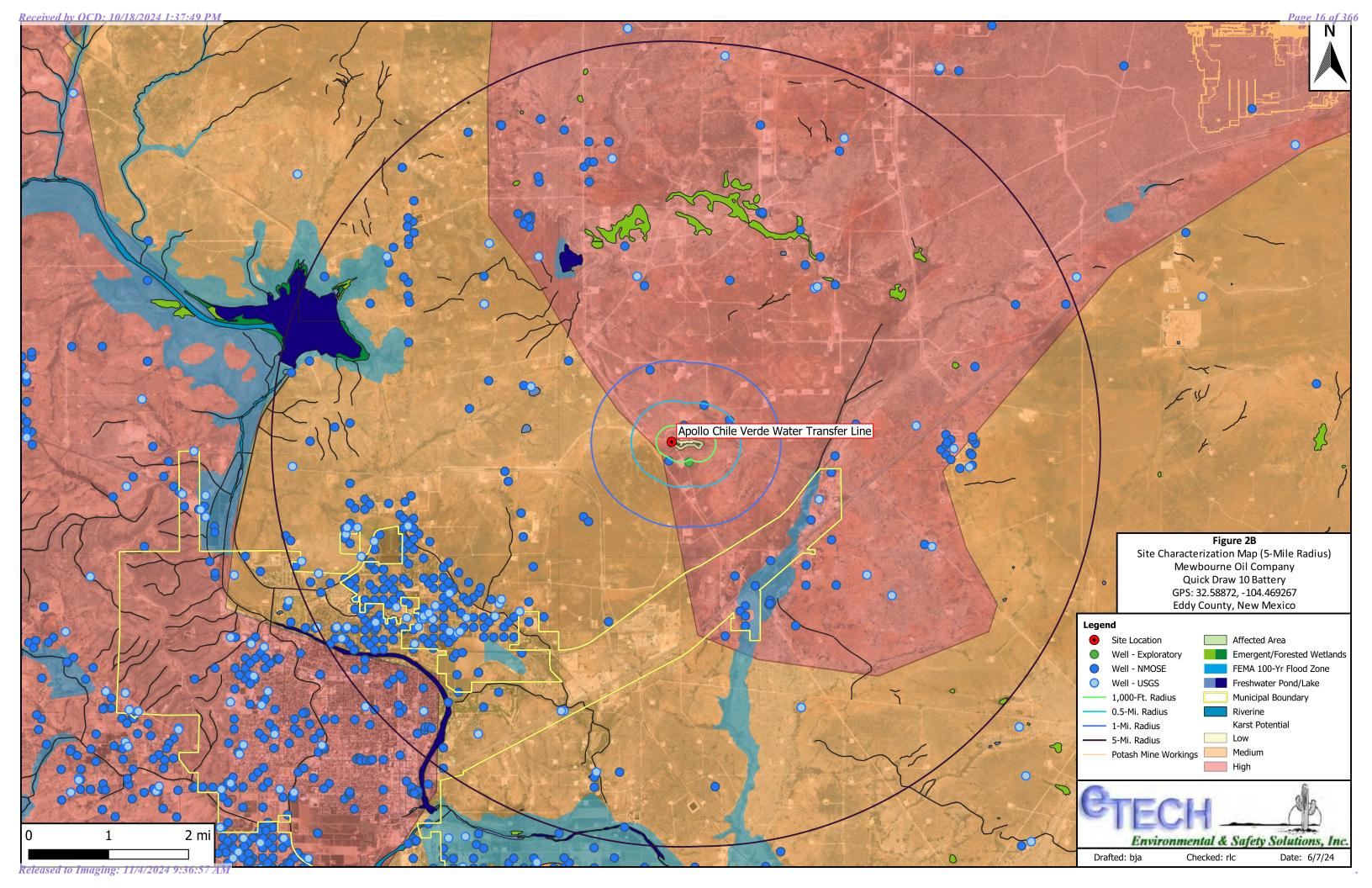
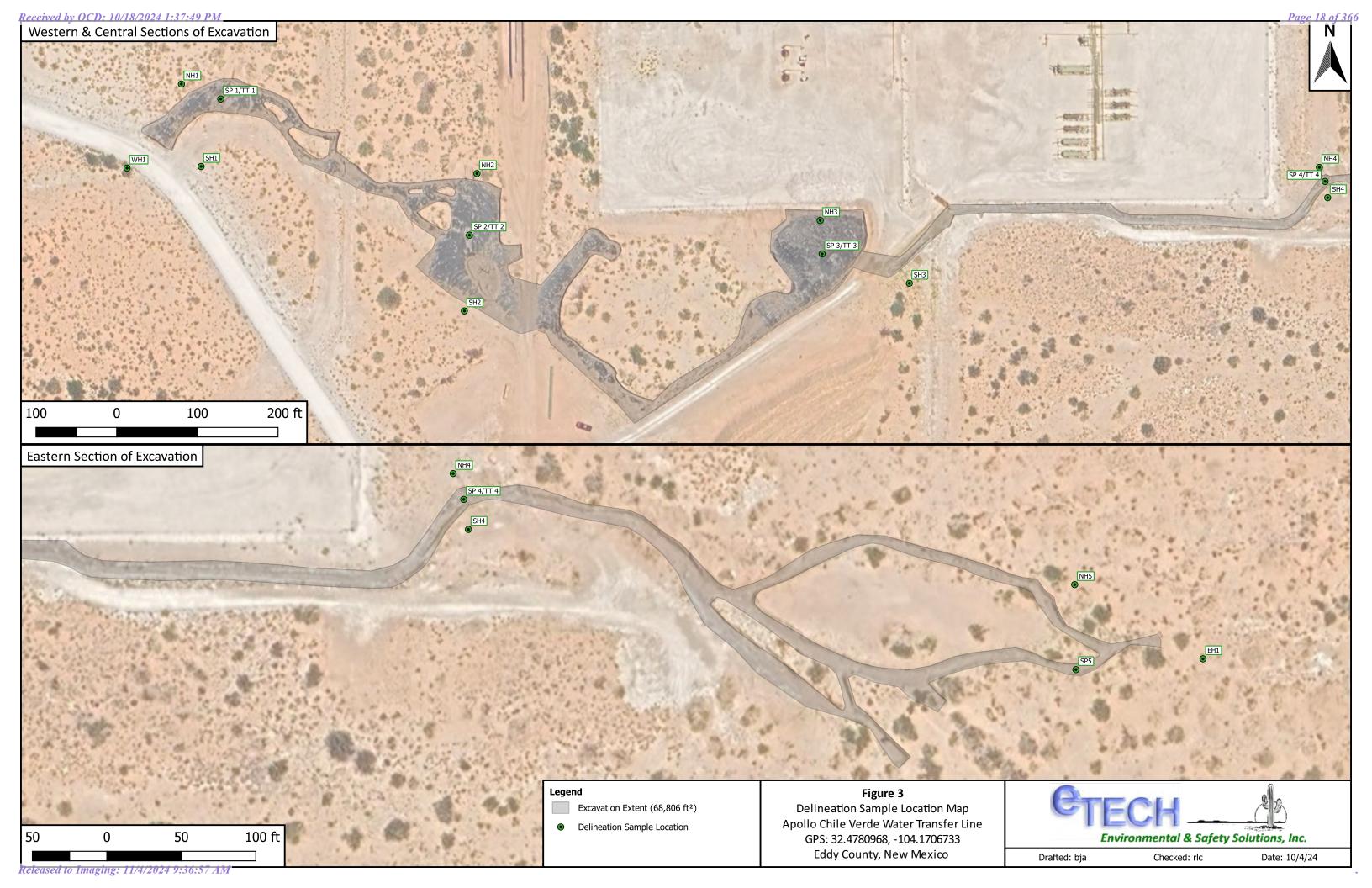
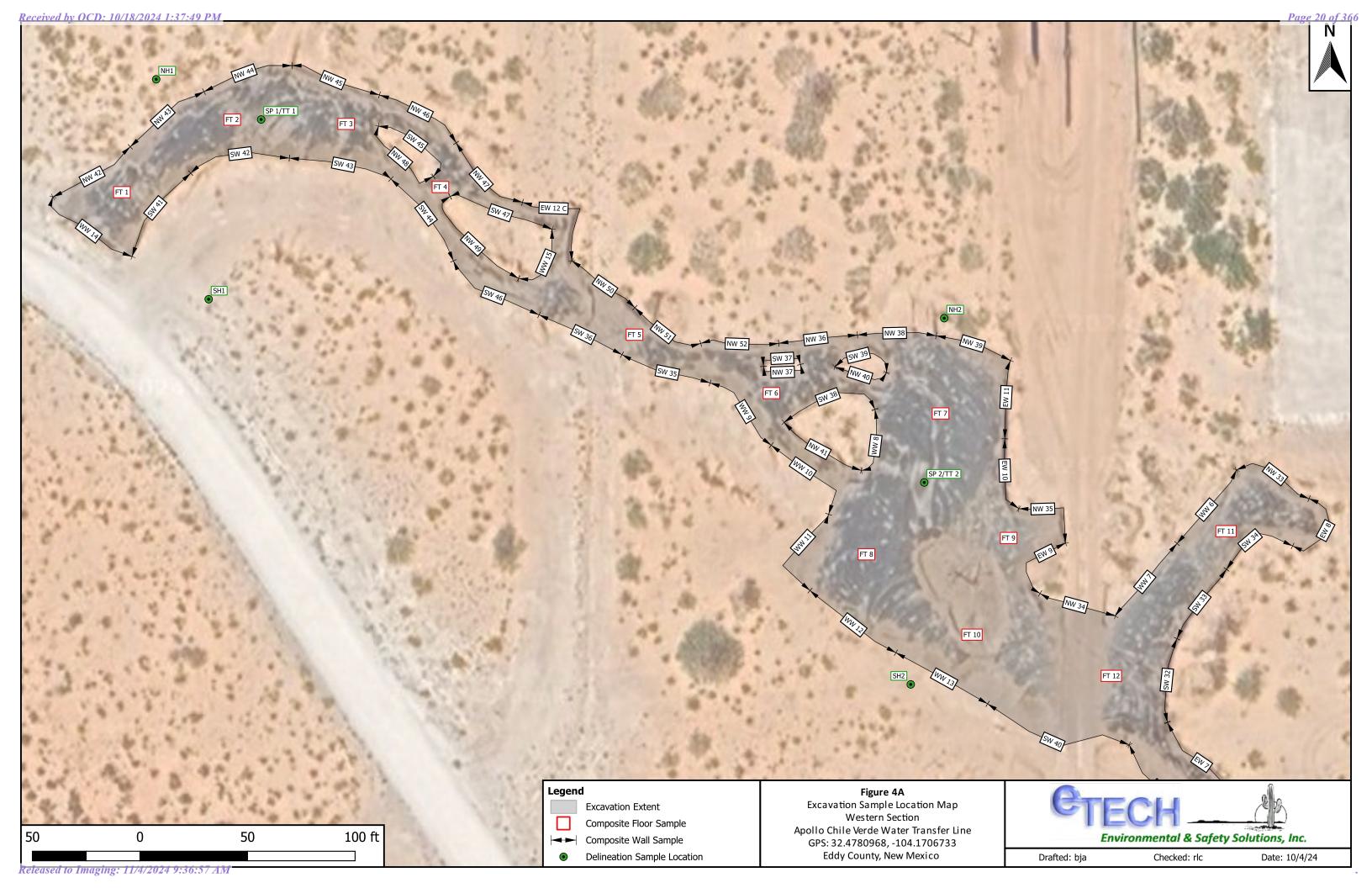
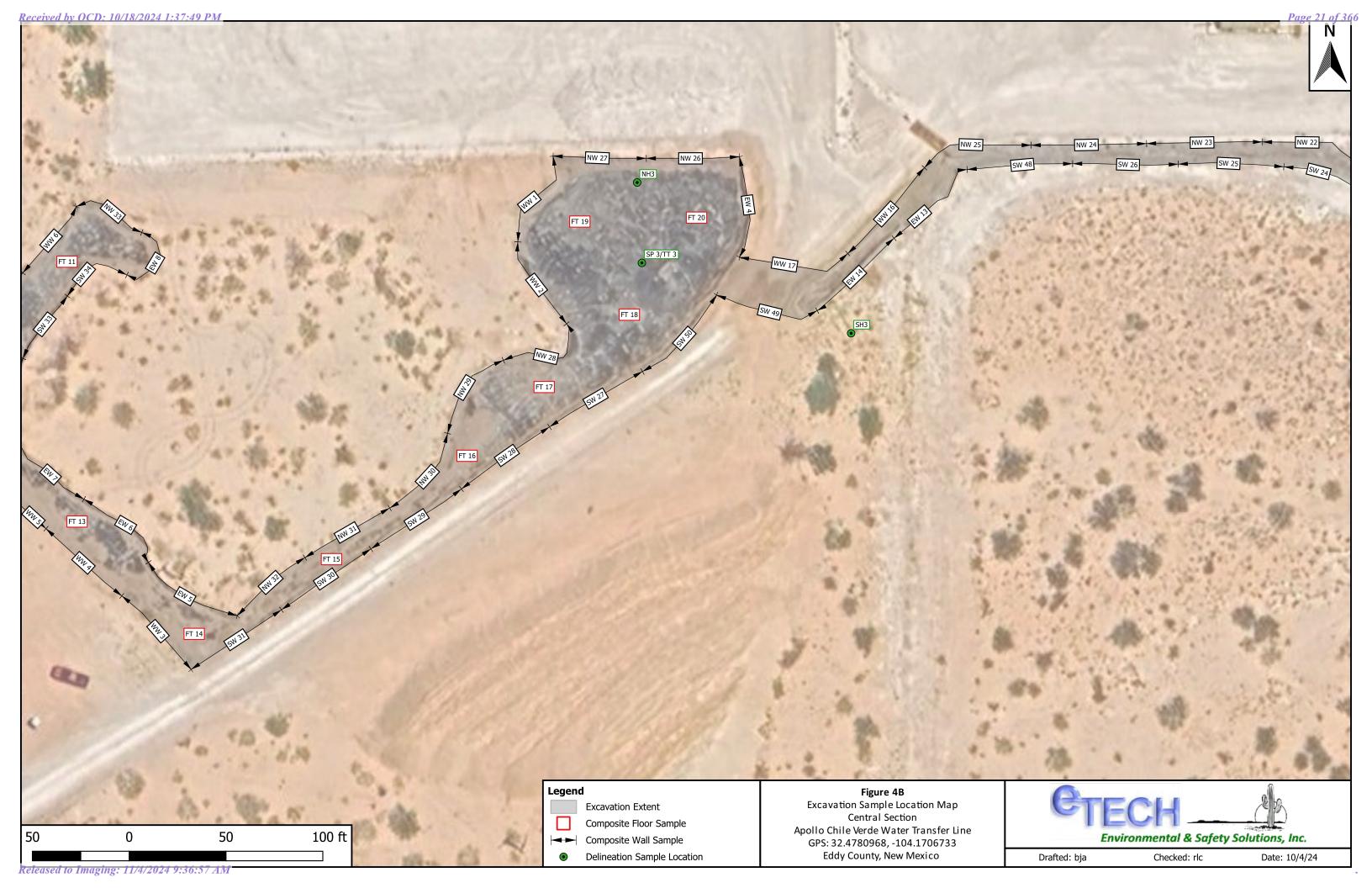


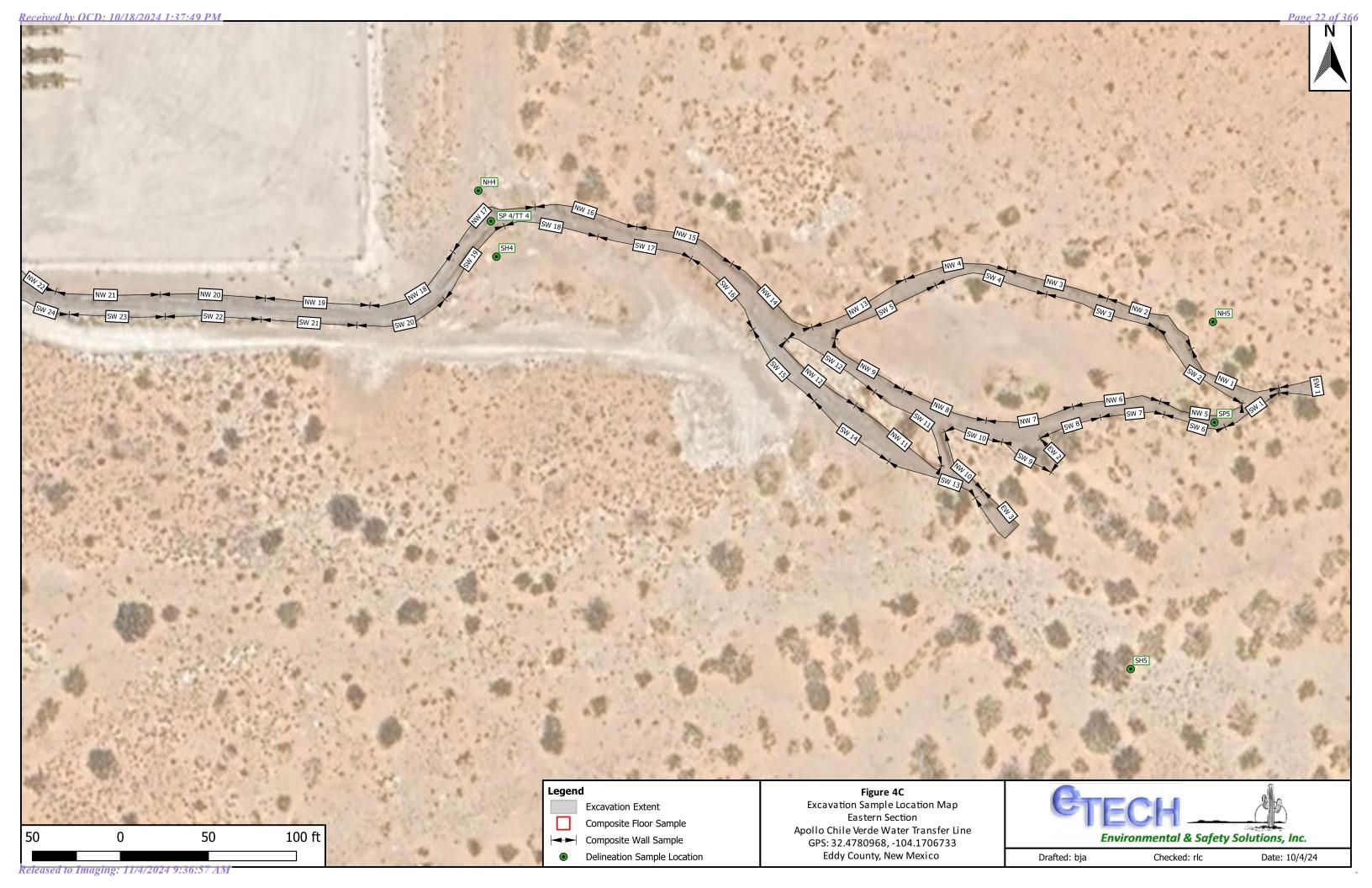
Figure 3 Delineation Sample Location Map



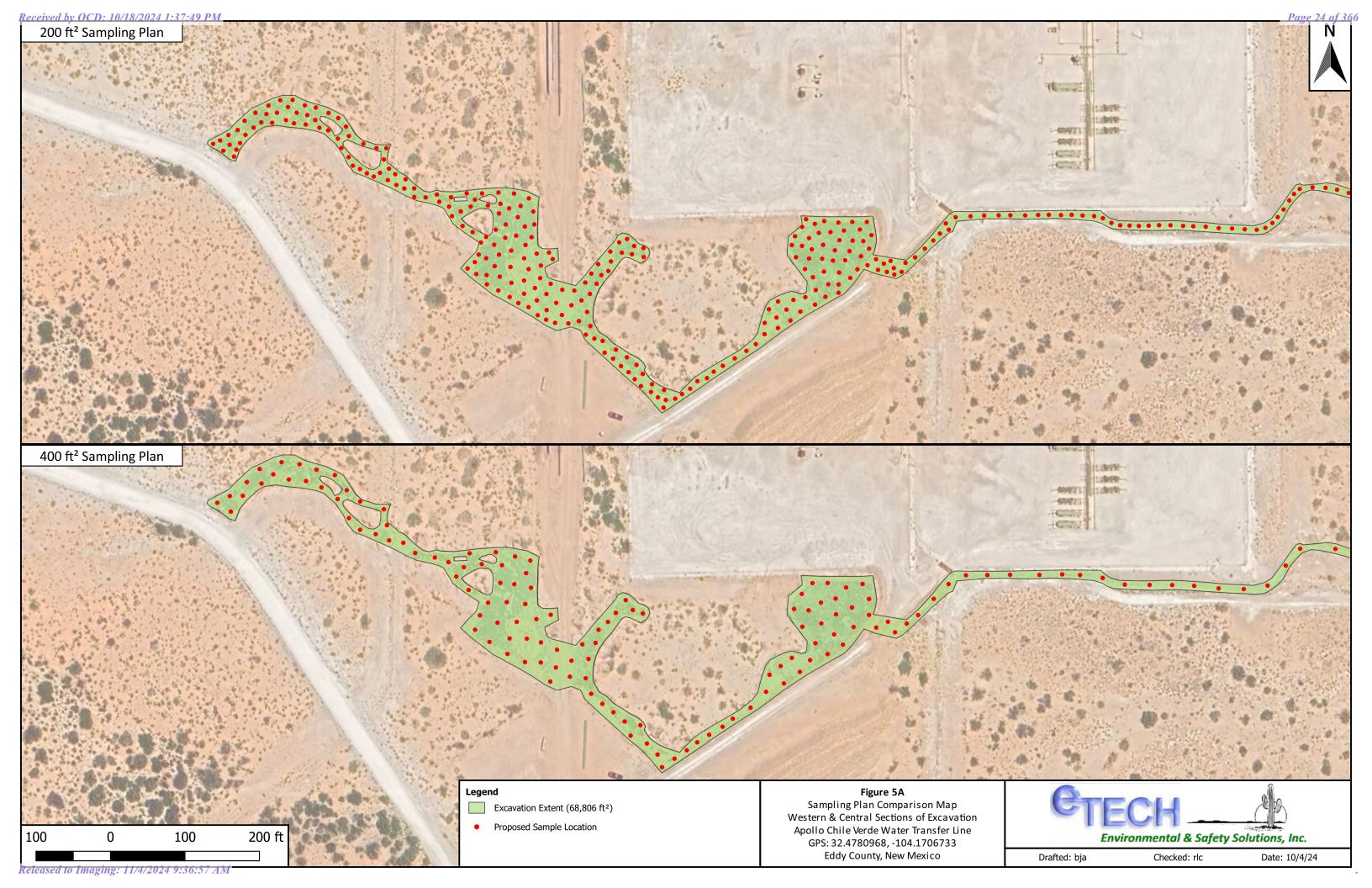
Figures 4A – 4C Excavation Sample Location Maps







Figures 5A & 5B Sampling Plan Comparison Maps



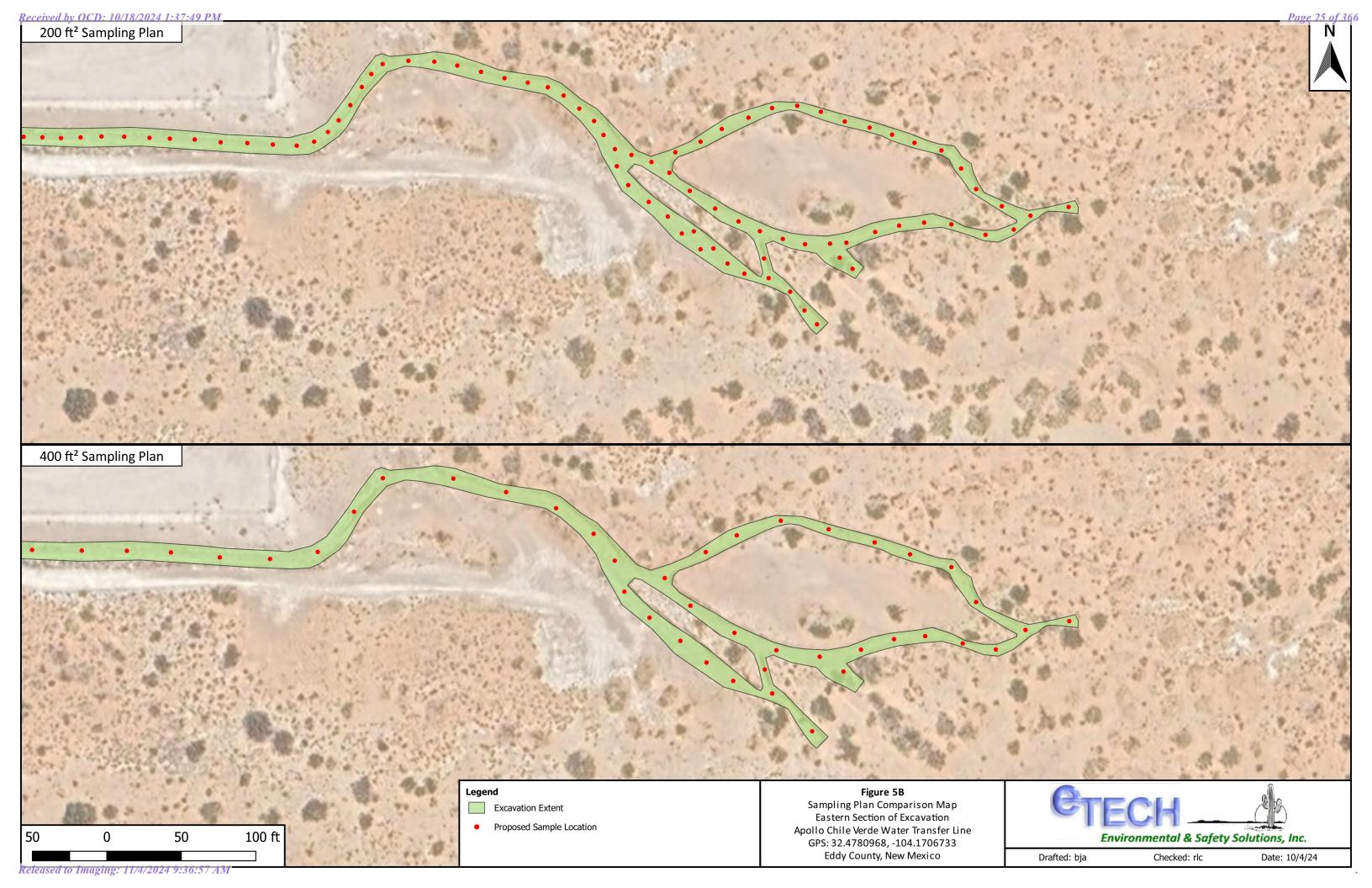


Table 1 Concentrations of BTEX, TPH & Chloride in Soil

					Table	1					
			Concent				loride in S	oil			
					ourne Oil	- '	•				
			_		Verde Wa						
272	IOCD CL.	. C			Ref. #: nA		ı		I		
	IOCD Closure CD Reclamati		and .	10	50	N/A	N/A	1,000	N/A	2,500	10,000
NWIO	CD Recialilau	on Standa	ira	10 CW 944	50 5 8021B	N/A	N/A	N/A 846 8015M	N/A	100	600 4500 Cl
		Donath		5 W 040	0 0021D	~-~		GRO +			4500 CI
Sample ID	Date	Depth (Feet)	Soil Status	Benzene	BTEX	GRO C ₆ -C ₁₀	DRO C ₁₀ -C ₂₈	DRO	ORO C ₂₈ -C ₃₆	TPH C ₆ -C ₃₆	Chloride
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	C ₆ -C ₂₈ (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
				I	Delineation S	amples		(HIg/Kg)			
NH 1 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 1 @ 1	6/7/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 2 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 2 @ 1	6/7/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 3 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 3 @ 1	6/7/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 4 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 4 @ 1	6/7/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 5 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 5 @ 1	6/7/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EH 1 @ Surf	6/7/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH 1 @ 1	6/7/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH 1 @ Surf	6/7/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH 1 @ 1	6/7/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH 2 @ Surf	6/7/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH 2 @ 1 SH 3 @ Surf	6/7/2023	0	In-Situ In-Situ	<0.050	<0.300	<10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	<16.0 16.0
SH 3 @ 1	6/7/2023	1	In-Situ In-Situ	< 0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH 4 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH 4 @ 1	6/7/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH 5 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SH 5 @ 1	6/7/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH 1 @ Surf	6/7/2023	0	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WH 1 @ 1	6/7/2023	1	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP 1 @ Surf	6/7/2023	0	Excavated	< 0.050	< 0.300	<10.0	10.1	10.1	<10.0	10.1	51,200
SP 1 @ 10	6/7/2023	10	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
SP 1 @ 11'	6/19/2023	11	In-Situ	-	-	-	-	-	-	-	880
SP 1 @ 11.5'	6/20/2023	11.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 1 @ 11.5	8/22/2023	11.5	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
SP 2 @ Surf	6/7/2023	0	Excavated	< 0.050	< 0.300	<10.0	210	210	31.1	241	26,000
SP 2 @ 8	6/7/2023	8	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
SP 2 @ 9'	6/19/2023	9	In-Situ	-	-	-	-	-	-	-	992
SP 2 @ 9.5'	6/20/2023	9.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SP 2 @ 9.5	8/22/2023	9.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SP 3 @ Surf	6/7/2023	0	Excavated	<0.050	<0.300	<10.0	14.5	14.5	<10.0	14.5	27,200
SP 3 @ 8 SP 4 @ Surf	6/7/2023	8	In-Situ Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SP 4 @ Suri	6/7/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	22,000 48.0
SP 4 @ 4 SP 5 @ Surf	6/7/2023	0	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
SP 5 @ 3	6/7/2023	3	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
TT 1 @ 4	8/1/2023	4	In-Situ	-	-	-	-	-	-	-	9,300
TT 1 @ 6	8/1/2023	6	In-Situ	-	-	-	_	-	_	-	7,460
TT 1 @ 8	8/1/2023	8	In-Situ	_	-	-	-	-	-	-	3,520
						-					

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Released to Imaging: 11/4/2024 9:36:57 AM

NW 30 7/17/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 96.0 NW 31 7/17/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 64.0						Table	1					
No. Property Pro				Concen	trations of	BTEX, T	PH & Ch	loride in S	oil			
Note					Mewb	ourne Oil	Company	y				
No. No.				-								
Name	N	MOCD Closure	Criteria		ı				1.000	N/A	2,500	10,000
Sample Date Date Peth Sali State	NMO	CD Reclamati	on Standa	ırd								
Nample December Soli States Renumber Imple Right Renumber Right Righ					SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Tell 10		.	Depth	a na			GRO	DRO		ORO	ТРН	
TT1 @ 10	Sample ID	Date	(Feet)	Son Status					_			
TT 1					(mg/kg)	(IIIg/kg)	(mg/kg)	(mg/kg)		(mg/kg)	(mg/kg)	(IIIg/Kg)
TT 2 @ 6	TT 1 @ 10	8/1/2023	10	In-Situ	-	-	-	-		-	-	528
TT 2 @ 8	TT 2 @ 4	8/1/2023	4	In-Situ	-	-	-	-	-	-	-	11,700
TT 2 @ 10	TT 2 @ 6	8/1/2023	6	In-Situ	-	-	-	-	-	-	-	9,600
TT 3 @ 4	TT 2 @ 8	8/1/2023	8	In-Situ	-	-	-	-	1	-	-	1,660
TT 3 @ 6	TT 2 @ 10	8/1/2023	10	In-Situ	-	-	-	1	1	-	-	64.0
TT 3 @ 8	TT 3 @ 4	8/1/2023	4	In-Situ	-	-	-	-	-	-	-	18,800
TT 3 @ 10	TT 3 @ 6	8/1/2023	6	In-Situ	-	-	-	-	-	-	-	3,040
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TT 3 @ 8	8/1/2023	8		-	-	-	-	-	-	-	3,600
TT 4 @ 4	TT 3 @ 10	8/1/2023	10	In-Situ	-	-	-	-	-	-	-	4,200
NW 1	TT 3 @ 12	8/1/2023	12	In-Situ	-	-	-	-	-	-	-	192
NW 1	TT 4 @ 4	8/1/2023	4	In-Situ	-	-	-	-	-	-	-	80.0
NW 2		1		1						1	T	Ī
NW 3												
NW 4			0-4									
NW 5												
NW 6		+										
NW 7 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 64.0 NW 8 7/7/2023 0-4 In-Situ <0.050												
NW 8 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 128 NW 9 7/7/2023 0-4 In-Situ <0.050		+										
NW 9 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 64.0 NW 10 7/7/2023 0-4 In-Situ <0.050		+										
NW 10 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 48.0 NW 11 7/7/2023 0-4 In-Situ <0.050		+	_									
NW 11		+	_									
NW 12 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 112 NW 13 7/7/2023 0-4 In-Situ <0.050		+	_									
NW 13 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 144 NW 14 7/7/2023 0-4 In-Situ <0.050												
NW 14 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 48.0 NW 15 7/7/2023 0-4 In-Situ <0.050												
NW 15 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 80.0 NW 16 7/7/2023 0-4 In-Situ <0.050												
NW 16 7/7/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 <16.0 NW 17 7/10/2023 0-4 In-Situ <0.050		_										
NW 17 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 <16.0 NW 18 7/10/2023 0-4 In-Situ <0.050												
NW 18 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 192 NW 19 7/10/2023 0-4 In-Situ <0.050												
NW 19 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 64.0 NW 20 7/10/2023 0-4 In-Situ <0.050												
NW 20 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 32.0 NW 21 7/10/2023 0-4 In-Situ <0.050												
NW 21 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 16.0 NW 22 7/10/2023 0-4 In-Situ <0.050												
NW 22 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 48.0 NW 23 7/10/2023 0-4 In-Situ <0.050												
NW 23 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 176 NW 24 7/10/2023 0-4 In-Situ <0.050												
NW 24 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 288 NW 25 7/10/2023 0-4 In-Situ <0.050												
NW 25 7/10/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 <16.0 NW 26 7/13/2023 0-4 In-Situ <0.050												
NW 26 7/13/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 112 NW 27 7/13/2023 0-4 In-Situ <0.050												
NW 27 7/13/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 128 NW 28 7/13/2023 0-4 In-Situ <0.050												
NW 28 7/13/2023 0-4 In-Situ <0.050 <0.300 <10.0 <20.0 <10.0 <30.0 160 NW 29 7/17/2023 0-4 In-Situ <0.050												
NW 29 7/17/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 48.0 NW 30 7/17/2023 0-4 In-Situ <0.050												
NW 30 7/17/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 96.0 NW 31 7/17/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 64.0	NW 29											
NW 31 7/17/2023 0-4 In-Situ <0.050 <0.300 <10.0 <10.0 <20.0 <10.0 <30.0 64.0	NW 30											
	NW 31											
	NW 32	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0

Dash (-): Sample not analyzed for that constituent. **Bold:** NMOCD Closure Criteria exceedance. **Red:** NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil **Mewbourne Oil Company Apollo Chile Verde Water Transfer Line** NMOCD Ref #+ n A PP2315849467

NMOCD Ref. #: nAPP2315849467											
N	MOCD Closure	e Criteria		10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMC	OCD Reclamati	on Standa	ırd	10	50	N/A	N/A	N/A	N/A	100	600
				SW 840	6 8021B		SW	846 8015M	Ext.		4500 Cl
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
NW 33	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 34	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW 35	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 36	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 37	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 38	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 39	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 40	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 41	7/21/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 42	7/21/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 43	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW 44	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
NW 45	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
NW 46	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
NW 47	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 48	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW 49	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
NW 50	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
NW 51	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 52	7/28/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
EW 1	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
EW 2	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 3	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EW 4	7/13/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 5	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 6	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 7	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 8	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
EW 9	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 10	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 11	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 12	7/27/2023	0-4	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
EW 12 B	8/7/2023	0-4	Excavated	-	-	-	-	-	-	-	128
EW 12 B	8/22/2023	0-4	Excavated	-	-	-	-	-	-	-	1,520
EW 12 C	8/30/2023	0-4	In-Situ	-	-	-	-	-	-	-	128
EW 13	7/28/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
EW 14	7/28/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SW 1	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	512
SW 2	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SW 3	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SW 4	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SW 5	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW 6	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 7	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

Dash (-): Sample not analyzed for that constituent.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Apollo Chile Verde Water Transfer Line
NMOCD Ref. #: nAPP2315849467

NMOCD Ref. #: nAPP2315849467												
NN	AOCD Closure	e Criteria		10	50	N/A	N/A	1,000	1,000 N/A		10,000	
NMO	CD Reclamati	on Standa	rd	10	50	N/A	N/A	N/A	N/A	100	600	
				SW 840	6 8021B		SW	846 8015M Ext.		1	4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)	
SW 8	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
SW 9	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112	
SW 10	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144	
SW 11	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
SW 12	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208	
SW 13	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
SW 14	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
SW 15	7/7/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
SW 16	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384	
SW 17	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
SW 18	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	224	
SW 19	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
SW 20	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	< 20.0	<10.0	<30.0	32.0	
SW 21	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
SW 22	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
SW 23	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240	
SW 24	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176	
SW 25	7/10/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
SW 26	7/13/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192	
SW 27	7/13/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128	
SW 28	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
SW 29	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0	
SW 30	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
SW 31	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
SW 32	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
SW 33	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240	
SW 34	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
SW 35	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
SW 36	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
SW 37	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
SW 38	7/21/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
SW 39	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
SW 40	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
SW 41	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112	
SW 42	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
SW 43	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
SW 44	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176	
SW 45	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208	
SW 46	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336	
SW 47	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368	
SW 49	7/28/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176	
SW 50	7/28/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
SW 58	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320	
WW 1	7/13/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	

Dash (-): Sample not analyzed for that constituent.

Bold: MMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

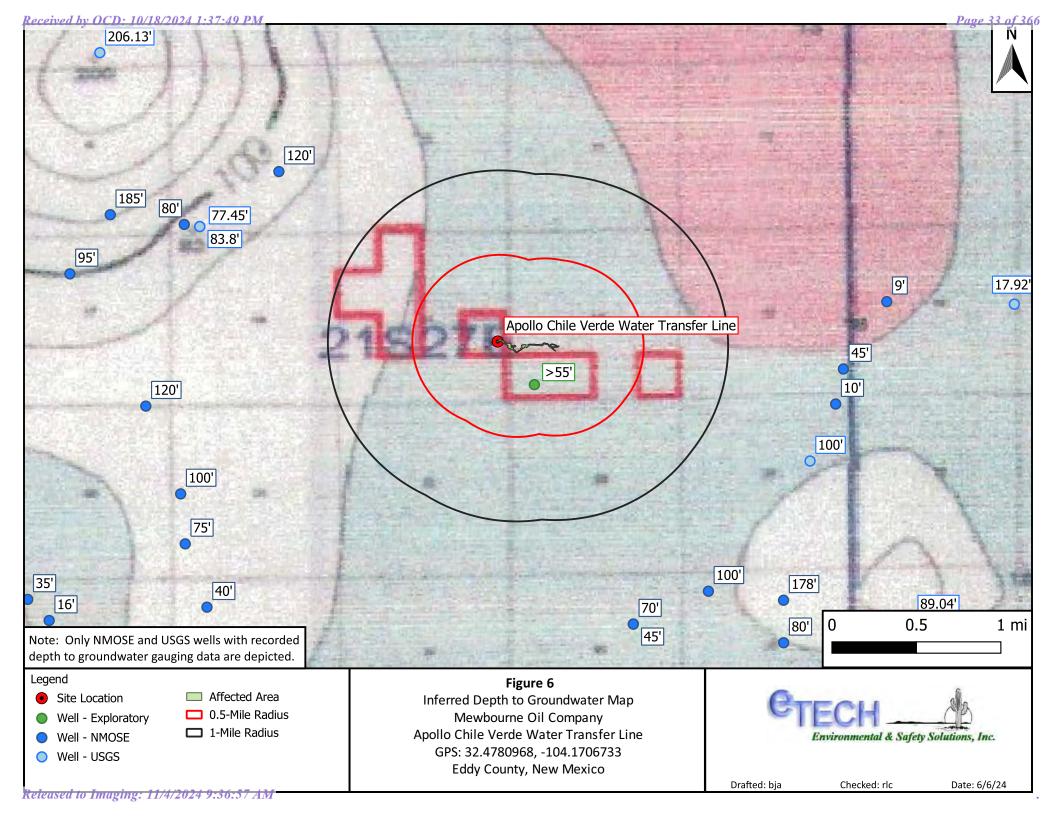
Red Border with Shading: Highest observed concentration.

Released to Imaging: 11/4/2024 9:36:57 AM

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Apollo Chile Verde Water Transfer Line
NMOCD Ref. #: nAPP2315849467

NMOCD Ref. #: nAPP2315849467												
NN	1OCD Closure	Criteria		10	50	N/A	N/A	1,000	N/A	2,500	10,000	
NMO	CD Reclamation	on Standa	rd	10	50	N/A	N/A	N/A	N/A	N/A 100		
					6 8021B		SW	846 8015M	Ext.		4500 Cl	
Sample ID	Date	Depth (Feet)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)	
WW 2	7/13/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 3	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
WW 4	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 5	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0	
WW 6	7/17/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0	
WW 7	7/20/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 8	7/21/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208	
WW 9	7/21/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
WW 10	7/21/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
WW 11	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128	
WW 12	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 13	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 14	7/25/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
WW 16	7/27/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368	
WW 16	7/28/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 17	7/28/2023	0-4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288	
FT 1 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,400	
FT 2 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,920	
FT 3 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,000	
FT 4 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,520	
FT 5 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,200	
FT 6 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400	
FT 7 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	19,600	
FT 8 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800	
FT 9 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,840	
FT 10 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	20,400	
FT 11 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	28,400	
FT 12 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040	
FT 13 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960	
FT 14 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	38,800	
FT 15 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	31,600	
FT 16 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	44,000	
FT 17 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	37,600	
FT 18 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
FT 19 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
FT 20 @ 4	8/17/2023	4	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	

Appendix A Depth to Groundwater Information





Soil Boring/Temporary Monitor Well BH-1

Company: Mewbourne Oil Company **Site:** Apollo Chile Verde Water Transfer Line

NMOCD Reference #: nAPP2315849467

Location: Eddy Co., NM

PLSS: U/L "J", Sec. 15, T21S, R27E

Well/Borehole ID: BH-1

Coordinates (NAD 83): 32.474370,-104.166992

Drilling Date: 2/28/2024
Depth of Boring (ft): 55
Depth to Groundwater (ft): >55

Plugging Date: 3/4/2024

Drilling Company: H&R Enterprises, LLC

Driller: Jim Hawley

Drilling Method: Air Rotary Logged By: Jim Hawley Drafted By: Ben J. Arguijo Draft Date: 4/3/2024

Casing: 2" PVC Screen: 0.020" Slotted

Completion: N/A
Comments: N/A

Depth (ft)	Groundwater	Lithology	Material Description	Petroleum Odor	Petroleum Stain	PID Reading	Well Construction
- - - - - 0							
- U - - -			Caliche - 100%	N	N	-	
5 				N	N	-	
- 10 				N	N	_	
- - 15 -			Sand 20% - Cobble 50%			_	
_ _ _ 20				N	N	-	
- - - - 25				N	N	-	Open Hole, No Annular Fill
-			Sand 30% - Clay 70%	N	N	-	le, No Ar
- 30 - - -				N	N	-	Dpen Hol
- - 35 - -				N	N	-	
- 40 			Fine Sand 15% - Clay 85%	N	N		
- - 45 -				IN	IN	-	
- - - 50				N	N	-	
- - - - - 55				N	N	-	
- 60 			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual. • The exploratory soil boring was left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment.				

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



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

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

(R=POD has been replaced, O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to closed) (NAD83

largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-	County	Q (Twe	Rna	x	V	Dietance Dent	hWellDepthWat	Water
C 00370	C		•					_		3593350*		iiweiibepiiiwai	ercolullii
<u>C 00466</u>	С	CUB	ED	3 3	3 1	14	21S	27E	578173	3594066*	413	538	

Average Depth to Water:

Minimum Depth: --

Maximum Depth: --

Record Count:2

UTMNAD83 Radius Search (in meters):

Easting (X): 577926.29 Northing (Y): 3593733.97 Radius: 804.67

*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.

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tw

Q64 Q16 Q4 Sec Tws Rng

X

C 00370 4 4 15 21S 27E

577874 3593350*

9

Driller License: Driller Company:

Driller Name: WHEELER CASS

Drill Start Date:07/22/1940Drill Finish Date:02/03/1941Plug Date:Log File Date:07/01/1958PCW Rcv Date:Source:

Pump Type:Pipe Discharge Size:Estimated Yield:Casing Size:Depth Well:Depth Water:

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

5/22/23 8:51 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer

Transaction Summary

CLOSE Closed File

Transaction Number: 465098 Transaction Desc: RENUM O-2-E-35 File Date: 09/14/1956

Primary Status: CLS Closed File Secondary Status: CLS Closed File

Person Assigned: ******

Applicant: R.S. MAGNUDER

_				
п	W74	4	- 1	-
			าา	

	Date	Type	Description	Comment	Processed By
get images		APP	Application Received	*	*****
	09/14/1956	FTN	Finalize non-published Trans.		*****
	08/09/2010	QAT	Quality Assurance Completed	SQ2	*****
	09/04/2015	QAT	Quality Assurance Completed	IMAGE	*****

Change To:

WR File Nbr Acres Diversion Consumptive Purpose of Use C 00370 0 0 CLS CLOSED FILE

**Place of Use

QQQQ

256 64 16 4 Sec Tws Rng Acres Diversion Consumptive Use Priority Status Other Loc Desc

0 0 0 CLS CLS OIL WELL - NO
PLACE OF USE

Remarks

THIS TRN HAS BEEN ENTERED TO CLOSE THE FILE. C-370 WAS RENUM O-2-E-35 (OIL WELL). WELL LOG (POD INFO ENTERED IN DB) WAS THE ONLY DOC FOUND (FILE JACKET WAS EMPTY - NOTE ON OUTSIDE IS ONLY INDICATION C-370 WAS RENUMBERED - SEE IMAGE).

ABSTRACTOR NOTE: FILE DATE TAKEN FROM LETTER ASSOC'D W/OTHER C-FILES THAT WERE RENUM TO O-2-E#'S (CAN VIEW IMAGE OF LETTER IN C-341).

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

5/22/23 8:55 AM TRANSACTION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Two

Q64 Q16 Q4 Sec Tws Rng3 3 1 14 21S 27E

X Y

578173 3594066*

9

Driller License: Driller Company:

Driller Name: ROBERT W. ATHA

C 00466

Drill Start Date:07/27/1953Drill Finish Date:08/02/1953Plug Date:Log File Date:07/08/1958PCW Rcv Date:Source:

Pump Type:Pipe Discharge Size:Estimated Yield:Casing Size:10.00Depth Well:538 feetDepth Water:

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

5/22/23 8:51 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer

Transaction Summary

CLOSE Closed File

Transaction Number: 465169 Transaction Desc: RENUM O-2-E-45 File Date: 09/14/1956

Primary Status: CLS Closed File Secondary Status: CLS Closed File

Person Assigned: ******

Applicant: ROBERT W. ATHA **Applicant:** EVERETT D. BUGETT

-			
н.	ve	'n	TS

	Date	Type	Description	Comment	Processed By
get images	09/14/1956	APP	Application Received	*	*****
	09/14/1956	FTN	Finalize non-published Trans.		*****
	08/09/2010	QAT	Quality Assurance Completed	SQ2	*****
	09/10/2015	QAT	Quality Assurance Completed	IMAGE	*****

Change To:

WR File Nbr	Acres	Diversion	Consumptive Purpose of Use
C 00466	0	0	0 CLS CLOSED FILE

**Place of Use

Q Q Q Q

256 64 16 4 Sec Tws Rng Acres Diversion Consumptive Use Priority Status Other Loc Desc

0 0 0 CLS CLS OIL WELL - NO
PLACE OF USE

Remarks

THIS TRN HAS BEEN ENTERED TO CLOSE THE FILE. C-466 WAS RENUM O-2-E-45 (OIL WELL). WELL LOG (POD INFO ENTERED IN DB) WAS THE ONLY DOC FOUND (FILE JACKET WAS EMPTY - NOTE ON OUTSIDE IS ONLY INDICATION C-466 WAS RENUMBERED - SEE IMAGE).

ABSTRACTOR NOTE: FILE DATE TAKEN FROM LETTER ASSOC'D W/OTHER C-FILES THAT WERE RENUM TO O-2-E#S (CAN VIEW IMAGE OF LETTER IN C-341).

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5/22/23 8:54 AM

TRANSACTION SUMMARY



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Groundwater levels for the Nation

■ Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 322917104120101

Minimum number of levels = 1

Table of data

Save file of selected sites to local disk for future upload

USGS 322917104120101 21S.27E.09.33433

Eddy County, New Mexico
Latitude 32°29'17", Longitude 104°12'01" NAD27
Land-surface elevation 3,228 feet above NAVD88
This well is completed in the Other aquifers (N99990THER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Graph of data Reselect period											
Date	Time	? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1950-01-2	25	D	72019	81.44			1	Z			<i>I</i>
1955-10-2	27	D	72019	83.80			Р	Z			

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	Α	Approved for publication Processing and review completed.

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U.S. Department of the Interior | U.S. Geological Survey
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URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2023-07-06 15:37:03 EDT

0.31 0.24 nadww02



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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

• 322917104120102

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 322917104120102 21S.27E.09.33433 A

Eddy County, New Mexico

Latitude 32°29'17", Longitude 104°12'01" NAD27

Land-surface elevation 3,228 feet above NAVD88

The depth of the well is 92 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aguifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	
<u>nessiect period</u>	

Date \$	Time \$? Water- level	? Parameter	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\datum\$? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level \$ approval status
1978-01-27		D	72019	75.69			Р	Z			А
1983-01-06		D	72019	71.91			1	Z			Α
1987-10-16		D	72019	76.46			1	Z			А
1988-03-18		D	72019	76.91			1	Z			А

Date \$	Time \$? Water- level	? Parameter code	Water level, feet below land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$\phi\$ datum	? Status	? Method of measurement	? Measuring \$\frac{\frac{1}{2}}{2} agency	? Source of measurement	? Water- level \$ approval status
1993-01-13		D	72019	82.42			1	C			A
1998-02-05		D	72019	77.45			1	S			A

Explanation

Section \$	Code \$	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	Р	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

<u>Questions or Comments</u> <u>Automated retrievals</u> <u>Help</u> Data Tips Explanation of terms
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0.28 0.24 nadww02

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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs site_no list =

• 322755104081401

Minimum number of levels = 1

Table of data

Tab-separated data

Save file of selected sites to local disk for future upload

USGS 322755104081401 21S.27E.24.23243

Eddy County, New Mexico
Latitude 32°28'03", Longitude 104°08'19" NAD27
Land-surface elevation 3,130 feet above NGVD29
This well is completed in the Other aquifers (N99990THER) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

<u>Graph of data</u>											
Reselect period											
Date	Time	? Water- level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1975-04-09)	D	72019	56.00			1	0	USGS	S	Α
1975-06-05	5	D	72019	100.00			1	0	USGS	S	А

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	0	Observed.
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	А	Approved for publication Processing and review completed.

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Appendix B Field Data & Soil Profile Logs



Project: Apollo Chile Verde Water Transfer Line

Project Number: 18228 Latitude: 32.4780968 Longitude: -104.1706733

Sample ID	PID/Odor	Chloride Conc.	GPS
SP1 @ Surface		25,240	
SP1 @ 1'		2,708	
SP1 @ 2'		5,264	
SP1 @ 3'		4,144	
SP1 @ 4'		3,980	
SP1 @ 5'		6,656	
SP1 @ 6'		2,708	
SP1 @ 7'		2,708	
SP1 @ 8'		1,948	
SP1 @ 9'		2,588	
SP1 @ 10'		500	
SP1 @ 11'		450	
SP2 @ Surface		24,320	
SP2 @ 1'		7,784	
SP2 @ 2'		6,156	
SP2 @ 3'		6,156	
SP2 @ 4'		6,156	
SP2 @ 5'		7,784	
SP2 @ 6'		5,696	
SP2 @ 7'		4,868	
SP2 @ 8'		1,656	
SP2 @ 9'		552	
SP3 @ Surface		25,240	
SP3 @ 1'		11,740	
SP3 @ 2'		4,868	
SP3 @ 3'		5,696	
SP3 @ 4'		4,144	
SP3 @ 5'		8,428	
SP3 @ 6'		5,696	
SP3 @ 7'		5,696	
SP3 @ 8'		364	
SP4 @ Surface		21,200	
SP4 @ 1'		6,156	
SP4 @ 2'		2,480	
SP4 @ 3'		580	
SP4 @ 4'		416	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1



Date: 6/7/2023	
----------------	--

Project: Apollo Chile Verde Water Transfer Line

Project Number: 18228 Latitude: 32.4780968 Longitude: -104.1706733

Sample ID	PID/Odor	Chloride Conc.	GPS
SP5 @ Surface		7,784	
SP5 @ 1'		5,264	
SP5 @ 2'		452	
NH1 @ Surface		<128	
NH1' @ 1'		<128	
NH2 @ Surface		<128	
NH2 @ 1'		<128	
NH3 @ Surface		<128	
NH3 @ 1'		<128	
NH4 @ Surface		<128	
NH4 @ 1'		<128	
NH5 @ Surface		<128	
NH5 @ 1'		<128	
EH1 @ Surface		<128	
EH1 @ 1'		<128	
SH1 @ Surface		<128	
SH1 @ 1'		<128	
SH2 @ Surface		<128	
SH2 @ 1'		<128	
SH3 @ Surface		<128	
SH3 @ 1'		<128	
SH4 @ Surface		<128	
SH4 @ 1'		<128	
SH5 @ Surface		<128	
SH5 @ 1'		<128	
WH1 @ Surface		<128	
WH1 @ 1'		<128	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1



Date:

6.7.23

Project: Chili Verde 23/24 Fed Com 716H

Project Number: 18228 Latitude: 32.477651 Longitude: -104.167798

Sample ID	PID/Odor	Chloride Conc.	GPS
	1.0 NoNe	25,240	
	.0	2 708	
SPIEZ +15 5.	6	5,264	
SP103 HS 5.	0 -	4,144	
SPICY HS U.		3980	
Srie5 45 6.		6656	
58166 HS 4.		2708	
SPIRTHS 4.	0 -	2708	
5/108 7.	2 -	1948	
50109 8.		2588	
SP1010 3.		500	
311-	4 :	452	
	.0	25,248	
	.6	7.784	
	.0 —	6,156	
	.0	6.156	
	.0 —	6,156	
58285 HS 6	6	7784	=
SP7.06 HS 5.		5,696	
	4	4,868	
SPICE HS 3.0		1,656	**
58289 3.		5-5-2	
513 CSUV HS 9	0 -	25,240	
	.6	11,740	
193 e 2 HS 5		4,868	
583 @ 3 HS S		5696	
	.0 -	9144	
1136-13 9		8.428	
13 Q 6 HS 5		5,696	
13 0 7 HS 5		5,696	
	0 -	764	
594@ Sur HS 8	6 -	19797	
		6,154 3,228	
	1 -		
		396 252	
18464 2	. 4	120	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1



Date:			

Project: Chili Verde 23/24 Fed Com 716H

Project Number: 18228 Latitude: 32.477651 Longitude: -104.167798

Samp	ole ID	PID/Odor	Chloride Conc.	GPS
5P5@ Sur	HS 6-6	-	7784	
5P5 0 1	HS 5.6	_	5,264	
585 @ 2	7.6		284	
515@3	3.4		452	
585@4	3.0		364	
S1505	.2.2		716	
NHI esur	3.0	-	364	
NHIBI	2.4		248	
SHIESUV	3.2	-	408	
SH 1 @ 1	26	-	284	
EHIGSUr	3.0	West	364	
FHIRI	2.8	-	324	
NH Zesur	7.8	_	324	
NH201	26		284	
5H 2051	3.2		408	
5H201	2.8	2.00	324	
NH 305Ur	2.8	-	324	
NH301	2.2		216	=
5H3050r	3.4	restrains.	452	
SH301	3.0	-	364	
NH4psur	3. 9	**************************************	364	
NHUDI	2.6	September 1991	284	
SHHOSUr	2.6		2.84	
SHUEL	2.2	No. of Concession, Name of Street, or other Desires, Name of Street, Original Street, Origi	216	
NH5@1	3.4	The same of the sa	452	
NH501	3.2		408	
5H5 @ 1	3.0	-	364	
SH5 @ 1	2.8)	314	
WHIEL	2.2	_	716	
WHIRI	2.0	_	184	
			1	
			1	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1







Date:		
Date.		

Project:	Apollo Chile	Verde	Water	Transfer	Line
----------	--------------	-------	-------	----------	------

Project Number: 18228 Latitude: 32.4780968 Longitude: -104.1706733

Sample ID		PID/Odor	Chloride Conc.	GPS
NWI	3.7	WONE	412	
SWI	3.6		500	
EWI	3.4	100	452	
NWZ	3.2		412	
SWZ	3.2		4112	
NW3	3.4		452	
SW3	3.2	-	4/2	
NWY	3.6		500	
swej	3.0		372	
5 W 5	3.2		412	
NUS_	3 2	-	412	
SW6.	3.0		372	
NW 6	3.6		560	
SW 7	7.8		324	
NW7	3.0	_	500	
SWB	3.8	100	552	
EW2	3.6		500	
-NW8	3.0	-	372 =	
5w9	7.8		324	
NUA	3.8		552	
SWLO	7.8		324	
5 W 11	7.6		284	
NW 10	7.8	_	329	
NW II	3.8		552	
Nw 12	3.8	-	557	
5w17	3.2		412	
EW3	7.8		324	
Sw13	6.0			
NW 13	6.2	1		
5413	3.6		500	
NW13	3.8		552	
SWILL	2.0	_	192	
NW14	3.0		371	
SW15	3,6	_	50a	
NW15	3,6	_	50n 552	
NW16	2.8		324	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1





Chile Verde 23/24 fed Com 716 H 18 228 Latitude:

Date:

Project:

Project Number:

Longitude:

Samp	e ID	PID/Odor	Chloride Conc.	GPS
SW16	3.8		552	
NWIT	3.0	_	362	
SV17	7.8	_	324	
NW18	3.4		451	
SW18	3.2	_	U08	
NV19	3.4		455	
5W19	3.0		362	
NWZO	3.4		452	
5 W 20	3.0	-	362	
NW21	3.2	-	408	
5W21	3.0	September Strategick	362	
Awrz	<.5	Management and Allin	2/6	* = -0.
SW22	2.4	VACOTION ACCOUNTED	748	
NWZ3	3.2	Contractor of	408	*
5W27	34	THE PERSON NAMED IN	452	
NW24	3.0	de transference service	362	
5 W 24	2.6	Contract of the Contract of th	284	
CW 25	7.0	A CHARLES LOS DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION	362	
NW25 WWI	3.0	STATE OF THE PARTY	362	
WWI	3.2		408	
N426	m 5 0		860	7
NW16	4.6	Section 1	736	
NW 27	8.0	material de	2,512	
NW27	46		736	
V477	5.0		860	
NW27	3.2	-	408	
EW4	2.2	_	716	
WWZ	3.7	-	408	
5626	5.0		860	
51/26	3.8		552	
NW 28	5.2			
NW 28	3.8	_	552	
SU 27	3.1	-		
NW 26	3 8			

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

NWZG

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

776

NW27. 8.0 8852

Resamples = SP #1 @ 5b or SW #1b Stockpile = Stockpile #1



Chile Verde 33/24 fed Com 716H



Page 53 of 366

Sample Log

Date:

Project:

Project Number:

18228 Latitude:

Longitude:

ALC: UNKNOWN	
100	
	4.533

Sample ID		PID/Odor	Chloride Conc.	GPS
2 M. S. B	3.0	_	356	
NW29	7.11		252	
5W29	2.2		220	
NW30	3:0		356	
5W30	2.4		252	
NW31	2.4		252	
5N31	2.8		320	
NV37	2.6		284	
EWS	3.4		436	
WW3	311		480	
ENG	7.2		655	-
WWH-	7.6		284	
EW7	2.4	-	252	
WWS	2.5	-	220	
5W32	2.4	and distributions of the last	252	
Sw 33	3.4)	436	
Sw34	3.2		396	
EWB	7.4	-	252 =	-
WW6	2.4	garate and	252	
NW33	2.8	Martin	320	
NW 34	* 76	SERVICE	340	
-w9	7.2	-	220	
5W35	3.6		340	
NW35	3.4	45	436	
EVIO	7.6	Total Control of the	289	
EWIL	2.8		320	
NW36	2.6		284	
Sw 36	7.4	-	252	
WW7	20		192	
NW37	2.0		192	
Su37	5.0	_	192	
NN38	1.8		164	
5 M38	2-2	-	220	
NUZ9	3.0		3 5 6	
N N 40	2.2	-	220	
5W39	1.8	-	164	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1

Stockpile = Stockpile #1

GPS Sample Points, Center of Corr



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P	ro	00	++	
	10	C	٠.	

Project Number:

Latitude:

Longitude:

300

SW38 Sample I	D	PID/Odor	Chloride Conc.	GPS
WW8	3.2		396	
Mull	1.8		149	
wwg	1 - 6		134	
NAMS	2.2	400	220	
WW10	7.6		2,160	
WW 10	2.4	-	262	
wwII	2.2	apart of the same	220	
1 SW40	1.8	-	164	
WWIZ	1.4		117	
WWIS	1.4		112	
WWI4	36	Name	480	
NW43	20	Sec.	192	
5241	7.2	-	220	
NWHH	2.0		192	
1 SW42	5.0		192	
NWUS	2.6	-	284	
NV46	7 2		220	
SW43	5.0	-	192	•
NUYT	1.6		134	
SWLIC	2.8	,	326	
5W 45	2.0		192	
NV 48	2.2		770	
5w46	2.2		710	
NV49	2.6	Manager.	284	
5W47	3.2		196	
NWSI	2.6		284	
5448	2.0		192	
EW12	3.0		356	
NW50	3.1		196	
WW 15	28	_	7.84	
NW52	3.0	-	356	
SW49	2.0		761	
EW /3	3.0		356	
WW 17			192	
FLE of line	2.4			
FL W of line	5.0	1	192	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW

Stockpile = Stockpile #

GPS Sample Points, Center of





g		
Date:		

	and the second s
	chile verde
Droinct.	Charles of the Control of the Contro

18228

Project Number: Latitude: Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
EW 14 3.0		356	
NV17 2.8		310	
5W50 2.8		320	
TTI Q 4 HS &4		7,10%	
TTI 8 6 HS 6.0		6 156	
TTI 6 8 6.	,	1492	
TT1 @ 10 2.4		252	
TTZ @ 4 HS 1.8		8,428	-
TTZ 66 - HS 6-7	-	P16-2P	
75268 6.	1	1416	
772 @ 10 7.0)	197	
TT3 @ 4 HS 7.	1	ורקסן	
TT3 @ 6 7.1		2160	
T7368 7.8		1318 ==	* · · · ·
	4	2008	
TT3 @12 3.	0	356	
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TT404 1.4		112	
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Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples= SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1



Soil Profile

	Verde Water Tran		22 4700000	1 1 1	404 1700700
ect Number:	18228	Latitude:	32.4780968	Longitude:	-104.1706733
h (ft. bgs)		1	Dec	cription	
1 (11. 1093)	San	nd nd-caliche iche-clar	Des	cription	
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4	591	19	, , , , , , , , , , , , , , , , , , ,		
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4	Cal	1che-clay		пониция (возго-ментопому пониции пониция пониция пониция пониция пониция пониция пониция пониция пониция поници	
5	C10	1			ecuturon manatana de la company de la co
6	Cla				alau 1824-te tian kanada ira muu 1990-1991-teen kanada ka 1800-1991-teen ta 1800-teen 1990-teen 1990-teen 1990
7	Saj	nd-clay			
8	Ca	liche	-	-	
9	Ca	liche-Rock	(niji)))))	
10		alich-Roc	K		«Вишнония портина в
11	animanima de la constanta de l	Caliche- san			mantahan menentahkan delaman di kebenara delam kebenara delam kebenara delam kebasah delam delam delam delam d
12	*ALIAMBIOTOMINICKONOMINI	Sand ·			
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Received by OCD: 10/18/2024 1:37:49 PM

Appendix C Photographic Log

Photo Number:

1

Photo Direction:

Overhead/Bird's Eye

Coordinates:

32.477686,-104.165391

Date/Time:

5/20/23, Time Unknown

Photo Description:

Aerial view of the eastern portion of the affected area (outlined in cyan).



Photo Number:

2

Photo Direction:

Overhead/Bird's Eye

Coordinates:

32.477570,-104.167615

Date/Time:

5/20/23, Time Unknown

Photo Description:

Aerial view of the central portion of the affected area (outlined in cyan).



Photo Number:

3

Photo Direction:

Overhead/Bird's Eye

Coordinates:

32.477948,-104.169893

Date/Time:

GPS: 5/20/23, ≈14:00.

Photo Description:

Aerial view of the western portion of the affected area (outlined in cyan).



Photo Number:

4

Photo Direction:

Northeast

Photo Description:



Photo Number:

5

Photo Direction: Northeast

Photo Description:

View of the excavated area.



Photo Number:

6

Photo Direction:

North

Photo Description:



Photo Number: 7

Photo Direction:

East

Photo Description:

View of the excavated area.



Photo Number:

8

Photo Direction:

West

Photo Description:



Photo Number:

9

Photo Direction:

Northeast

Photo Description:

View of the excavated area.



Photo Number:

10

Photo Direction:

Southeast

Photo Description:

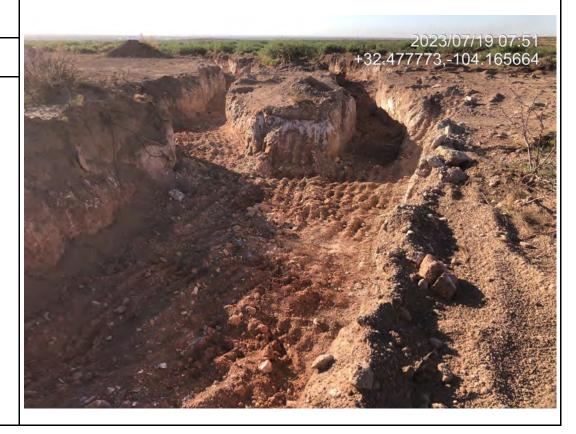


Photo Number:

11

Photo Direction: Southeast

Photo Description:

View of the excavated area.



Photo Number:

12

Photo Direction:

Northwest

Photo Description:



Photo Number:

13

Photo Direction:

West-Northwest

Photo Description:



View of the excavated area.

Photo Number:

14

Photo Direction:

West-Northwest

Photo Description:



Photo Number:

15

Photo Direction:

East

Photo Description:

View of the excavated area.



Photo Number:

16

Photo Direction:

East

Photo Description:



Photo Number:

17

Photo Direction: West-Northwest

Photo Description:



View of the excavated area.

Photo Number:

18

Photo Direction:

East

Photo Description:



Photo Number:

19

Photo Direction:

Northeast

Photo Description:

View of the excavated area.



Photo Number:

20

Photo Direction:

South

Photo Description:



Appendix D Laboratory Analytical Reports



June 14, 2023

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 06/08/23 15:09.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SP 1 @ SURF (H232949-01)

BTEX 8021B

	91	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48	
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70	
Total BTEX	<0.300	0.300	06/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	51200	16.0	06/09/2023	ND	448	112	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	10.1	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SP 1 @ 10 (H232949-02)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48	
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70	
Total BTEX	<0.300	0.300	06/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	06/09/2023	ND	448	112	400	7.41	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 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 LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM Sampling Date: 06/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: SP 2 @ SURF (H232949-03)

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	06/13/2023	ND	2.13	107	2.00	5.48	
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70	
Total BTEX	<0.300	0.300	06/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	06/09/2023	ND	448	112	400	7.41	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	210	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	31.1	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	106 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 %	6 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SP 2 @ 8 (H232949-04)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2023	ND	2.13	107	2.00	5.48	
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70	
Total BTEX	<0.300	0.300	06/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	06/09/2023	ND	400	100	400	3.92	QM-07
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SP 3 @ SURF (H232949-05)

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	06/13/2023	ND	2.13	107	2.00	5.48	
Toluene*	<0.050	0.050	06/13/2023	ND	2.18	109	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/13/2023	ND	2.25	113	2.00	5.68	
Total Xylenes*	<0.150	0.150	06/13/2023	ND	6.65	111	6.00	5.70	
Total BTEX	<0.300	0.300	06/13/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	6 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	27200	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	14.5	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SP 3 @ 8 (H232949-06)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/09/2023	ND	2.38	119	2.00	13.4	
Toluene*	<0.050	0.050	06/09/2023	ND	2.37	119	2.00	13.3	
Ethylbenzene*	<0.050	0.050	06/09/2023	ND	2.34	117	2.00	14.4	
Total Xylenes*	<0.150	0.150	06/09/2023	ND	7.12	119	6.00	13.7	
Total BTEX	<0.300	0.300	06/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 06/08/2023 Reported: 06/14/2023 Sampling Date: 06/07/2023

Project Name:

Sampling Type: Soil

CHILI VERDE 23/24 FED COM 716 H Project Number: 18228

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SP 4 @ SURF (H232949-07)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22000	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SP 4 @ 4 (H232949-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023 Sampling Date: 06/07/2023 Sampling Type: Soil

Project Name:

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact Sample Received By:

Shalyn Rodriguez

Project Number:

Project Location:

18228 MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SP 5 @ SURF (H232949-09)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	103 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Type: Soil

Project Number: 18228 Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SP 5 @ 3 (H232949-10)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023

Sampling Date: 06/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Project Number: 18228

Sampling Condition: Cool & Intact Shalyn Rodriguez Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 1 @ SURF (H232949-11)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: Sampling Type: Soil 06/14/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 1 @ 1 (H232949-12)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	6 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 2 @ SURF (H232949-13)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	< 0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 2 @ 1 (H232949-14)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	< 0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 3 @ SURF (H232949-15)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	94.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM Sampling Date: 06/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Sample ID: NH 3 @ 1 (H232949-16)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celey D. Keine



Shalyn Rodriguez

Sample Received By:

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 4 @ SURF (H232949-17)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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Celeg & Keens



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 4 @ 1 (H232949-18)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	204	102	200	4.26	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	190	94.9	200	1.58	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celley & Keine



Shalyn Rodriguez

Sample Received By:

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 5 @ SURF (H232949-19)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NH 5 @ 1 (H232949-20)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 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	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 1 @ SURF (H232949-21)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023 Sampling Date: 06/07/2023 Sampling Type: Soil

Project Name:

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact

Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 1 @ 1 (H232949-22)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 2 @ SURF (H232949-23)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Type: Soil

Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 2 @ 1 (H232949-24)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	< 0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	18						

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 3 @ SURF (H232949-25)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	114	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 3 @ 1 (H232949-26)

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	06/10/2023	ND	2.08	104	2.00	0.428	
Toluene*	<0.050	0.050	06/10/2023	ND	2.07	103	2.00	0.558	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.13	106	2.00	0.0952	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.32	105	6.00	0.260	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	110 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Shalyn Rodriguez

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023

 06/08/2023
 Sampling Date:
 06/07/2023

 06/14/2023
 Sampling Type:
 Soil

 CHILI VERDE 23/24 FED COM 716 H
 Sampling Condition:
 Cool & Intact

Sample Received By:

Project Name: CHILI Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 4 @ SURF (H232949-27)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celeg D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 4 @ 1 (H232949-28)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	< 0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 06/08/2023 Reported: 06/14/2023 Sampling Date: 06/07/2023
Sampling Type: Soil

Project Name:

BTEX 8021B

CHILI VERDE 23/24 FED COM 716 H Sampling Condition:

Cool & Intact

Project Number:

18228 Sample Received By:

Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SH 5 @ SURF (H232949-29)

DILX GOZID	11197	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023 Sampling Date: 06/07/2023 Sampling Type: Soil

Project Name:

RTFY 8021R

CHILI VERDE 23/24 FED COM 716 H Sampling Condition:

Applyzod By: 1H /

Cool & Intact Sample Received By: Shalyn Rodriguez

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: SH 5 @ 1 (H232949-30)

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WH 1 @ SURF (H232949-31)

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	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 06/08/2023 Reported: 06/14/2023 Sampling Date: 06/07/2023 Sampling Type: Soil

Project Name:

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

CHILI VERDE 23/24 FED COM 716 H

Sample ID: WH 1 @ 1 (H232949-32)

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	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: EH 1 @ SURF (H232949-33)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	<0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-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	06/09/2023	ND	400	100	400	3.92	
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	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	99.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/08/2023 Sampling Date: 06/07/2023

Reported: 06/14/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: EH 1 @ 1 (H232949-34)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.514	
Toluene*	< 0.050	0.050	06/10/2023	ND	2.08	104	2.00	0.174	
Ethylbenzene*	< 0.050	0.050	06/10/2023	ND	2.18	109	2.00	0.926	
Total Xylenes*	<0.150	0.150	06/10/2023	ND	6.46	108	6.00	0.754	
Total BTEX	<0.300	0.300	06/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/09/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/09/2023	ND	207	104	200	5.29	
DRO >C10-C28*	<10.0	10.0	06/09/2023	ND	185	92.5	200	9.44	
EXT DRO >C28-C36	<10.0	10.0	06/09/2023	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	18						

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Celeg D. Keine



Notes and Definitions

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.
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

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Celeg & Keene

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	; t	
Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Lane Crenshaw	P.O. #:	
Address: P.O. Box 301	Company: Mew bourn	
City: Lovington State: NM Zip: 88260	Attn: Jeff Broom	
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address: 4801 Bus p Blvd	
Project #: 18228 Project Owner: Mewbourn	City: Hobbs	
Project Name: Chili Verde 23/24 Fed Com 716 H	State: NMZip:88 240	218 SM)
Project Location: (Vra) Carls bad N.M.	Phone #:	EX (802)
Sampler Name: Dominil Casever	Fax #:	Chloride TPH (8015M) 3TEX (8021B)
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
Tap I.D. Samble I.D. ASSERVATER SOIL OIL	SLUDGE OTHER: ACIDIBASE: ICE / COOL ATHER: ACIDIBASE:	
DC 1 SPIR SUV QIIV	V 4-7-23	
2 581010 10 10 1		
3 5P2@ Sur G1		
4 SPZ@ 8 G11	T C C	
5 SP3@ SUY GI		
6 SP3@8 G1		
7 SP40 SUY G11		
8 SP4 0 4 G 1		
9 5 P 5 @ Sur GI		
10 5 6 5 @ 3 PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in co	tract or fort, shall be limited to the amount paid by the client for	the '
analyses. All claims including those for negligence and any other cause whetevever shall be deemed waived unless made in with service. In no event shall Cardinal be liable for incidental or consequented damages, including without limitation, business interrupt	g and received by Cardinal within 30 days after completion of th	ne applicable
artilisates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such Relinquished By: Date 8-23 Received By:	Phone Res Par Result REMARKS Please er	sult: ' Yes No Add'l Phone #:
Sampler - UPS - Bus - Other: -120: #113 Cool Inta	d (Initials)	

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RDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Martand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environmental & Safety Solut	ions, Inc.	BILL TO	1	ANALYSIS REQUEST
Project Manage	r. Lane Crenshay		P.O. #: Meubiucr	1	
Address: P.O	. Box 301	1	Company:		
City: Lovingto	on State: NM	Zip: 88260	Atm: Jeff Broom	*	
Phone #: (575	5) 396-2378 Fax #: (575) 3	96-1429	Address: 4801 605 g B	We	
Project #: 182	26 Project Owner	Merbourn	city: Hobbs		
Project Name:	Chili verde 23/24 fed a		State: NM Zip: 8824	6 W	BTEX (8021B)
Project Location			Phone #:	Chloride PPH (8015M)	08
Sampler Name:	Dominic Casarez		Fax #:	45 F	X X
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL ON	ACIDIBASE: ICE / COOL MHER:	DAS	
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	NH7 P Sur	GI			
	NH2 & I	GI			
15	NH3 @ SVY	GI			
14	NH3 e1	61			
17	NH4@ SUY	G	***		
18	NHU@ 1	GEI			
19	NH5@ Sux	6 1		1 1	
20	NHSEL	all		MINI	
	nd Damages, Calidinal's liability and client's exclusive remedy for a ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, including	deemed waived unless made in writing an	d mostred by Cardinal within 35 days after eam	pieton of the applicable	
affiliates or successors arisis	ng out of or related to the performance of services hereunder by C	ardinal, regardless of whether such claim	is besed upon any of the above stated resource	or otherwise.	
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Relinquished B	Date:	Received By:		late.	er added sample
Delivered By	(Circle One)	Sample Conditi		ease email results	to pm@etechenv.com.
Sampler - UPS	- Bus - Other - 12.00 +	Cool Intact	(Initials)		
EODBA 000					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

Company Name	Etech Environmental & Safety Solut		BILL TO	-	_		ANALYSIS REQUEST
Project Manager			P.O. #:				
Address: P.O.			Company: Mew 20011				
City: Lovingto	n State: NM	Zip: 88260	Attn: Jeff Broom		*		
Phone #: (575) 396-2378 Fax #: (575) 3	96-1429	Address: 4801 Bus PBIVE				
Project #: 18 7	228 Project Owner	Molyburn	City: Hobbs				
Project Name:	Chili Verde 23/24 fe	2 Can 716 H	State: NM Zip:8924(/		SIM)	18	
Project Location	: Rural Carlsbad N	M	Phone #:	Chloride	IPH (8015M)	3TEX (8021B)	
Sampler Name:	- Rural Carlsbod N. Dominic Casara	7-	Fax #:	중	H	X	
FOR LAB USE ONLY	Chill Casart	MATRIX	PRESERV. SAMPLING		1	18	
Lab I.D. <i>H</i> Z32949	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OLL	ACIDIBASE: OTHER: ACIDIBASE: OTHER: OTHER: OTHER:	,			
DC 21	SHIDSUY	GIV	1 10723	1	V	V	
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23	SHLESUV SHLEI	GI					
54	SHLEI	41					
25	5H3@SW	911					
26	5H3@1	GI					
a7	SHUESVY	91					
	SHUEL	91					
29	SHEESW	GII		1	11/	1	
34	5H50 1	61		4	*		
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affiliates or successors ansi	rdical be limble for incidental or consequental demages, including grout of or related to the performance of services hereunder by C	ardinal, regardless of whether such clain	tour or tree, or time or provin securate by count, no submitted beauty or otherwise based upon any of the above stated reasons or otherwise.	100,	A 0		1119
Relinquished By	7 m 1709	Received By:	Phone Re Fax Resul REMARKS X CI SO Please e	sult: it: it: it: it: it: it: it: it: it: i	Olesults	e do pmili	No Add'l Phone #: No Add'l Fax #: UP add add add add add add add add add ad
Delivered By: Sampler - UPS		Sample Condition Cool Intact Yes Yes No N	tion CHECKED BY: (Initials)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- parti	WINDS

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RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	34	
Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Lanc Crenshaw	P.O. #:	
Address: P.O. Box 301	Company: Mewbourn	
City: Lovington State: NM Zip; 88260	Attn: Jeff Broom	
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address: 4901 BUSP BILL	
Project #: 18228 Project Owner: Merkourn	city: Hobbs	
Project Name: Chili Veide 23/24 fed Com 716 H	State: NM Zip: 88240	56M)
Project Location: Rural Carls bad	Phone #:	Cbloride H (8016)
Sampler Name: Dominie Casarcz	Fax #:	Cbloride TPH (8015M) BTEX (8021B)
FOR LAB USE ONLY MATI	RIX PRESERV. SAMPLING	F Ea
	SEUDGE OTHER: ACID/BASE: ICE / COOL THER: THER:	
3/ WHI P SOV GIL	V (1-23	
32 WHI@ 1 GII V		
33 EH @ Suy G 1 1		
34 EHIE G1 V	1 -	VVV
	<u> </u>	
PLEASE NOTE: Listelity and Damages, Cardinal's listelity and client's exclusive remody for any claim arising whether based in analyses. All claims including those for negligence and any other cause whatsoever shall be deemed varied unless made in viserics. In no evert shall Cardinal be listely for incidental or consequential damages, including without infestions, brightness infesting artificates or successors arising out of or related to the performance of services berrunder by Cardinal, regardless of whether as Relinquished By: Date: Received By: Cardinal be listed by: Cardinal particless of whether as Received By: Cardinal particless of whether as Recei	anting and monived by Cardinal within 30 days allar despetion of the upilians, lose of vac or initial prelia incurred by client, its subsidiaries ach client is based upon any of the above stated resoons or otherwise Phone Res Fax Results REMARKS	e applicable et, R. Built: ' Yes No Add'l Phone #:
Delivered By: (Circle One) -12.0:0-0-0: Sample Cool le Sampler - UPS - Bus - Other: -12.0:4113	viact (finitials)	

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June 19, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: APOLLO CHILI VERDE WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/19/23 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW

2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 06/19/2023 Sampling Date: 06/19/2023

Reported: 06/19/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE (32.4781 - 104.17067)

Sample ID: SP 1 @ 11' (H233152-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Oualifier Analyte Result 880 Chloride 16.0 06/19/2023 ND 416 104 400 7.41

Sample ID: SP 2 @ 9' (H233152-02)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 992 16.0 06/19/2023 ND 416 104 400 7.41

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Celey D. Keene



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 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

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Celey D. Keens

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ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240
(675) 393 2326 EAV (675) 393 2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environment			, Inc						Æ	ILL	O			1		ANALYSIS REQUEST
Project Manage	r: Lance Crenshaw							F	.O. #	k:							
Address: 261	7 West Marland							c	omp	any		Etech					
City: Hobbs		State: NM	Zip	: 88	240			A	ttn:		Lance	Crens	haw				
Phone #: (57:	5) 264-9884	Fax #:						A	ddre	SS:							
Project #: 182	28	Project Owner	7:	Me	wbo	ume		0	Aty:					1		_	
Project Name:	Apollo Chili Verde Wate	er Transfer Line						-	_	NA	Zip:				SE SE	18)	
Project Location	n: 32.4781, -104.1706	7		_					State: NM Zip: Phone #:				Chloride	TPH (8015M)	BTEX (8021B)		
Sampler Name: Lance Crenshaw				-	ax#		_			नू स	H	EX					
FOR LAB USE ONLY MATRI			TRIX	_	_	ESER	V. SA	MPLI	IG		4	BTI					
Lab I.D.	Sample I.	D.	(G)RAB OF INTOMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	ICE / COOL	DA	TE	TIME		7		
	SP 1 @ 11'		G	1		X			T	X	6/19	/23	1 1 11	Х			
	SP 2 @ 9'		G	1		X				X	6/19	/23		X	*		
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LEASE NOTE: Liability as	nd Damages. Cardinal's liability and clie	nt's exclusive remedy for a	ny clair	n arisir	g wheth	er besod	in cont	ract or	drt, shal	l be limit	ed to the amo	unt paid	by the client for	the			
service. In no event shall C	ng those for negligence and any other o ardinal be liable for incidental or consec	wentel demages, including	withou	et firefla	don, bu	oinees in	отпрбо	one, foed	of use,	or loss o	f profile incur	red by cl	ent, its subsidier	ios,	ble		
Relinquished B	ng out of or related to the performance	Date: 0 27			ed B		such ci	aim is b	ased up	on any o	the above st	ated reas	ons or otherwise Phone Res		☐ Ye	s 🗆	No Add'l Phone #:
Jame		Date: 19-23 Time: 1200			11		M	91	4	da	Hose		Fax Result REMARKS		□ Ye	s 🗆	No Add'l Fax #:
Relinquished B	y :	Date:	Re	ceiv	ed B	y:		0	Coll		1						
		Time:											RUSH	I SA	AME	PLE	S
Delivered By	(Circle One)		A		C	ample	Intac	t_			KED BY						copy of CoC to pm@etechenv.com.
Sampler - UPS	Pue Other	0.40/-		~ 0	Г	Yes	T	Yes		-	5	- 1					

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June 29, 2023

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: APOLLO CHILI VERDE WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 15:07.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager

Reported:

29-Jun-23 09:32



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

Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS NM, 88240

Project: APOLLO CHILI VERDE WATER TRA

Project Number: 18228

Project Manager: LANCE CRENSHAW

Fax To:

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 1 @ 11.5'	H233201-01	Soil	20-Jun-23 10:29	20-Jun-23 15:07
SP 2 @ 9.5'	H233201-02	Soil	20-Jun-23 10:45	20-Jun-23 15:07

06/29/23 - Client changed the sample ID on -02 (see COC). This is the revised report and will replace the one sent on 06/26/23.

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: APOLLO CHILI VERDE WATER TRA

Project Number: 18228

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 29-Jun-23 09:32

SP 1 @ 11.5' H233201-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	3062114	AC	21-Jun-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3062101	MS	22-Jun-23	8021B	<u> </u>
Toluene*	< 0.050		0.050	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		103 %	71.5	-134	3062101	MS	22-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3062109	MS	21-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3062109	MS	21-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3062109	MS	21-Jun-23	8015B	
Surrogate: 1-Chlorooctane			97.8 %	48.2	-134	3062109	MS	21-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			100 %	49.1	-148	3062109	MS	21-Jun-23	8015B	

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Celeg D. Keens



Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: APOLLO CHILI VERDE WATER TRA

Project Number: 18228

Reported: 29-Jun-23 09:32

Project Manager: LANCE CRENSHAW Fax To:

> SP 2 @ 9.5' H233201-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	3062114	AC	21-Jun-23	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3062101	MS	22-Jun-23	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		105 %	71.5	-134	3062101	MS	22-Jun-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3062109	MS	21-Jun-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3062109	MS	21-Jun-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3062109	MS	21-Jun-23	8015B	
Surrogate: 1-Chlorooctane			106 %	48.2	-134	3062109	MS	21-Jun-23	8015B	
Surrogate: 1-Chlorooctadecane			108 %	49.1	-148	3062109	MS	21-Jun-23	8015B	

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: APOLLO CHILI VERDE WATER TRA

Project Number: 18228

Project Manager: LANCE CRENSHAW

Fax To:

Reported: 29-Jun-23 09:32

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3062114 - 1:4 DI Water										
Blank (3062114-BLK1)				Prepared &	ն Analyzed:	21-Jun-23				
Chloride	ND	16.0	mg/kg							
LCS (3062114-BS1)				Prepared &	ե Analyzed:	21-Jun-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3062114-BSD1)				Prepared &	α Analyzed:	21-Jun-23				
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	

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%REC

Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240 Project: APOLLO CHILI VERDE WATER TRA

Source

Project Number: 18228

Project Manager: LANCE CRENSHAW

Spike

Fax To:

Reported: 29-Jun-23 09:32

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3062101 - Volatiles										
Blank (3062101-BLK1)				Prepared: 2	21-Jun-23 A	nalyzed: 2	2-Jun-23			
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)	0.0519		mg/kg	0.0500		104	71.5-134			
LCS (3062101-BS1)				Prepared: 2	21-Jun-23 A	nalyzed: 2	2-Jun-23			
Benzene	2.17	0.050	mg/kg	2.00		109	82.8-130			
Toluene	2.14	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.10	0.050	mg/kg	2.00		105	85.9-128			
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	89-129			
o-Xylene	2.10	0.050	mg/kg	2.00		105	86.1-125			
Total Xylenes	6.39	0.150	mg/kg	6.00		106	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0511		mg/kg	0.0500		102	71.5-134			
LCS Dup (3062101-BSD1)				Prepared: 2	21-Jun-23 A	analyzed: 2	2-Jun-23			
Benzene	2.11	0.050	mg/kg	2.00		106	82.8-130	2.83	15.8	
Toluene	2.09	0.050	mg/kg	2.00		104	86-128	2.56	15.9	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	85.9-128	2.97	16	
m,p-Xylene	4.14	0.100	mg/kg	4.00		104	89-129	3.40	16.2	
o-Xylene	2.04	0.050	mg/kg	2.00		102	86.1-125	3.01	16.7	
Total Xylenes	6.18	0.150	mg/kg	6.00		103	88.2-128	3.28	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.8	71.5-134			

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Celeg D. Keine



%REC

Limits

RPD

Analytical Results For:

Etech Environmental & Safety Solutions

2617 W MARLAND HOBBS NM, 88240

Surrogate: 1-Chlorooctadecane

Analyte

Project: APOLLO CHILI VERDE WATER TRA

Source

Result

%REC

102

49.1-148

Project Number: 18228

Project Manager: LANCE CRENSHAW

Spike

Level

Fax To:

Reported: 29-Jun-23 09:32

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

50.8

Blank (3062109-BLK1)				Prepared & Anal	yzed: 21-Jun-23			
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	46.1		mg/kg	49.6	93.0	48.2-134		
Surrogate: 1-Chlorooctadecane	49.0		mg/kg	50.0	98.0	49.1-148		
LCS (3062109-BS1)				Prepared: 21-Jun	ı-23 Analyzed: 2	2-Jun-23		
GRO C6-C10	172	10.0	mg/kg	200	86.1	78.5-124		
DRO >C10-C28	174	10.0	mg/kg	200	87.1	72.5-126		
Total TPH C6-C28	346	10.0	mg/kg	400	86.6	77.6-123		
Surrogate: 1-Chlorooctane	50.1		mg/kg	49.6	101	48.2-134		
Surrogate: 1-Chlorooctadecane	50.0		mg/kg	50.0	100	49.1-148		
LCS Dup (3062109-BSD1)				Prepared & Anal	yzed: 21-Jun-23			
GRO C6-C10	172	10.0	mg/kg	200	86.0	78.5-124	0.174	17.7
DRO >C10-C28	176	10.0	mg/kg	200	88.0	72.5-126	0.969	21
Total TPH C6-C28	348	10.0	mg/kg	400	87.0	77.6-123	0.402	18.5
Surrogate: 1-Chlorooctane	49.5		mg/kg	49.6	99.9	48.2-134		

mg/kg

50.0

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Celey D. Keene



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 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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 9

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476	1	
ompany Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
roject Manager: LANCE Creshaw	P.O. #:	
ddress: P.O. Box 301	Company: Mew bouge	
ity: Lovington State: NM Zip: 88260	Attn:	
hone #: (575) 396-2378 Fax #: (575) 396-1429	Address:	
roject #: Project Owner: Mcwbawa	City:	
roject Name: Apollo Chili Verde Water Transfer Lin	State: Zip:	Chloride TPH (8015M) STEX (8021B)
roject Location: Apollo Chili lede Water Transa Line	Phone #:	Chloride EX (8015)
ampier Name: VEFF BRUM / GUENTON REYNA	Fax #:	3 x X
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
(6) RAB OR (C) OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: CE / COOL C OTHER:	
L 5P10 111/2 G V	6/20/23 10:29	
2 5P2051/2 G V	6/10/23 10:45	V V V
9		
*St		
u (28) 25		
EASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in co	tract or fort, shall be limited to the amount peld by the client to	the '
alyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in with vice. In no event shall Cardinal be liable for incidental or consequental demages, including without limitation, business interrup	g and received by Cardinal within 38 days alter completion of t	the applicable
eliming dished By: Date: Dat		isult: □ Yes □ No Add'I Phone #:
Delivered By: (Circle One) iampler - UPS - Bus - Other: Time:	Please of the control	email results to pm@etechenv.com. sted Sample customer requested Sample ID depth update shadeigne
	verbal changes. Please fax written	

Received by OCD: 10/18/2024 1:37:49 PM



July 11, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/07/23 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Sampling Date: 07/07/2023

Reported: 07/11/2023

Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

07/07/2023

Sample ID: NW 1 (H233473-01)

Received:

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.10	
Toluene*	<0.050	0.050	07/10/2023	ND	2.09	105	2.00	0.817	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.06	103	2.00	0.836	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.18	103	6.00	0.581	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-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	07/10/2023	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	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 2 (H233473-02)

RTFY 8021R

BIEX 8021B	mg	кg	Analyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.10	
Toluene*	<0.050	0.050	07/10/2023	ND	2.09	105	2.00	0.817	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.06	103	2.00	0.836	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.18	103	6.00	0.581	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



07/07/2023

Cool & Intact

Shalyn Rodriguez

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Reported: 07/11/2023

07/11/2023 Sampling Type: Soil

Sampling Date:

Sampling Condition:

Sample Received By:

Project Name: CHILI VERDE 23/24 FED COM 716 H
Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 3 (H233473-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: Sample Received By: 18228 Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 4 (H233473-04)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-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	07/10/2023	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	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 5 (H233473-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 6 (H233473-06)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 7 (H233473-07)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 8 (H233473-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/10/2023	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	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 9 (H233473-09)

BTEX 8021B

DILX GOZID	11197	- Kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: MS

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 10 (H233473-10)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 11 (H233473-11)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	112	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 12 (H233473-12)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 13 (H233473-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	71.5-13	4						
Chloride, SM4500CI-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	07/10/2023	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	07/10/2023	ND	222	111	200	11.3	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	207	103	200	7.74	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 %	6 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 14 (H233473-14)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	85.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: MC

Received: 07/07/2023

Sampling Date: 07/07/2023

Reported: 07/11/2023 Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Type: Soil

Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 15 (H233473-15)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-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	07/10/2023	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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 16 (H233473-16)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	< 0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	79.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	18						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/07/2023 Reported: 07/11/2023 Sampling Date: 07/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H
Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 1 (H233473-17)

BTEX 8021B

DILX GOZID	ilig/ kg		Analyzea by: 1-15						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	83.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 2 (H233473-18)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	< 0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	< 0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 % 71.5-1.		4						
Chloride, SM4500CI-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	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: EW 3 (H233473-19)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: SW 1 (H233473-20)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	512	16.0	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/07/2023

Sampling Date: 07/07/2023 Sampling Type: Soil

Reported: 07/11/2023
Project Name: CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 2 (H233473-21)

BTEX 8021B

DIEX GOZID	mg/ kg		Analyzed by: 1-15						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.25	112	2.00	1.32	
Toluene*	<0.050	0.050	07/10/2023	ND	2.26	113	2.00	0.251	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.14	107	2.00	1.23	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.62	110	6.00	1.66	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 %	6 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Sampling Date: 07/07/2023

Reported: 07/11/2023

Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H
Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

07/07/2023

Sample ID: SW 3 (H233473-22)

Received:

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116% 71.5-13		4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/10/2023	ND	416	104	400	3.77	
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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: SW 4 (H233473-23)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/10/2023	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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: SW 5 (H233473-24)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	32.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 6 (H233473-25)

BTEX 8021B

	9/	9	7.1.4.7.2	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/10/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 7 (H233473-26)

BTEX 8021B

	9/	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Celeg D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: Sample Received By: 18228 Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 8 (H233473-27)

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	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/10/2023	ND	416	104	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	07/11/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 07/07/2023 Reported: 07/11/2023

07/11/2023 Sam CHILI VERDE 23/24 FED COM 716 H Sam

Project Name: CHILI 'Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sampling Date: 07/07/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 9 (H233473-28)

BTEX 8021B

DILX GOZID	11197	ng .	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 10 (H233473-29)

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	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/10/2023	ND	416	104	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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	6 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/07/2023 Reported: 07/11/2023

07/11/2023 Sampling Type: CHILI VERDE 23/24 FED COM 716 H Sampling Condition:

Project Name: CHILI Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sampling Date: 07/07/2023 Sampling Type: Soil

Sample Received By:

Cool & Intact Shalyn Rodriguez

Sample ID: SW 11 (H233473-30)

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	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-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	07/10/2023	ND	416	104	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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 12 (H233473-31)

BTEX 8021B

	91	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	1.65	
Toluene*	<0.050	0.050	07/10/2023	ND	2.00	100	2.00	0.135	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.13	107	2.00	0.000984	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.41	107	6.00	0.0210	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: MC

Received: 07/07/2023 Reported: 07/11/2023 Sampling Date: 07/07/2023
Sampling Type: Soil

Project Name:

RTFY 8021R

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Number: Project Location: 18228

MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: SW 13 (H233473-32)

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.10	105	2.00	0.557	
Toluene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	1.09	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.623	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.13	102	6.00	0.932	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/10/2023	ND	416	104	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	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/07/2023 Reported: 07/11/2023 Sampling Date: 07/07/2023
Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 14 (H233473-33)

BTEX 8021B

DILX GOZID	iiig/	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.10	105	2.00	0.557	
Toluene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	1.09	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.623	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.13	102	6.00	0.932	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	205	102	200	4.07	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	217	108	200	8.59	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/07/2023 Sampling Date: 07/07/2023

Reported: 07/11/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 15 (H233473-34)

BTEX 8021B

DILX GOZID	11197	ng .	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2023	ND	2.10	105	2.00	0.557	
Toluene*	<0.050	0.050	07/10/2023	ND	2.07	103	2.00	1.09	
Ethylbenzene*	<0.050	0.050	07/10/2023	ND	2.03	101	2.00	0.623	
Total Xylenes*	<0.150	0.150	07/10/2023	ND	6.13	102	6.00	0.932	
Total BTEX	<0.300	0.300	07/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/10/2023	ND	191	95.7	200	2.13	
DRO >C10-C28*	<10.0	10.0	07/10/2023	ND	202	101	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	07/10/2023	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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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 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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Celeg D. Keene

Released to Imaging: 11/4/2024 9:36:57 AM

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: LANC CRUSHGW	P.O. #:	
Address: P.O. Box 301	Company: May Laur P	1
City: Lovington State: NM Zip: 88260	Attn: Jeff Broom	
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address: 4801 Bus pBIVA	
Project #: 1822 8 Project Owner: Make lake in	City Hoh 0.5	
Project Name: Chill Nerde 23/24 Frd Com 7/6 H	State: NM Zip: 88 240	
Project Name: Chill Verde 23/24 fed Com 7/6/4 Project Location: RVVal Carlstand MM Sampler Name: Pominic Casaret	Phone #:	Chloride TPH (8015M) STEX (8021B)
Sampler Name: Panin & Casaret	Fax #:	\(\frac{1}{2} \) \(\frac{1} \) \(\frac{1} \) \(\frac{1}{2} \) \(\frac{1}{2} \
FOR LAB USE ONLY MATRIX		
(G) RAB OR (C) OMP. ** CONTAINERS GROUNDWATER SOIL	ACIDIBASE: ICE / COOL OTHER: ATHER: ATHER:	
DCI NWI CI V	177	
3 NW2 NW3 4 NW4 5 NV5 W NW6 7 NW7		
4 Nw4		
5 NV5		
(0 NW6		
7 NW#		
8 NWB NW9		
io NWIO		
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Similar of successors arming out of or reside to the partomic rot of services instances of Central, To-justices of where such	ine, lose of use, or loss of profile incurred by cliest, its subsidi- ising based upon any of the above stated respons or others	nries, des.
Relinquished By: Date: 7-7 Time: 55 Received By:	Phone R. Fax Resa	ilt: ☐ Yes ☐ No Add'I Fax#:
Relinquished By: Date: Received By: Time:	Please dittion CHECKED BY:	email results to pm@etechenv.com.
Delivered By: (Circle One) - 9.0:) C-0.0: Sampler - UPS - Bus - Other: -9-0: #13 FORM 006	(Initials)	

FORM-006 Revision 1.0

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	(575) 393-2326 FAX (575) 393-2 Etech Environmental & Safety Sok	_	. Inc		_	-	T	_	E	2//	LTO						ANA	LYS	IS F	REO	UES1	r		
Project Manage	and the same of th						P	.0. 1		-	210	1		T		T	T	T	T	T	1	T	1	T
Address: P.O							c	ome	anv:	M	en bou	is					1							
City: Lovingto	on State: NM	Zip	: 882	260							Brow			ě.										1
Phone #: (57	5) 396-2378 Fax #: (575) :	396-1	429				A	ddre	MS: /	18	01 R	5.80												1
Project #: 181	Project Owne	r. Y	non	rha	110	1	C	itv:	Ho	by	15	5p810	-											
Project Name:	Chile Worde 73 DH Fen	Con	7 7	16 1	7		S	tate:	WI	MZ	ip: 89 20	40		N N	B	1								
Project Location	n: Rural Carlshed	N	m					hone		-	· ·		orid	3016	802	1								
Sampler Name:	Chile Verde 23/24 Fee in: Rurz / Carlstad Demin 16 Cash	V	元	_		_	-	ax #	_				Chloride	FPH (8015M)	STEX (8021B)		1							
FOR LAB USE ONLY	200711	T			MATE	RIX	-	-	ESER	IV.	SAMPLI	NG		1	BTI									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OFF.	SLUDGE -	ACID/BASE:	ICE / COOL	QTHER:	DATE	TIME												
Dal	NWII	Z	1		V			T	V	1	7.7		1	V	V	1								
ia	NW11 NW12	1	1		1	1				1	1		1	1	1									
13	NW13											700							T					
134150	NW14	П																						
15	NW15	11			11								1											
16	NWIL		Ш			1				1				1	1	-	-			1				1
18	EWI	11	Ш	1	111	-	-	-		1		-	4	11	1	-	-	-	-	1	-		-	-
18	EW2	11	Ш	1	111	-	-	-		1	1	1	4	11	1	-	-	-	+	-	-		-	-
19	EW3	101	141	-	1	-	+	-	-	+	1		1	1	1	-	-	-	+	+	-	-	-	-
OI FASE NOTE: Limbilly or	SWI ad Darmages, Cardinal's liability and client's coclusive remedy for	T CO	19	a whether	-	n cost	rant or t	wt sho	a ha feel	- I	the amount cal	t in the client for	-						_					
analyses. All claims includi	ng times for regilgence and any offer cause whatsoever shall be arding be lastle for incidental or consequental demages, include	deeme	d waive	od unions	made is	writing	and re	pelved b	by Cardin	nol with	in 30 days afte	r completion of th	e applige	able										
	ng out of or related to the performance of services hereunder by	Cardina	i, regar		whether s								R.	'D Ye		No	TAddy	Phon	a #					
Relinquished B	the 11055	-	8	Pi ed B	00	10	Žį(m	1	2	y	Fax Result REMARKS	t	□ Ye		No	Add							
	Time:						24				-	Diogno -	mail -	roc. M.	ton	mæ	ooho-	W 00						
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FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2	476			1													
Company Name	: Etech Environmental & Safety Solu	tions, Inc.			B	LL TO		. 1				ANA	LYSIS	RE	QUES	T		
Project Manage	- Lanc Crenshaw			P.O.														
Address: P.O	. Box 301			Com	pany: //	New bour	n											
City: Lovingto	on State: NM	Zip: 88260		Atto:	JOA	2 Brong	n											1
	5) 396-2378 Fax #: (575) 3			Addr	ess: 48	ol Lus	-BIVD											
Project #: 182	28 Project Owne	r.Wew boy	n	City:	Hobe	55 MM	BIVA											
Project Name:	28 Project Owner Chile Verde 23/14 Fed Gar	711H		State	: Nm	Zip:882	40		EM)	218				1				
Project Location	: Rural Carlshadam		-	Phor				Chloride	801	(80								
Sampler Name:	Dominis Crassell			Fax t			li i	3	FPH (8015M)	3TEX (8021B)								
FOR LAB USE ONLY			MATRIX	P	RESERV	SAMPL	ING	1	F	100								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER	SOIL Out SLUDGE	OTHER:	ICE / COOL	DATE	TIME											
Dal	5W2	(1)	8		V	7-7		V	V	V								
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97897S	5W7							11	1	1								-
27	5W8		1	1	111			0	1	1	_						-	-
28	SWA	1111	1	-	11	1		H	1	1		-					-	-
29	SWID	1/1/	1	-	111	1	-	1	4		-	-				-	-	-
PLEASE NOTE: Liability an	5w1/ d Damages, Cardinat's liability and olient's exclusive remedy for	any claims arising whether I	maed in contrac	or lost, sh	rall be limited	to the amount o	aid by the client for	14										
analyses. All claims include	ng those for negligence and any other cause whetsoever shall be ardinal be liable for incidental or consequental demages, includin	deemed waived unless m	acte in writing at	d received	by Cardinal	within 30 days at	ter completion of t	he applice	ble									
	no out of or related to the performance of services hereunder by		ether such clair					00.	'O Ye	• 17	No	Addi	Phone :	*				
€n	Time 155	800	dei	gn	u	1	Fax Resu REMARK	lt:	□ Ye		No		Fax#					
Relinquished By		Received By:	= 11	0		0												
Delivered By: Sampler - UPS	(Circle One) _ 9.010.0 Bus - Other: _ 9.01	U : Sam HI3 B	ple Condition Intact Yes - Yes No N		CHECK	(ED BY:	Please e	mail r	esults	to pn	n@el	echen	v.com					

FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

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Released to Imaging: 11/4/2024 9:36:57 AM

ARDINAL LABORATORIES 101 East Mariand, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393-2			
Company Name			BILL TO	ANALYSIS REQUEST
Project Manage	r. Lanc Crenshaw		P.O. #:	
Address: P.O	. Box 301		Company: Mew bourn	
City: Lovingto	on State: NM	Zip: 88260	Attn: Jeff Broom	
Phone #: (57:	5) 396-2378 Fax #: (575):		Address: 4911 Bis P B	361
Project #: /8	228 Project Owne	r. Mewbourn	Attn: Jeff Brown Address: 4411 Bis pu City: Fbbb5	
Project Name:	Rural Carkband	NM	State: N/M Zip: 88240	218 S6M)
Project Location	n: Chile verde 23/24	Fed Com 716 H	Phone #:	H (8015)
Sampler Name:	Rural Carkband n: Chile verde 23/24 Dominil Casare	2	Fax #:	Chloride TPH (8015M) STEX (80218)
FOR LAB USE ONLY		MAIRIX	PRESERV. SAMPLING	F 6
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER: CE/COOL QTHER:	
H233-173	6	(a) (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		MIE
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30	5W13 5W14	C I V		
27	5W15		11/1	
24	37415			
analyses. All claims Includi	nd Damages, Cardinal's liability and offent's exclusive remedy for ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, includir	deemed waired unless made in willing a	nd received by Cardrall within 30 days after compl	lation of the applicable
	ng out of or related to the performance of services hereunder by		n is bened upon any of the above stated reasons o	
	Time Time 155	Sledi		Result:
Relinquished B	y: Date:	Received By:	1	
	Time:		Dia	ase email results to pm@etechenv.com.
Delivered By:	(Circle One) 9.0000	Sample Condi	tion CHECKED BY:	ass one results to pringered letter.com.
	- Bus - Other - 9-6: \$		es (Initials)	
EODM 006				

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July 13, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/10/23 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyand By 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: SW 16 (H233503-01)

DTEV 0021D

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	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	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	384	16.0	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 17 (H233503-02)

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	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/10/2023 Reported: 07/13/2023

Sampling Date: 07/10/2023 Sampling Type: Soil

Project Name:

CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 18 (H233503-03)

BTEX 8021B

	9/	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/12/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	126	% 49.1-14	8						

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Celey D. Keine



Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition:
Project Number: 18228 Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 19 (H233503-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	123	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 20 (H233503-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-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	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	116	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: SW 21 (H233503-06)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-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	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/10/2023 Reported: 07/13/2023 Sampling Date: 07/10/2023 Sampling Type: Soil

Project Name:

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact

Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 22 (H233503-07)

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	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	160	16.0	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	125	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Coo

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 23 (H233503-08)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/12/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/10/2023

Sampling Date: 07/10/2023

Reported: Project Name: 07/13/2023 CHILI VERDE 23/24 FED COM 716 H Sampling Type: Soil

Project Number: 18228 Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 24 (H233503-09)

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	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	130 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 9	6 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 25 (H233503-10)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	119	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 18228 Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 17 (H233503-11)

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	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	<16.0	16.0	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	120 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129 9	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 18 (H233503-12)

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	07/12/2023	ND	1.89	94.3	2.00	8.57	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	7.48	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	1.99	99.5	2.00	6.28	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.01	100	6.00	7.34	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/12/2023	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	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 19 (H233503-13)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Alldiyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	132 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142 9	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 20 (H233503-14)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2023	ND	201	100	200	4.46	
DRO >C10-C28*	<10.0	10.0	07/11/2023	ND	190	95.2	200	5.82	
EXT DRO >C28-C36	<10.0	10.0	07/11/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 21 (H233503-15)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	16.0	16.0	07/12/2023	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*	<10.0	10.0	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 22 (H233503-16)

BTEX 8021B

	9/	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 23 (H233503-17)

BTEX 8021B

	9/	9	7	7: 5::,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	149	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 24 (H233503-18)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	137	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/10/2023 Sampling Date: 07/10/2023

Reported: 07/13/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Tamara Oldaker Project Number: 18228 Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 25 (H233503-19)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/12/2023	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*	<10.0	10.0	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					
Surrogate: 1-Chlorooctane	127 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	146	% 49.1-14	8						

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Celey D. Keine



Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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Celeg & Keene

Released to Imaging: 11/4/2024 9:36:57 AM

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 89240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environmental & Safety Sol		BILL TO	ANALYSIS REQUEST
Project Manager	Lanc Creushaw		P.O. #:	
Address: P.O.	Box 301		Company: Me Woven	
City: Lovingto	n State: NM	Zip: 88260	Attn: Jeff Broom Address: 480 Bus plant City: Hobbs	
Phone #: (575	i) 396-2378 Fax #: (575)	396-1429	Address: 4801 But aBled	
Project #: / 9 2	28 Project Own	or. Mewbourn	City: Hololos	
Project Name:	Chile verde 23/24 fe	1 Com 716 H	State: N/h Zip:	118 SW
Project Location	: Royal Carls bas	Win	Phone #:	Chloride TPH (8015M) 3TEX (80218
Sampler Name:	- Rural Carls bad Dominic Casava	7	Fax #:	K H X
FOR LAB USE ONLY	por mile control	MATRIX	PRESERV. SAMPLING	F E
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	ACID/BASE: ICE / COOL THER:	
DC /	5W16	CIV	7-10	
2	3W17	CI		
3	5W18	CI		
4	SW 19	CI		
5	SW 20	CII		
6	5421	CI		
7	5W22	CII		
8	5W23	CII		
9	\$w24	CI		
10	SW 25	(1)		Wyo
analyses. All claims includin	d Damages, Cardinal's liability and client's exclusive remedy for g those for negligence and any other cause wheteoever shall b	e deemed waived unless made in writing a	and received by Cardinal within 30 days after completion of th	applicable
affiliates or successors arism	rdinal be limble for incidental or consequental damages, including out of or related to the performance of services hereunder by	Cardinal, regardless of whether such dis	m is based upon any of the above stated ressorts or otherwis	
Relinquished By	Time: 1-10		Phone Rei Fax Result REMARKS	: 🗆 Yes 🗆 No Add'i Fax#:
Relinquished By	Date:	Received By:		
	Time:	all delications of the second	Please or	nail results to pm@etechenv.com.
Delivered By:	(Circle One)	#140 Sample Cond	ition CHECKED BY:	round to pringeoverious, out;
Sampler - UPS	- Bus - Other: 3.4°	Cool Intact Ves Y	as (initials)	
	01.40	□ No □ I	to /	

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

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name		FAX (575) 393-24 ental & Safety Solut		Inc.				T		B	IL	L TO						ANA	LYSI	S RE	QUE	ST			
Project Manage	r. D Lanc	Crenshaw						P.	0. #:																
Address: P.O	. Box 301							Co	mpa	iny:	M	ento	in												
City: Lovingto	on	State: NM	Zip:	882	60			At	tn: 🤇	50	ff	Brok	eBlvd												
Phone #: (57		Fax #: (575) 3						Ad	Idre	s: L	181	(Bos)	oBlVd												
Project #: 18 7	28	Project Owner	· M	PHE	WY	^		Cit	ty:	11/	U	5				_								- 1	
Project Name:	Child Verde 1	Project Owner 23/24 Fed C	ain	71	6 1	+		St	ate:	Ny	1 zi	ip:			TPH (8015M)	BTEX (8021B)								- 1	
Project Location	n: Rural	Consbad	N	n				Ph	one	#:				Chloride	801	80									
Sampler Name:	Domin.2	Cesvel						Fa	x#:					5	F	X			1						
FOR LAB USE ONLY						MATI	RIX		PRE	SER	V.	SAMPLI	NG		F	- E									
Lab I.D.	Sample	1.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE		ACID/BASE:	ICE/COOL	S LES	DATE	TIME			/	/								
DC 11	NW17		4	1		1				V		1-10		V	V	V									
16	WW 18		<	1		1	1					1		1	1	1									
10	NW 19		(1						1	1	1		\perp		11				_	_	\vdash		_	
14	NW 20		C	1	1	11	-	9		1	1			1	1	11	-	-	-					-	
- 75	NW ZI		C	-	-	1	-	-		1	+	-		1	\vdash	1	-	-	-	-	-		-	-	
16	NW CL		0	1	+	H	_	+		+	+	-		\mapsto	+	1	+	-	-	-	-	-	-	-	
17	NW 25		0	1	+	-	+	+		1	+	-		\vdash	-	11	-	-	-	-	-		-	-	
1/2	NW 29		6	-	+		+	-	Н	1	+	1,		1	1	11	-	-	-	-	-	\vdash	-	-+	
17	NW D		4		+	3/	+	+		1	+	4		V	4	1	+	+	-	-	-	\vdash	-	-	
PLEASE NOTE: Liability as	nd Darnages, Cardinal's liability an	d client's exclusive remedy for a	ry claim	arising	whether	based it	contrac	ct or tor	t, shall	be fimb	ed to th	e amount peid	by the client for	the			_						_	_	
analyses. All claims includi service. In no event shall C	ng those for negligence and any o archet be lieble for incidentel or o	ther cause whatsouver shall be a consequential demages, including	in erned	walved	unious p on, busin	made in	wiling a	nd rece	sheed by	Cuidle		n 30 daya alku	r completion of the Best, its extraction	ho appliva dos,	kito										
Relinquished B	ng out of or related to the perform:	ance discountry and the same an	Re	-	(B)				-	120	1	11	hone Re	sult:	□ Ye	rs E	No	Add¶	Phone	#:					
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Relinquished B	y:	-		-	29	-					-														
		Time:											ease e	mail r	esult	s to p	m@el	echen	v.con	n.					
Delivered By:	(Circle One)		17.5	0	Sec	ngia d	2	>	- 1	OE:	Æ	195													
Sampler - UPS	- Bus - Other:	2.4€			13	~	1	-		-	D														
January - OFS	- 546 - Vuidi.	246			Ŭ	No	Ōκ	io.		7	-	-			_										

FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM



July 19, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/13/23 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/13/2023 Reported: 07/19/2023

CHILI VERDE 23/24 FED COM 716 H

Project Name: CHILI Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sampling Date: 07/13/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: SW 26 (H233631-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/17/2023	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	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 27 (H233631-02)

BTEX 8021B

DILX GOZID	11197	- Kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/17/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 1 (H233631-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/17/2023	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.4	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: WW 2 (H233631-04)

BTEX 8021B

DILX GOZID	11197	- Kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/17/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 4 (H233631-05)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/17/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: MS

Fax To:

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/19/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 26 (H233631-06)

BTEX 8021B

DILX GOZID	11197	K9	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/17/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	74.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/19/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Project Number: 18228 Shalyn Rodriguez

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 27 (H233631-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-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	07/17/2023	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	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	81.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.2	% 49.1-14	8						

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Shalyn Rodriguez

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: MS

Fax To:

Received: 07/13/2023 Sampling Date: 07/13/2023

Reported: 07/19/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition:
Project Number: 18228 Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 28 (H233631-08)

BTEX 8021B

DILX GOZID	iiig/	- Kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/17/2023	ND	2.16	108	2.00	3.72	
Toluene*	<0.050	0.050	07/17/2023	ND	2.12	106	2.00	3.81	
Ethylbenzene*	<0.050	0.050	07/17/2023	ND	2.07	104	2.00	4.07	
Total Xylenes*	<0.150	0.150	07/17/2023	ND	6.26	104	6.00	4.49	
Total BTEX	<0.300	0.300	07/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/17/2023	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/17/2023	ND	207	103	200	0.258	
DRO >C10-C28*	<10.0	10.0	07/17/2023	ND	205	103	200	1.45	
EXT DRO >C28-C36	<10.0	10.0	07/17/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

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Celey D. Keine



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 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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Celey D. Keene

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environmental & Safety Solu	_	s, In	C.			T			BIL	L TO						-	MA	YSI	SR	EQU	EST			
Project Manage	r. Lanc Crenshaw						F	.0.	l:						T	T					T	T		T	T
Address: P.O							C	omj	any	·M	evoo	cn	1									1			
City: Lovingto	on State: NM	Zlp	: 88	260			1	kttn:	J	et	F Brown	Blyd		A		1									
	5) 396-2378 Fax #: (575):						1	ddre	55:	ile	11 Rue	oBlud	1									1			
Project #: /8	228 Project Owne	r. /	MA	WK	nue	h	0	lity:	1-11	44	26		1		-										
Project Name:	Chile Verde 23/24 6	210	an	71	6 H	1	1 5	tate	NI	N.	Zip:88%	240		SM)	1 2						1				
Project Location	n: Ruval Carlshad	/	21	9			F	hon					Chloride	801	0	00	1								
Sampler Name:	Chile Verde 28 144 Form: Rural Carls bad Dominic Ca	56	ve	Z			F	ax#				3	3	TPH (8015M)	DTEV (8034B)	1									
FOR LAB USE ONLY		T	T		MA	TRIX		PR	ESE	RV.	SAMPL	NG	1	1	a	0									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	CONTAINERS	GROUNDWATER	WASTEWATER	Jing I	SLUDGE	ACID/BASE:	ICE / COOL	дунея:	DATE	THME	1												
DCI	SW26	C	1					T	1		7-13		V	V	10										
2	SW27	C	11		i				1		L		1	1		1									
3	WWI	C	1																						
4	WWZ	C	1		1		1		1					1											
5	ENY	C	1		1		1	-	1		1		11	11	11	-	_			_	-	-	-	-	-
4	NW26	C	11	1				-	11	1			11	1	11	-				-	1	-	-	-	-
7	NW27	C	10	-	1		-	1	14		1		11.		1	1	-			-	+	-	-	-	-
8	N W 28	C	10	1	V	11	-	-	A		-		A	g	1	-	-			-	+-	+	-	-	-
-		+	-	\vdash	+	-	+	-	-			-	-	1	+	+	-		-	-	+	+-	+-	+-	+-
analyses, Ali claims indudes on/ice. In no series shall California shall c	7.13:23 Time: 1024	Re	d well ut limit regarded	wed E	whether by:	in writing depresalt	dition	colved to a cf use, seemed up	or loss or loss oon arr	and property of the	thin 30 days all the incurred by above stated re	or completion of t	to applica vios, inc. iscult: it: 5:	O Y	08	D N	0	Add'1							

FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



July 24, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/17/23 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/17/2023 Reported: 07/24/2023

07/24/2023 Sampling Type: CHILI VERDE 23/24 FED COM 716 H Sampling Condition:

A ... - I. ... - d D. ... 311 /

Project Name: CHILI V Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sampling Type: Soil
Sampling Condition: Cool & Intact

Sampling Date:

Sample Received By:

Tamara Oldaker

07/17/2023

Sample ID: SW 28 (H233699-01)

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	07/21/2023	ND	2.04	102	2.00	4.61	
Toluene*	<0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-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	07/19/2023	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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	73.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 1H /

Sampling Date:

07/17/2023

Reported: Project Name: 07/17/2023 07/24/2023

Sampling Type:

Soil

Received:

RTFY 8021R

CHILI VERDE 23/24 FED COM 716 H

ma/ka

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location: 18228

MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 29 (H233699-02)

Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD	BIEX 8021B	mg,	/ kg	Anaiyze	ea By: JH/					
Toluene* < 0.050 0.050 07/21/2023 ND 1.96 97.9 2.00 3.50 Ethylbenzene* < 0.050 0.050 07/21/2023 ND 2.12 106 2.00 3.59 Total Xylenes* < 0.150 0.150 07/21/2023 ND 6.41 107 6.00 3.56 Total BTEX < 0.300 0.300 07/21/2023 ND 6.41 107 6.00 3.56 Total BTEX < 0.300 0.300 07/21/2023 ND 5.20 Surrogate: 4-Bromofluorobenzene (PID 115 % 71.5-134 Total BTEX	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Ethylbenzene* <0.050 0.050 07/21/2023 ND 2.12 106 2.00 3.59 Total Xylenes* <0.150 0.150 07/21/2023 ND 6.41 107 6.00 3.56 Total BTEX <0.300 0.300 0.7/21/2023 ND Surrogate: 4-Bromofluorobenzene (PID 115 % 71.5-134 Chloride, SM4500Cl-B mg/ks Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride <16.0 16.0 07/19/2023 ND 416 104 400 3.77 TPH 8015M mg/ks Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 07/20/2023 ND 171 85.7 200 8.86 DRO >C10-C28* <10.0 10.0 07/20/2023 ND 225 112 200 26.7 EXT DRO >C28-C36 <10.0 10.0 07/20/2023 ND Surrogate: 1-Chlorooctane 76.0 % 48.2-134	Benzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	4.61	
Total Xylenes* <0.150 0.150 07/21/2023 ND 6.41 107 6.00 3.56 Total BTEX <0.300	Toluene*	< 0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Total BTEX <0.300 0.300 07/21/2023 ND Surrogate: 4-Bromofluorobenzene (PID 115 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: AC Analyte Result Reporting Limit Analyzed By: AC Chloride <16.0	Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Surrogate: 4-Bromofluorobenzene (PID 115 % 71.5-134 Chloride, SM4500Cl-B mg/ky Analyzed By: AC BS % Recovery True Value QC RPD Chloride <16.0	Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Nethod Blank BS Recovery True Value QC RPD Chloride <16.0 16.0 07/19/2023 ND 416 104 400 3.77	Total BTEX	<0.300	0.300	07/21/2023	ND					
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Chloride <16.0 16.0 07/19/2023 ND 416 104 400 3.77 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0 10.0 07/20/2023 ND 171 85.7 200 8.86 DRO >C10-C28* <10.0 10.0 07/20/2023 ND 225 112 200 26.7 EXT DRO >C28-C36 <10.0 10.0 07/20/2023 ND Surrogate: 1-Chlorooctane 76.0 % 48.2-134	Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride <16.0 16.0 07/19/2023 ND 416 104 400 3.77 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD GRO C6-C10* <10.0	Chloride	<16.0	16.0	07/19/2023	ND	416	104	400	3.77	
GRO C6-C10* <10.0 10.0 07/20/2023 ND 171 85.7 200 8.86 DRO >C10-C28* <10.0 10.0 07/20/2023 ND 225 112 200 26.7 EXT DRO >C28-C36 <10.0 10.0 07/20/2023 ND Surrogate: 1-Chlorooctane 76.0 % 48.2-134	TPH 8015M	mg	/kg	Analyze	ed By: MS					
DRO >C10-C28* < 10.0 10.0 07/20/2023 ND 225 112 200 26.7 EXT DRO >C28-C36 <10.0 10.0 07/20/2023 ND Surrogate: 1-Chlorooctane 76.0 % 48.2-134	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
EXT DRO >C28-C36 <10.0 10.0 07/20/2023 ND Surrogate: 1-Chlorooctane 76.0 % 48.2-134	GRO C6-C10*	<10.0	10.0	07/20/2023	ND	171	85.7	200	8.86	
Surrogate: 1-Chlorooctane 76.0 % 48.2-134	DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
	EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148	Surrogate: 1-Chlorooctane	76.0	% 48.2-13	4						
	Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 30 (H233699-03)

BTEX 8021B

	9/	9	7	1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	4.61	
Toluene*	<0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-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	07/19/2023	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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 31 (H233699-04)

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	07/21/2023	ND	2.04	102	2.00	4.61	
Toluene*	<0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-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	07/19/2023	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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	71.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.5	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Reported: 07/24/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM Sampling Date: 07/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: SW 32 (H233699-05)

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	07/21/2023	ND	2.04	102	2.00	4.61	
Toluene*	<0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-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	07/19/2023	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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil Cool & Intact

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Project Number: 18228 Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 33 (H233699-06)

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	07/21/2023	ND	2.04	102	2.00	4.61	
Toluene*	<0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	71.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 34 (H233699-07)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	4.61	
Toluene*	<0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 29 (H233699-08)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	2.04	102	2.00	4.61	
Toluene*	<0.050	0.050	07/21/2023	ND	1.96	97.9	2.00	3.50	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	2.12	106	2.00	3.59	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	6.41	107	6.00	3.56	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/17/2023 Reported: 07/24/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM Sampling Date: 07/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Tamara Oldaker Sample Received By:

Sample ID: NW 30 (H233699-09)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/19/2023	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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	69.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 31 (H233699-10)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500CI-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	07/19/2023	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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	66.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.9	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Ιαλ

Received: 07/17/2023 Reported: 07/24/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sampling Date: 07/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NW 32 (H233699-11)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/17/2023 Reported: 07/24/2023

Sampling Date: 07/17/2023 Sampling Type: Soil

Project Name: Project Number:

CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 33 (H233699-12)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/19/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/17/2023 Reported: 07/24/2023 Sampling Date: 07/17/2023 Sampling Type: Soil

Project Name:

BTEX 8021B

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 5 (H233699-13)

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2023	ND	416	104	400	3.77	
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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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Celeg D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/17/2023 Reported: 07/24/2023 Sampling Date: 07/17/2023
Sampling Type: Soil

Project Name:

BTEX 8021B

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact

Project Number: 18228

Sample Received By:

Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 6 (H233699-14)

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/19/2023	ND	416	104	400	3.77	
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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/17/2023 Reported: 07/24/2023 Sampling Date: 07/17/2023
Sampling Type: Soil

Project Name:

BTEX 8021B

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact

Project Number: 18228

Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 7 (H233699-15)

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/19/2023	ND	416	104	400	3.77	
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	07/20/2023	ND	171	85.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	225	112	200	26.7	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: EW 8 (H233699-16)

RTFY 8021R

BIEX 8021B	mg/	ку	Allalyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 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	288	16.0	07/19/2023	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	07/20/2023	ND	172	86.2	200	1.11	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	177	88.4	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	56.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.2	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 3 (H233699-17)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/19/2023	ND	416	104	400	3.77	
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	07/20/2023	ND	172	86.2	200	1.11	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	177	88.4	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	53.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	60.5	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 4 (H233699-18)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/19/2023	ND	416	104	400	3.77	
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	07/20/2023	ND	172	86.2	200	1.11	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	177	88.4	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	55.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/17/2023 Reported: 07/24/2023

 07/17/2023
 Sampling Date:
 07/17/2023

 07/24/2023
 Sampling Type:
 Soil

Project Name: CHILI Project Number: 18228

CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: WW 5 (H233699-19)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/19/2023	ND	416	104	400	3.77	
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	07/20/2023	ND	172	86.2	200	1.11	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	177	88.4	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	54.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.5	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/17/2023 Sampling Date: 07/17/2023

Reported: 07/24/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 6 (H233699-20)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/21/2023	ND	1.95	97.3	2.00	4.32	
Toluene*	<0.050	0.050	07/21/2023	ND	1.85	92.7	2.00	6.30	
Ethylbenzene*	<0.050	0.050	07/21/2023	ND	1.97	98.4	2.00	3.77	
Total Xylenes*	<0.150	0.150	07/21/2023	ND	5.91	98.6	6.00	5.34	
Total BTEX	<0.300	0.300	07/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 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	16.0	16.0	07/19/2023	ND	416	104	400	3.77	
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	07/20/2023	ND	172	86.2	200	1.11	
DRO >C10-C28*	<10.0	10.0	07/20/2023	ND	177	88.4	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	07/20/2023	ND					
Surrogate: 1-Chlorooctane	56.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.3	% 49.1-14	0						

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Celey D. Keine



Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

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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Celeg & Keene

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	Etech Environmental & Safety Solut	ions,	Inc.				T		-	BIL	LL TO						ANALY	SIS R	EQUEST	
Project Manage	r. Lune Crenchar						F	2.0.	_							T	T			
Address: P.O	. Box 301						0	omi	pany:	n	1ewbow	ra	1							
City: Lovingto	on State: NM	Zip:	882	60			1	Attn:	5	ef	+ Bro	1200	1							
Phone #: (579	5) 396-2378 Fax #: (575) 3	96-14	129			-	1	ddn	088-6	160	i bispi	2/11	1						1 1 1	
Project #: 82	78 Project Owner	:M	1011	lai	10		1	Her	Hol	200	1 Pospi	N'A	1							
Project Name:	Chile Verde 23/24 fed Co	un -	71	1 1	4						Zip: 9821	11 h		3	<u>B</u>	-				
Project Location	Chile Perce 25/14 FEB C		1.	0 1		-	- 1	hon		1	Zib: 820	70	Chloride	TPH (8015M)	STEX (8021B)					
Campior Name:	Dominia Casarez	_					-	ax #		_			울	8	×	1				
FOR LAB USE ONLY	DIMINIC CASCIPET		1		MAT	RIX	- Ir	-	RESE	RVI	SAMPLI	NG	0	喜	E					
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		(C)OMP	RS	GROUNDWATER			1		1	4	14.91									
Lab I.D.	Sample I.D.	SR (# CONTAINERS	SROUNDWATE				Ü	o											
		AB (L	TEV			DGE	AB/	8	ER)								
4233699		(G)RAB	00 #	GRO	SOIL	ま	SLUDGE	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	Y			-				
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3	5W30																			
4	Sw31	Ш											1							
5	Sw 32	Ш			1															
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	5w34	Ш	11						1	_										
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analyses. All claims includi	d Damagei. Cardinal's liability and clients excitusive remedy for an g those for negligence and any other cause whatsoever shall be actined be liable for incidented or consequental damages, including agoul of or related to the performance of services hereunder by C	deemed	warved	i unions	made in	writing	and re	Devisor	by Cardi	and a	Inin 39 days after	r completion of t	he applica	pie	15	- 6	2			
Relinquished By	ng out of or related to the performance of services hereunder by C	artinal,	regard	ed By	hether	uch di	aim is t	mesed u	pon any	of the	above stated re-	Phone Re	ie.	□ Ye	-	No	Add'I Pho			
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Janipier - OF 3	7,00			Ī	No		No		V					,						

FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Released to Imaging: 11/4/2024 9:36:57 AM

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environmental & Safety Solut		BILL TO			ANALYSIS REQUEST
Project Manage	r. Lanc Crenghen		P.O. #:			
Address: P.O			Company MENDONM			
City: Lovingto	on State: NM	Zip: 88260	Attn: Jeff Broom			
Phone #: (57:	5) 396-2378 Fax #: (575) 3	96-1429	Address: 400 bus p Blut	, 14		
Project #: 182	2P) Project Owner	Mewbourn	City: Holohs			
	Chile Verde 23/24 fed Co	m716H	State: NM Zip:881Ud		TPH (8015M) BTEX (8021B)	
Project Location	n: Rural Carlsber		Phone #:	Chloride	TPH (8015M)	
Sampler Name:	7		Fax #:	흥	T X	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		F E	
Lab I.D. H233199	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL SILUDGE				
Di 11	NW3Z	CIV	7-17	V	VV	
12	NW33				11	
13	OEW5					
14	EW6					
15	EWT					
14	EW8					
17	WW3					
18	WW4					
19	WW 5			1/		
ZU	WW6			V	7 2	
analyses. All claims includi	nd Damages. Cardinat's liability and client's exclusive remedy for a rig those for negligence and any other cause whatsoever shall be	deemed waived unless made in writing an	d received by Cardinal within 30 days after completion of the	re applicable		
affiliates or successors arise	ardinal be liable for incidental or consequental damages, including ng out of or related to the performance of services hereunder by C	Cardinal, regardless of whether such claim	is based upon any of the above stated reasons or otherwis	ie,		
Relinquished B	Principle Timey (2)	Received By:	Phone Re Fax Resul REMARKS	t: C		□ No Add'l Phone #: □ No Add'l Fax #:
Relinquished B	y: Date:	Received By:				
	Time:		Please e	mail re	sults to p	om@etechenv.com.
Delivered By	(Circle One)	Sample Condit	ion CHECKED BY:		се р	
Sampler - UPS	- Bus - Other: 4.06	Cool Intact	8 000			
FORM OOC						000 0470

FORM-006 Revision 1.0

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



July 26, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/20/23 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

A ... - L ... - - - I D. .. MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: NW 34 (H233801-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500CI-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	07/25/2023	ND	416	104	400	3.92	
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	07/25/2023	ND	207	104	200	3.25	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	208	104	200	3.17	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 35 (H233801-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	QM-07
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 36 (H233801-03)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	92.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 37 (H233801-04)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 38 (H233801-05)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 39 (H233801-06)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 40 (H233801-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	112	16.0	07/25/2023	ND	416	104	400	3.92	
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	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/20/2023 Reported: 07/26/2023 Sampling Date: 07/20/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H
Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 35 (H233801-08)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/20/2023 Reported:

Sampling Date: 07/20/2023 07/26/2023 Sampling Type: Soil

Project Name: Project Number:

CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 36 (H233801-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	< 0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	6 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	07/25/2023	ND	416	104	400	3.92	
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	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 37 (H233801-10)

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/20/2023 Reported: 07/26/2023 Sampling Date: 07/20/2023 Sampling Type: Soil

Project Name:

BTEX 8021B

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact

Project Number:

18228

mg/kg

Sample Received By:

Tamara Oldaker

Project Location:

MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 39 (H233801-12)

DILX GOZID	mg/	ng .	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/20/2023 Reported:

Sampling Date: 07/20/2023 07/26/2023 Sampling Type: Soil CHILI VERDE 23/24 FED COM 716 H

Project Name: Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: EW 9 (H233801-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	< 0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	< 0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	6 71.5-13	4						
Chloride, SM4500CI-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	07/25/2023	ND	416	104	400	3.92	
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	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	85.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: MS

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 10 (H233801-14)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/20/2023 Sampling Date: 07/20/2023

Reported: 07/26/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 11 (H233801-15)

BTEX 8021B

DILX GOZID	11197	K9	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	2.04	102	2.00	3.97	
Toluene*	<0.050	0.050	07/26/2023	ND	2.10	105	2.00	0.816	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	2.09	105	2.00	1.35	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	6.20	103	6.00	1.99	
Total BTEX	<0.300	0.300	07/26/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/25/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 07/20/2023 Reported: 07/26/2023 Sampling Date: 07/20/2023
Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H
Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 7 (H233801-16)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2023	ND	1.88	93.9	2.00	0.911	
Toluene*	<0.050	0.050	07/25/2023	ND	2.01	101	2.00	2.79	
Ethylbenzene*	<0.050	0.050	07/25/2023	ND	2.05	103	2.00	2.02	
Total Xylenes*	<0.150	0.150	07/25/2023	ND	6.14	102	6.00	2.81	
Total BTEX	<0.300	0.300	07/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 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	07/25/2023	ND	416	104	400	3.92	
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	07/25/2023	ND	204	102	200	3.69	
DRO >C10-C28*	<10.0	10.0	07/25/2023	ND	196	97.9	200	8.88	
EXT DRO >C28-C36	<10.0	10.0	07/25/2023	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celley & Keine



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 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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Celeg D. Keene

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	: Etech Environmental & Safety Solu		, Inc	C.					811	L TO						ANAL	YSIS	REQL	JEST			
Project Manage	r. Lanc Crenshaw						P.O.	#:						T						I		
Address: P.O). Box 301						Com	pany	: U	rewb	ourn											
City: Lovingto	on State: NM	Zip:	88	260			Attn:	7	01	FBO	ou											
Phone #: (57	5) 396-2378 Fax #: (575)	396-1	429)			Add	1988	40	2/12	-21											
Project #: 18		r.W	10	Market	110	\exists	City	4	Vis	2	SPAN			-								
Project Name:	Chile Verde 23/14 fed	-	-	7//	4		State	·N	Se .	35 Zip: 89	1240		2	1 6								
Project Location	on Person Corcle	1	4	116	-			ne #:	7	Cip. U -	10	흔	016	802								
Sampler Name:		200		~	. 2		Fax					Chloride	TPH (8015M)	3TEX (8021B)								
FOR LAB USE ONLY	2007:0-6	7	5	1 2	MATR	IX	_	RESE	RV	SAMPLI	NG	0	T T	1 2								
	Samula I D	COMP.	VERS			4																
Lab I.D.	Sample I.D.	(G)RAB OR	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME											
12 I	NW34	C	1		V		Т	V		7-20		L	V	1								
2.	NW34 NW35	1	1		1			1		1		1	1	1								
15	NV36																					
i.i	NW37																					
5	NW37 NW38	17																				
6	NW40								1													
7	NW40	Π	П							1												
8	5435													П								
9	5436	1								1			4	П								
10		1	7		1			A		7		4	N	1								
analyses, All claims includes service, in no event shall Conflictes or euccessors and Relinquished B	Diamages. Cardinal's liability and client's exclusive remedy for ing those for negligence and any other cause whatleoover shall be readined be liable for incidental or consequented demanges, including out of or related to the performance of nervices herounder by Y. Time:	deemed g withou Gardinal Red	t fresh	red union monitor, business of whe	nde in wi se interv	iling and plions, lo	received es of un	i by Caro e, or loss	Sinal will a of pho	hin 30 days after the incurred by a	r completion of th Best, its expectan	o appleo ios, io. Built C	' Y		□ No	Add'l P			,		_	
Relinquished B		Re	ceiv	ved By:		-			1		Please e	mail r	esult	s to	om@	etechenv	.com.					
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FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (675) 393 2335 EAV (675) 393 2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	(575) 393-2326 FAX (_	nc.	_	_	T		-	BIL	L TO		-	_			ANA	LYS	IS R	EQUI	EST	_		
Project Manager	- Lane Crene	shaw					P	.0.#											T	T	T			
Address: P.O.							C	omp	any:	m	Wary	n					1					1 1		
City: Lovingto	n St	ate: NM Z	ip: 8	8260			A	ttn:	5	194	F Bres	n	-											
Phone #: (575	i) 396-2378 Fa	x #: (575) 396	-142	9			A	ddre	85 :	do	al Ru	n Bha												
Project #: 18 2	28 Pr	oject Owner:	ME	Mai	irn		C	ity:	Ho	100	5	715												
Project Name:	Chilollerao 8.	23/24 tex C	מים	716			S	tate:	AN	M Z	Zip\$824	60		2	1									
Project Location	Chile Verde & Rural Carl Dom: 1: Co	sha	-	1.0				hone			7.0	0	Chloride	TPH (8015M)	BTEX (8021B)			11						
Sampler Name:	Dom: 1'/ Ca	54 (12					-	ax #:					Ĕ	I	X	1								
FOR LAB USE ONLY	10011.114	- T	T	T	MA	TRIX	_	_	ESE	RV.	SAMPLI	NG	_	1	F									
Lab I.D.	Sample I.D.		(G)KAB OR (C)OMP	GROUNDWATER	WASTEWATER	ZÓ.	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	119-1			7								
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13	EW9									1												3	1201	23
14	EWLO											. 1							7					
15	EWII		ſ,		1		1		1,	1	1		11,	1	11				_	-				
16	WW7		1		-	H	+		Ψ	+	4		V	W	8			-	+-	+	+		-	-
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		-	+	+	+	H	-	\vdash					_	-		-	-	-	+	+	+-	-		
analyses. All claims including	d Damages, Cardinat's liability and client's or ig those for negligence and any other cause	whateoever shell be dee	med w	aved unler	e made i	n writing	and rec	rebred by	y Card		hin 30 days alte	r completion of the	no applica	ble										
pervice. In no event shall Co afficuses or eucosesors artis Relinquished By	rdinal be liable for incidental or consequents ag out of or related to the performance of ser C: Di	vices hereunder by Card	lost, re	arden o	whether	such d	inn, lone laim is ta	at use, i	on any	of the	above stated re	asons or otherwice Phone Res	10,	☐ Ye	s C	No	Add	Phone	o #:			_		_
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Sampler - UPS	- Bus - Other:	8:			Z No	8	NU	0	Y	0														

FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

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July 28, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/21/23 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/21/2023 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 38 (H233838-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15	
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97	
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49	
Total BTEX	<0.300	0.300	07/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 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	96.0	16.0	07/26/2023	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*	<10.0	10.0	07/26/2023	ND	188	93.8	200	22.3	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	196	97.8	200	0.534	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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Celeg D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/21/2023 Sampling Date: 07/21/2023 Soil

Reported: 07/28/2023 Sampling Type: Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 8 (H233838-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15	
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97	
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49	
Total BTEX	<0.300	0.300	07/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/26/2023	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*	<10.0	10.0	07/26/2023	ND	160	80.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	163	81.4	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					
Surrogate: 1-Chlorooctane	84.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.0	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/21/2023 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 41 (H233838-03)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15	
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97	
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49	
Total BTEX	<0.300	0.300	07/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	160	80.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	163	81.4	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/21/2023 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 9 (H233838-04)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15	
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97	
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49	
Total BTEX	<0.300	0.300	07/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-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	07/26/2023	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*	<10.0	10.0	07/26/2023	ND	160	80.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	163	81.4	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					
Surrogate: 1-Chlorooctane	84.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.9	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/21/2023 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 42 (H233838-05)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15	
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25	
Ethylbenzene*	<0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97	
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49	
Total BTEX	<0.300	0.300	07/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	160	80.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	163	81.4	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					
Surrogate: 1-Chlorooctane	75.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.1	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/21/2023 Sampling Date: 07/21/2023

Reported: 07/28/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 10 (H233838-06)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2023	ND	2.06	103	2.00	2.15	
Toluene*	<0.050	0.050	07/28/2023	ND	1.98	98.9	2.00	5.25	
Ethylbenzene*	< 0.050	0.050	07/28/2023	ND	2.04	102	2.00	4.97	
Total Xylenes*	<0.150	0.150	07/28/2023	ND	6.12	102	6.00	4.49	
Total BTEX	<0.300	0.300	07/28/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2023	ND	416	104	400	3.77	
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	07/26/2023	ND	160	80.1	200	1.32	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	163	81.4	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					
Surrogate: 1-Chlorooctane	85.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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Notes and Definitions

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.

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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Celey D. Keens

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: 1 ance Crenchel	P.O. #:	
Address: P.O. Box 301	Company: M.O. I brown	
City: Lovington State: NM Zip: 88260	Attn: Telf Broom	
Phone #: (575) 396-2378 Fax #: (575) 396-1429	Address: Ugol Bus p HV	
Project #: 19729 Project Owner: Mewbour	Company: May bou'v Attn: Telf Broom Address: 480/ Bls p Blv City: Hob'95 Nm H State: Nm Zip: 44240	
Project Name: Chile Velde 73/14 Cod Com 716	H State: Nm Zip: 44240	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Project Location: Rud M (ws/5 baz N/M	Phone #:	801 801
Project #: 18729 Project Owner: MeMbour Project Name: Chile Verde 23/24 Ped Com 716 Project Location: Ruf M (WS) bad, N/M Sampler Name: Down ATC (LSG/C)	Fax #:	Chloride TPH (8015M) BTEX (8021B)
FOR LAB USE ONLY	ATRIX PRESERV SAMPLING	
#CONTAINERS GROUNDWATER WASTEWATER	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER	
7 / 6W38 CII	1 7-21	
2 WV 8		
3 NW41		
4 6/6/1		
5 NWW2		
6 MMID AA	4 1	
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analyses. All claims including those for negligance and any other cause whatmoever shall be deemed waived unless service. In no event shall Cardinal be listed for incidental or consequential damages, including without limitation, business.	in writing and received by Cardinal within 30 days after completion of th	no applicable
affiliates or excossors arising out of or released to the performance of services hereunder by Cardinal, regardless of with Relinquished By: Date: Received By		t.
Relinquished By: Date: Received By	era caldakak Remarks	t: 🗆 Yes 🗆 No Add'l Fax#:
Time:	Please or	mail results to pm@etechenv.com.
Sampler - UPS - Bus - Other:	Condition CHECKED BY:)

FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



July 31, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/25/23 16:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

A ... - L ... - - - I D. .. MC

Received: 07/25/2023 Reported: 07/31/2023 Sampling Date: 07/25/2023

Reported: 07/31/2023
Project Name: CHILI VERDE 23/24 FED COM 716 H

Sampling Type: Soil

Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 11 (H233883-01)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.29	114	2.00	2.70	
Toluene*	<0.050	0.050	07/30/2023	ND	2.21	111	2.00	3.24	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.11	105	2.00	3.27	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.31	105	6.00	3.55	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/28/2023	ND	416	104	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	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/25/2023 Sampling Date: 07/25/2023

Reported: 07/31/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: WW 12 (H233883-02)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.29	114	2.00	2.70	
Toluene*	<0.050	0.050	07/30/2023	ND	2.21	111	2.00	3.24	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.11	105	2.00	3.27	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.31	105	6.00	3.55	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-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	07/28/2023	ND	416	104	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	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/25/2023 Sampling Date: 07/25/2023

Reported: 07/31/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: WW 13 (H233883-03)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.29	114	2.00	2.70	
Toluene*	<0.050	0.050	07/30/2023	ND	2.21	111	2.00	3.24	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.11	105	2.00	3.27	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.31	105	6.00	3.55	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 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	48.0	16.0	07/28/2023	ND	416	104	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	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	6 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/25/2023 Sampling Date: 07/25/2023

Reported: 07/31/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: WW 14 (H233883-04)

BTEX 8021B

	<u> </u>			,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.29	114	2.00	2.70	
Toluene*	<0.050	0.050	07/30/2023	ND	2.21	111	2.00	3.24	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.11	105	2.00	3.27	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.31	105	6.00	3.55	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/28/2023	ND	416	104	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	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/25/2023 Reported: 07/31/2023 Sampling Date: 07/25/2023
Sampling Type: Soil

Project Name:

BTEX 8021B

CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact

Project Number: 18228

Sample Received By:

Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 43 (H233883-05)

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.29	114	2.00	2.70	
Toluene*	<0.050	0.050	07/30/2023	ND	2.21	111	2.00	3.24	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.11	105	2.00	3.27	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.31	105	6.00	3.55	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/25/2023 Sampling Date: 07/25/2023

Reported: 07/31/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: NW 44 (H233883-06)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.29	114	2.00	2.70	
Toluene*	<0.050	0.050	07/30/2023	ND	2.21	111	2.00	3.24	
Ethylbenzene*	< 0.050	0.050	07/30/2023	ND	2.11	105	2.00	3.27	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.31	105	6.00	3.55	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/28/2023	ND	416	104	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	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	98.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: MS

Fax To:

Received: 07/25/2023 Reported: 07/31/2023

mg/kg

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sampling Date: 07/25/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NW 45 (H233883-07)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.29	114	2.00	2.70	
Toluene*	<0.050	0.050	07/30/2023	ND	2.21	111	2.00	3.24	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.11	105	2.00	3.27	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.31	105	6.00	3.55	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/25/2023 Sampling Date: 07/25/2023

Reported: 07/31/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 40 (H233883-08)

BTEX 8021B

DIEX GOZID	iiig/	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.30	115	2.00	0.443	
Toluene*	<0.050	0.050	07/30/2023	ND	2.22	111	2.00	0.0782	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.12	106	2.00	0.334	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.34	106	6.00	0.289	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: MS

Received: 07/25/2023 Reported: 07/31/2023 Sampling Date: 07/25/2023
Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 41 (H233883-09)

BTEX 8021B

	9/	9	71.14.1, = 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.30	115	2.00	0.443	
Toluene*	<0.050	0.050	07/30/2023	ND	2.22	111	2.00	0.0782	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.12	106	2.00	0.334	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.34	106	6.00	0.289	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/25/2023 Sampling Date: 07/25/2023

Reported: 07/31/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: SW 42 (H233883-10)

BTEX 8021B

	9/	9	7	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2023	ND	2.30	115	2.00	0.443	
Toluene*	<0.050	0.050	07/30/2023	ND	2.22	111	2.00	0.0782	
Ethylbenzene*	<0.050	0.050	07/30/2023	ND	2.12	106	2.00	0.334	
Total Xylenes*	<0.150	0.150	07/30/2023	ND	6.34	106	6.00	0.289	
Total BTEX	<0.300	0.300	07/30/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/28/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/28/2023	ND	192	96.2	200	1.07	
DRO >C10-C28*	<10.0	10.0	07/28/2023	ND	205	102	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	07/28/2023	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



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 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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RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 FAX (575) 393	-2476																						
Company Name	: Etech Environmental & Safety Se	olution	s, In	IC.						B	IL	L TO						ANA	LYS	S R	EQUE	ST		
Project Manage	r. Lanc Crenshaw							P.	0. #:									1		T				
Address: P.C								Co	mpa	any:	M	ewbou	ru											
City: Lovingt	on State: NM	Zij	: 88	3260)			Att	bn:	5	94	- Brox	am											
Phone #: (57	5) 396-2378 Fax #: (575	396-	142	9				Ad	dres	s: C	180	1 BKK	am Blud							1				
Project #: / 8 2	228 Project Ow	ner:/	Nes	NE	OUV	n		Cit	ty: /	101	60	5				-								
Project Name:	Chile Verde 23/24	fea	Co	in	71	61	4	Sta	ate:	Nn) Z	ip: 882	240		TPH (8015M)	BTEX (8021B)								
Project Locatio	n: Rural Carls	has	1						one					Chloride	801	80								
Sampler Name:								Fa	x #:					등	F	X	1							
FOR LAB USE ONLY			T	L	A	LATR	IX		PRE	SER	v.	SAMPLI	NG	1	1 =	B								
Lab I.D.	Sample I.D.	G)RAB OR (C)OME	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE		ACID/BASE:	ICE / COOL	ONHER:	DATE	TIME											
DI	WWII	0	I	T		1				1	-	7 25		V	~	V								
2	WW12		1			1				1		-		1	1	1								
3	WW13		П			1				1		1		П		Н	_	-	-		-			
4	WW14		Ц	1	Ш	1	1			1	1			1	11	H	-	-	-	-	-			
5	NW43			-		1	1	-		1	+	+		11	11	11	-	-	-	-	-			
6	NWYU	-	1	-		#	-	-		11	+	\dashv		+	++	H	+	+	-	+	+-	-		
	NW45	+	H	+		-	+	-		+	+	-		+	1	+	+	-	-	+-	+	-		
8	5W40	-	+	-	-	+	+	-		+	+	+		+	-	+	-	+	+	+	-			
17	SW41	A	1.9	4			+	-		1	1	1/1		14	1	K	-	+	+	1	+		-	

service. In no event shall Cardinal be liable for incidental or conseq	wented damages, including	without limitation, business interruptions, loss of use, or loss of profits incurr- ardinal, recognitions of whether such claim is based upon any of the above sto) by client, he outratductes, ad ressons or otherwise.
Relinquished By: Con(A)	Date: 7-25 Time: 1408	Received By:	Phone Result:
Relinquished By:	Date:	Received By:	Please email results to pm@etechenv.com.
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	5.86	Sample Condition CHECKED BY: Cool Infact Yes Yes No No	

FORM-006 Revision 1.0

Received by OCD: 10/18/2024 1:37:49 PM

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Released to Imaging: 11/4/2024 9:36:57 AM



August 07, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: APOLLO CHILI VERDE WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 07/28/23 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

Sample ID: SW 43 (H233978-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.35	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.979	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.99	99.7	2.00	1.33	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	1.90	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 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	08/03/2023	ND	400	100	400	7.69	
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	08/03/2023	ND	194	96.9	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	203	101	200	0.602	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: SW 44 (H233978-02)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.35	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.979	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.99	99.7	2.00	1.33	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	1.90	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/03/2023	ND	400	100	400	7.69	
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	08/03/2023	ND	194	96.9	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	203	101	200	0.602	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: SW 45 (H233978-03)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.35	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.979	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.99	99.7	2.00	1.33	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	1.90	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/03/2023	ND	400	100	400	7.69	
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	08/03/2023	ND	194	96.9	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	203	101	200	0.602	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: MS

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: SW 46 (H233978-04)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.35	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.979	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.99	99.7	2.00	1.33	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	1.90	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/03/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	96.9	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	203	101	200	0.602	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: SW 47 (H233978-05)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.35	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.979	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.99	99.7	2.00	1.33	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	1.90	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	96.9	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	203	101	200	0.602	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Analyzed By: MS

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: SW 58 (H233978-06)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.16	108	2.00	1.35	
Toluene*	<0.050	0.050	08/04/2023	ND	2.10	105	2.00	0.979	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.99	99.7	2.00	1.33	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.97	99.6	6.00	1.90	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 71.5-13-	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/03/2023	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	08/03/2023	ND	194	96.9	200	3.10	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	203	101	200	0.602	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	93.2	26 48.2-13-	4						
Surrogate: 1-Chlorooctadecane	108 9	6 49.1-148	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Applyzed By: 1H /

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

ma/ka

Sample ID: WW 16 (H233978-07)

RTFY 8021R

B1EX 8021B	mg/	<u> </u>	Allalyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-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	08/03/2023	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	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: EW 12 (H233978-08)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117 9	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: NW 46 (H233978-09)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: NW 47 (H233978-10)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	59.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.9	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 07/28/2023 Sampling Date:

Reported: 08/07/2023 Sampling Type: Soi

Project Name: APOLLO CHILI VERDE WATER TRANSFEF
Project Number: 18228

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sampling Date: 07/27/2023
Sampling Type: Soil

Sampling Condition:

Sample Received By:

Cool & Intact Shari Cisneros

Sample ID: NW 48 (H233978-11)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: NW 49 (H233978-12)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 07/28/2023 Sampling Date: 07/27/2023

Reported: 08/07/2023 Sampling Type: Soil
Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool

Project Name: APOLLO CHILI VERDE WATER TRANSFEF Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Shari Cisneros

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: NW 50 (H233978-13)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 07/28/2023 Reported: 08/07/2023 Sampling Date:
Sampling Type:

07/27/2023 Soil

Project Name:

BTEX 8021B

08/07/2023 APOLLO CHILI VERDE WATER TRANSFEF

Sampling Condition:

Cool & Intact

Project Number:

18228

Sample Received By:

Shari Cisneros

Project Number:

Project Location: MEWBOURNE (UL/J SEC 15 T21S - R27E)

mg/kg

Sample ID: NW 51 (H233978-14)

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/03/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories

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Celey D. Keene



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 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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Celeg & Keene

Received by OCD: 10/18/2024 1:37:49 PM

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Mewbourne Oil Com						薢		22	B	ILL T	0		1			ANAL	YSIS	REC	UES	T		٦
Project Manage	er: Lance Crenshaw							P.	0.#														
Address: 261	17 W Marland Blvd							C	omp	any:	Elech Env	ironme	ntal	1									
City: Hobbs		e: NM	Zip	:	8824	0			-		Crenshar												
Phone #: 575		#: 575-396-14	429					A	ddre	ss: 26	17 W Ma	rland	Blvd										
Project #: 182		ect Owner:		ewbo	ume O	il Com	pany	C	ity:	Hobb	s												
	Apollo Chile Verde Water							+	-	,	Zip: 8	8240		1									
-	n: UL/ J Sec 15 T21S -							1			5-396-23												
Sampler Name:		Dominic Casa	rez					Fa	ax #:	575-39	96-1429												
FOR LAB USE ONLY		A	Τ.			MATE	RIX		PR	ESERV	. SAN	IPLIN	G	1									
Lab I.D.	Sample I.I	О.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL	DAT	E	TIME	Chleride	ТРН	BTEX 8021							
	SW 43		С	1		X				X	7/27/	23		Х	X	Х							
2	SW 44		С	1		X				X	7/27/	23		Х	X	Х		17.					Ц
3	SW 45		C	1		X				X	7/27/	23		Х	Х	Х							Ц
4	SW 46		C	1		X				X	7/27/	23		Х	Х	Х							
5	SW 47		C	1		X				X	7/27/	23		Х	X	X							
6	SW 58		C	1		X	-			X	7/27/	23	A	#X	Х	Х							
7	WW 16		C	1		X				X	7/27/	23		Х	Х	Х							
8	EW 12		C	1		X				X	7/27/	23		Х	Х	Х							
9	NW 46		C	1		X				X	7/27/	23		Х	Х	X							
10	NW 47		C	1		X				X	7/27/	23		Х	X	Х							

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Relinquished By:	Date: 28 Receiv	red By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Jamarah Kendric Relinquished By:	Date: Receiv	ed By:	108	REMARKS:	Email re	sults to	PM OLT-Chenu-Com
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-0.9°	Sample Condition Cool Intact Yes Yes No No	CHECKED BY:			_11	

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 FORM-006 R 2.0

Received by OCD: 10/18/2024 1:37:49 PM

Released to Imaging: 11/4/2024 9:36:57 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Mewbourne Oil	Company									BI	LL TO						ANAL	LYSIS	REQ	UEST		
Project Manage	r: Lance Crenshav	N							P.0). #:	#			1=								T	
Address: 261	7 W Marland Blvd								Co	mpan	y:	Etech Environm	ental	1									
City: Hobbs		State: NM	Zip	:	8824	10			Att	n: L	ance	Crenshaw		1						1			
Phone #: 575	none #: 575-396-2378				Ad	dress	: 26	17 W Marland	d Blvd	1													
			mpa	any	Cit	ity: Hobbs				1													
Project Name:	Project Name: Apollo Chile Verde Water Transfer Line Project Location: UL/ J Sec 15 T21S - R27E				Sta	ite: N	М	Zip: 88240)	1													
Project Locatio	roject Location: UL/ J Sec 15 T21S - R27E ampler Name: Dominic Casarez				Phone #: 575-396-2378																		
Sampler Name:	ampler Name: Dominic Casarez FOR LAB USE ONLY MATR						Fax	# : 575-396-1		-					1								
FOR LAB USE ONLY						MA	TRIX	(PRES	ERV	SAMPLI	NG	1).					1 1	
Lab I.D. H233978	Sample	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	Chloride	ТРН	_	7						
11	NW 48		С	1		X)	(7/27/23		Х	Х	Х							
12	NW 49		C	1		X	-	0)	(7/27/23		Х	Х	Х							
13	NW 50		С	1		X	-)	-	7/27/23	2	X	Х	X							
14	NW 51		С	1		X			H)	(7/27/23		Х	X	X						+	
-						+								1									
											T												
	nd Damages. Cardinal's liability an	-																					

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Relinquished By:	Date:7/28	Received By:	Phone Result: Fax Result:	☐ Yes ☐ No ☐ Yes ☐ No	Add'l Phone #: Add'l Fax #:
10.00	10.40	May Comune	REMARKS: E		lance@etechenv.com
Relinquished By:	Date:	Received By:		100	PM Retechenu. com
	Time:	#140 Sample Condition CH	1		
Delivered By: (Circle One)		Sample Condition Ch	CHECKED BY:		
Sampler - UPS - Bus - Other:	- 0.	7c Cool Intact Yest Yes No No	(Initials)		

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 FORM-006 R 2.0



August 07, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 07/28/23 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

A I J D. ... 711

Received: 07/28/2023 Reported: 08/07/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sampling Date: 07/28/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: SW 49 (H234007-01)

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	08/05/2023	ND	2.13	107	2.00	11.5	
Toluene*	<0.050	0.050	08/05/2023	ND	2.16	108	2.00	9.37	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.23	111	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	6.75	113	6.00	9.01	
Total BTEX	<0.300	0.300	08/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/04/2023	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	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					
Surrogate: 1-Chlorooctane	70.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/28/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: Jodi Henson 18228 Sample Received By:

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SW 50 (H234007-02)

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	08/05/2023	ND	2.13	107	2.00	11.5	
Toluene*	<0.050	0.050	08/05/2023	ND	2.16	108	2.00	9.37	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.23	111	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	6.75	113	6.00	9.01	
Total BTEX	<0.300	0.300	08/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/04/2023	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	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					
Surrogate: 1-Chlorooctane	68.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.8	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Applyzod By: 14

Fax To:

Received: 07/28/2023 Sampling Date: 07/28/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Jodi Henson

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: NW 52 (H234007-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.13	107	2.00	11.5	
Toluene*	<0.050	0.050	08/05/2023	ND	2.16	108	2.00	9.37	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.23	111	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	6.75	113	6.00	9.01	
Total BTEX	<0.300	0.300	08/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B		mg/kg		d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/04/2023	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	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					
Surrogate: 1-Chlorooctane	68.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH

Received: 07/28/2023 Reported: 08/07/2023 Sampling Date: 07/28/2023

Reported: 08/07/2023 Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Type: Soil

Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 14 (H234007-04)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Alldiyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.13	107	2.00	11.5	
Toluene*	<0.050	0.050	08/05/2023	ND	2.16	108	2.00	9.37	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.23	111	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	6.75	113	6.00	9.01	
Total BTEX	<0.300	0.300	08/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	oride, SM4500Cl-B mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/28/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Jodi Henson

Analyzed By: JH

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: EW 13 (H234007-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.13	107	2.00	11.5	
Toluene*	<0.050	0.050	08/05/2023	ND	2.16	108	2.00	9.37	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.23	111	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	6.75	113	6.00	9.01	
Total BTEX	<0.300	0.300	08/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	oride, SM4500Cl-B mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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Celeg D. Keens



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH

Fax To:

Received: 07/28/2023 Sampling Date: 07/28/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Jodi Henson

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: WW 16 (H234007-06)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.13	107	2.00	11.5	
Toluene*	<0.050	0.050	08/05/2023	ND	2.16	108	2.00	9.37	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.23	111	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	6.75	113	6.00	9.01	
Total BTEX	<0.300	0.300	08/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	oride, SM4500Cl-B mg/kg		Analyze	ed By: AC					
Analyte	Analyte Result Reporting Li		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/04/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					
Surrogate: 1-Chlorooctane	77.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 07/28/2023 Sampling Date: 07/28/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Jodi Henson

Applyzod By: 14

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

ma/ka

Sample ID: WW 17 (H234007-07)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	2.13	107	2.00	11.5	
Toluene*	<0.050	0.050	08/05/2023	ND	2.16	108	2.00	9.37	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	2.23	111	2.00	9.66	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	6.75	113	6.00	9.01	
Total BTEX	<0.300	0.300	08/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/04/2023	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	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Celey D. Keine



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 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

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Celeg D. Keene

E A

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CU	STODY	AND A	NALYSIS	REQUEST

Company Name	ect Manager: Lant Crenshev						Bi	LL TO					ANA	LYSI	S RE	QUE	ST			
Project Manage	er: Lanc Crensher				F	P.O. #:					-									
Address: 261	7 West Marland				C	ompa	ny M	lebbour	н											
City: Hobbs	State: NM	Zip	: 88	240	A	ttn- :	Tell	Brance												
Phone #: (57	5) 264-9884 Fax #:				A	Address: 4801 Bus p BN3 City: 16645 State: N/M Zip: 89247														
Project #: 182	Project Owne	r: M	lu	bourn	C	City: 16665														
Project Name:	Chile Verde 23/24 fee (Ton	1	716 H	s	tate:	1/14	Zip: 89	241	0	(W)	18)								
Project Locatio	n: Russ Carlched					hone				Chloride	IPH (8015M)	BTEX (8021B)								
Sampler Name:	n: Aural Carlsbad Dominic Cusarez				-	ax #:				Ĕ	H	X								
FOR LAB USE ONLY		T		MATRI		-	SERV	SAMPL	NG		7	BT	1							
Lab I.D.	Lab I.D. Sample I.D. 234007 DC 1 5 W 49 2 5 W 5 0		# CONTAINERS	GROUNDWATER WASTEWATER SOIL	SLUDGE	ACID/BASE:	CE/COOL OTHER:	DATE	TIME	A										
DC 1	54/49	(G)RAB	ī	4	0/		1	7.2:		V	V	V							1	
			1	1			1	. 1		.1	1	1								
3	NW52	11	1				1					1								
4	EW 14						1													
5	EW13						1													
10	WW 16	1								1	1								4	
7	WWI7	V	V	A			A	V		4	V	A								
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alyses. All claims include rvice. In no event shall C	nd Damages. Cardinal's liability and client's exclusive remedy for ng those for negligence and any other cause whatsoever shall be radinal be liable for incidental or consequental damages, includin ng out of or related to the performance of services hereunder by the ng out of or related to the performance of services hereunder by the performance of services here the performance of services h	deemed g withou	S waive t ilmite	d unless made in writi tion, business interrup	ng and red lions, loss	oeived by of use, or	Cardinal v loss of pr	within 30 days after rollts incurred by o	r completion of th	a applicaj	ado		-							_
Relinquished B	Date: 7-28 Time: 7-28	Re	geiv	ted By:	W	20)	n		Phone Res Fax Resul REMARKS	t:	☐ Ye			Phone Fax #:	#:	-				
elinquished By Delivered By Sampler - UPS	Circle One) 440 540		ceiv	Sample Concord Inta	ndition	0	HECK	(Ep BY:	Please e	mail c		f COC	and resul	ts to p	m@et	teche	nv.con	n.		

FORM-006 Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



August 07, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/01/2023 Sampling Date: 08/01/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: TT 1 @ 4 (H234065-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9300	16.0	08/07/2023	ND	416	104	400	3.77	
Sample ID: TT 1 @ 6 (H2	234065-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	08/07/2023	ND	416	104	400	3.77	
Sample ID: TT 1 @ 8 (H2	234065-03)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result								
	ricoure	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	Analyzed 08/07/2023	Method Blank ND	BS 416	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Chloride Sample ID: TT 1 @ 10 (H	3520		,			,	•		Qualifier
Sample ID: TT 1 @ 10 (H	3520	16.0	08/07/2023			,	•		Qualifier
Chloride Sample ID: TT 1 @ 10 (Formula of the Chloride, SM4500Cl-B Analyte	3520 1234065-04)	16.0	08/07/2023	ND		,	•		Qualifier Qualifier

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/01/2023 Sampling Date: 08/01/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: TT 2 @ 4 (H234065-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11700	16.0	08/07/2023	ND	432	108	400	0.00	QM-07
Sample ID: TT 2 @ 6 (H23	4065-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9600	16.0	08/07/2023	ND	432	108	400	0.00	
Sample ID: TT 2 @ 8 (H23	4065-07)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	08/07/2023	ND	432	108	400	0.00	
Sample ID: TT 2 @ 10 (H2	34065-08)								
Chloride, SM4500CI-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	08/07/2023	ND	432	108	400	0.00	
Sample ID: TT 3 @ 4 (H23	4065-09)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18800	16.0	08/07/2023	ND	432	108	400	0.00	

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/01/2023 Sampling Date: 08/01/2023

Reported: 08/07/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: TT 3 @ 6 (H234065-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	08/07/2023	ND	432	108	400	0.00	
Sample ID: TT 3 @ 8 (H2340	065-11)								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	08/07/2023	ND	432	108	400	0.00	
Sample ID: TT 3 @ 10 (H234	4065-12)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	08/07/2023	ND	432	108	400	0.00	
Sample ID: TT 3 @ 12 (H234	4065-13)								
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/07/2023	ND	432	108	400	0.00	
Sample ID: TT 4 @ 4 (H234	065-14)								
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	08/07/2023	ND	432	108	400	0.00	

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Celey D. Keene



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 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

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Celey D. Keine

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	: Etech Environment			Inc				Bi	LL	TO						ANA	LYSI	S RE	QUE	ST	
Project Manage	r: Lanc Crens	haw	-				.O. #:		lu.			1									
Address: 261						C	ompa	iny /	ME	y bo	orn										
City: Hobbs		State: NM	Zip:	882	240	A	ttn:	JP	ff	Brow	, m										
Phone #: (57	5) 264-9884	Fax #:				A	ddres	s:45	201	Buch	Blvd										
Project #: 192	19	Project Owner	: W	011	Moura	С	itv:	140	bb	4			•	_							
Project Name:	Chile Verde:	13/24 Fed	Cox	J.	716 H	S	tate:	Nm	Zi	0:84	oBlud 240		₩.	18							
Project Location	n: Rugh Car	16 had				P	hone	#:	•	6		Chloride	TPH (8015M)	BTEX (8021B)						i I	
Sampler Name:	- HOVE	Minic C	156	10	22		ax #:					Sh	H	X							
FOR LAB USE ONLY		VI VIII C	Ť		MATRIX	-	PRE	SERV	1	SAMPLI	NG	Ĭ	₽	B							
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER WASTEWATER SOIL	SLUDGE	ACID/BASE:	ICE / COOL.		DATE	TIME										
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	17106)	1	(1		1	Ť	1		À									
3	TT168								Г			П									
7	171010		П									1									
5	TT2@4									1											
2	1T2 @ 6		M																		
7	17208		Ш	П				1	7												
8	1T2 @ 10							1													
9	TT304		1			1															
10	173 6 6		•	V	4			4		4		A	4								
analyses. All claims includi service. In no event shall C	2mCH2	cause whatsoever shall be o quental damages, including	Red	waive limiter regard Ceiv	od unless made in writing tion, business interruptio	and rec	ceived by of use, o	Cardinal r	within profits i	30 days after incurred by c	r completion of th	e applica ies, e. sult: t:	□ Ye	es 🗆	No No	Add'I	Phone Fax #:	_	teche	nv.com	
	: (Circle One) - Bus - Other:	5.48	4/4	40	Sample Con Cool Intac Yes No	Yes	,	(Ini	tials)											

FORM-006 Revision 1.0

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Released to Imaging: 11/4/2024 9:36:57 AM

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety Solutions, Inc.	BUTO	ANALYSIS REQUEST
Project Manager: Law Crenshay	F) O. #:	
Address: 2617 West Marland	Company MeW bourn	
City: Hobbs State: NM Zip: 88240	Attn: Jeff Broom Address: 4901 Bus 9Blid City: 15618 State: NM Zip: 88 ZMO	1
Phone #: (575) 264-9884 Fax #:	Address: 4901 Bus PBlid	
Project #: 18228 Project Owner: MEW bour	n City: 166185	
Project Name: Chila Vera & 23/20 fed Com 716	+ State: NW Zip: 88 ZHO	3N (SW)
Project Location: Rural Carlobad	Phone #:	301/g (807)
Project #: 18228 Project Owner: MEW bour Project Name: Chile Verd & 23/20 fed Com 716 Project Location: Rural Cark bad Sampler Name: Dominic Casara 2	Fax #:	Chloride TPH (8015M) BTEX (8021B)
FOR LAB USE ONLY MA	X PRESERV. SAMPLING	
(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL & OTHER:	
DC // TT308 G1 V	8-1	V
12 T T3@10		
13 TT3012		
14 77464		
	A	
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Relinquished By: Time: Date: Received By:	a Malaka REMARKS	J
Relinquished By: Date: Received By:		
Time:	Plassa	email copy of COC and results to pm@etechenv.com.
Delivered Bv: (Circle One) Sampler - UPS - Bus - Other: Sampler - UPS - Bus - Other:	ondition CHECKED BY:	man sopy of oco and results to pringetechnetis.com.



August 11, 2023

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 08/07/23 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND

HOBBS NM, 88240 Fax To:

 Received:
 08/07/2023
 Sampling Date:
 08/07/2023

 Reported:
 08/11/2023
 Sampling Type:
 Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: ** (See Notes)
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: EW 12 B (H234198-01)

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	08/09/2023	ND	416	104	400	3.77	

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Celey D. Keine



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 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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Celey D. Keine

Page 4 of 4

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety	olution	s, In	C.						Bl	44 10			1		ANALYSIS REQUEST
Project Manager: Lane Crensh	W					_	P.O.								
Address: 2617 West Marland							Com	pan	yN1	lew ba	rn				
City: Hobbs State: NA	Zi	p: 88	3240	1			Attn:	5	eff	Rrap					
Phone #: (575) 264-9884 Fax #:		_					Addr	ress	1/0	Al Bus.	eBlVd	1			
Project #: / 8228 Project O	vner:	ME	2W	2001	n		Atv:	1-	lob	bs	pBlVd	10			
Project Name: Chilo Verdo 23/4	fed	Cou	17	116	4		State	a: V	Vin	Zip:882	246		N.	19	
Project Name: Chile Verde 23/24 Project Location: Rural Carls! Sampler Name: Dominic Casci	2.1	Cur			.,		Phor					Chilorice	FPH (8015M)	BTEX (8021B)	
Sampler Name: Dam's Cafe	07						Fax	-				美	(E)	×	
FOR LAB USE ONLY		T	Т	М	ATRI		-		ERV.	SAMPL	ING	1	<u>F</u>	BTB	
Lab I.D. Sample I.D.	G)RAB OR (C)OMP	CONTAINERS	GROUNDWATER	NASTEWATER	SOIL	SLUDGE	OTHER:	ICE / COOL	OTHER:	DATE	TIME		*		
DE / EWIZB	- 6	#	O	3 (0	S	0 3	20	0	7-7	TIME	V			
I EWILD	-10	1	\vdash	H		++	+	+	+	1-1					
	\pm	1			+		+	+	т						
	\neg	T			Ť		1					1			
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LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive reme nalyses. All claims including those for negligence and any other cause whetevever t	all be deen	ned wei	red uni	eas med	io in writ	ing and	received	by Ce	rdinal w	ithin 30 days at	inr completion of 1	in applica	200		
ervice. In no event shall Cardinal be liable for incidental or consequental damages. I filliates or successors arising out of or related to the performance of services hereun	er by Cardin	nal, rega	ardless	of wheth	her such	claim is	based i	e, or lo upon a	my of the	above stated	easons or otherwi	10.			
Relinquished By: Date Times (a.S.	7	ece	1	a	W	la	4	le	ela.	Sex.	Phone Re Fax Resu REMARK	it:	□ Ye	is D	
Celipquished By: Date:	R	lecei	ved	Ву:							Please e	mail o	CODV (of COC	and results to pm@etechenv.com.
Delivered By: (Circle One)	#	44		Samp	ile Co		P	CH	IECK	ED BY:			A		
Sampler - UPS - Bus - Other:	56				es Z			Ç	1	0			10		

FORM-006 Revision 1.0



August 23, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 08/17/23 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/17/2023 Reported: 08/23/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM Sampling Date: 08/17/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: FT 1 @ 4 (H234480-01)

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	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15400	16.0	08/22/2023	ND	400	100	400	3.92	
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	08/22/2023	ND	165	82.4	200	4.27	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	165	82.3	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	78.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 2 @ 4 (H234480-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	08/22/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	165	82.4	200	4.27	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	165	82.3	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	67.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.3	% 49.1-14	8						

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Celey D. Keine



Sample Received By:

Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Analyzed By: JH/

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 3 @ 4 (H234480-03)

BTEX 8021B

DILX GOZID	mg/	ng .	Allulyzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	08/22/2023	ND	400	100	400	3.92	
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	08/22/2023	ND	165	82.4	200	4.27	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	165	82.3	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.2	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 4 @ 4 (H234480-04)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7520	16.0	08/22/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	165	82.4	200	4.27	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	165	82.3	200	4.10	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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Celey D. Keene



Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Analyzed By: JH/

Received: 08/17/2023 Reported: 08/23/2023

 08/17/2023
 Sampling Date:
 08/17/2023

 08/23/2023
 Sampling Type:
 Soil

 CHILI VERDE 23/24 FED COM 716 H
 Sampling Condition:
 Cool & Intact

Sample Received By:

Project Name: CHILI Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 5 @ 4 (H234480-05)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15200	16.0	08/22/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.4	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 6 @ 4 (H234480-06)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	08/22/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					
Surrogate: 1-Chlorooctane	94.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 7 @ 4 (H234480-07)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19600	16.0	08/22/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/21/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/21/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/21/2023	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 8 @ 4 (H234480-08)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	08/22/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

mg/kg

Sample ID: FT 9 @ 4 (H234480-09)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5840	16.0	08/22/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	95.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/17/2023 Reported: 08/23/2023 Sampling Date: 08/17/2023

Project Name:

Sampling Type: Soil

CHILI VERDE 23/24 FED COM 716 H Project Number: 18228

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 10 @ 4 (H234480-10)

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	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 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	20400	16.0	08/22/2023	ND	400	100	400	7.69	QM-07
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	93.4 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 %	6 49.1-14	8						

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Celeg D. Keine



Tamara Oldaker

Sample Received By:

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil
Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 11 @ 4 (H234480-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28400	16.0	08/22/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.7	% 49.1-14	8						

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Celeg D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/17/2023 Reported: 08/23/2023 Sampling Date: 08/17/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 12 @ 4 (H234480-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5040	16.0	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.9	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 13 @ 4 (H234480-13)

RTFY 8021R

B1EX 8021B	mg/	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	4960	16.0	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	8						

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Celey D. Keine



Tamara Oldaker

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 1H /

Received: 08/17/2023 Reported: 08/23/2023

Sampling Date: 08/17/2023 Sampling Type: Soil CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact

Sample Received By:

Project Name: Project Number: 18228

Project Location:

MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 14 @ 4 (H234480-14)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38800	16.0	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 1H /

Received: 08/17/2023 Reported: 08/23/2023 Sampling Date: 08/17/2023

Project Name: 08/23/2023

Project Name: CHILI VERDE 23/24 FED COM 716 H

Sampling Type: Soil

Project Number: 18228

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 15 @ 4 (H234480-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	< 0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31600	16.0	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.0	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/17/2023 Reported:

Sampling Date: 08/17/2023 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H

Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 16 @ 4 (H234480-16)

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	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	44000	16.0	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 17 @ 4 (H234480-17)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.85	92.4	2.00	1.95	
Toluene*	<0.050	0.050	08/22/2023	ND	1.86	92.9	2.00	0.874	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	1.96	97.8	2.00	1.26	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	5.83	97.1	6.00	1.14	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	37600	16.0	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	90.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 18 @ 4 (H234480-18)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/22/2023	ND	1.94	96.8	2.00	0.974	QR-03
Toluene*	<0.050	0.050	08/22/2023	ND	2.20	110	2.00	2.49	QR-03
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	2.26	113	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	6.80	113	6.00	3.89	QR-03
Total BTEX	EX <0.300 0.300		08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/22/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.1	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 19 @ 4 (H234480-19)

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	08/22/2023	ND	1.94	96.8	2.00	0.974	
Toluene*	<0.050	0.050	08/22/2023	ND	2.20	110	2.00	2.49	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	2.26	113	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	6.80	113	6.00	3.89	
Total BTEX	<0.300	0.300	08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID 101 %		% 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	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/17/2023 Sampling Date: 08/17/2023

Reported: 08/23/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: FT 20 @ 4 (H234480-20)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		08/22/2023	ND	1.94	96.8	2.00	0.974	
Toluene*	<0.050	<0.050 0.050		ND	2.20	110	2.00	2.49	
Ethylbenzene*	<0.050	0.050	08/22/2023	ND	2.26	113	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/22/2023	ND	6.80	113	6.00	3.89	
Total BTEX	BTEX <0.300 0.300		08/22/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-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	08/22/2023	ND	400	100	400	7.69	
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	08/22/2023	ND	182	91.2	200	6.65	
DRO >C10-C28*	<10.0	10.0	08/22/2023	ND	173	86.3	200	2.04	
EXT DRO >C28-C36	<10.0	10.0	08/22/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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Notes and Definitions

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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Page 23 of 24

(AI

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety Solutions, Inc.						B//4 4 TO						ANALYSIS REQUEST									
Project Manager	: Lane Crenshan						2.0. 1	¥:													
Address: 2617						C	Company Mer bourn														
City: Hobbs	State: NM	Zip	: 88	240		_				300M											
Phone #: (575)) 264-9884 Fax #:					A	ddre	ess:													
Project #: 18228 Project Owner: May bound			C	ity:	H	06	65		1		-			1. 1							
Project Name:	" 10 Verce 23/24 fed Con	M.	71 4	H		5	tate	No				10	SM)	BTEX (8021B)							
Project Location	Rusal Carlshar	VW					hon	-				Chloride	801	(80							
Project Location: Ryral Carlshac NM Sampler Name: Diminic Casare?					F	ax #	:			- 12	1 5	IPH (8015M)	X								
FOR LAB USE ONLY		T	T		MATR	IX	PR	RESEF	RV.	SAMPLI	NG	1	1	F	1	1 1					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Å									
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2	F+ 2 @ 4	i	1		1			1	1	1		1	(1							
3	F+3 @ 4	1/								4			17								
4	F+4 @4											1									
5	F+5@4	1	1			Ш						1	A								
4	F+6 04	1						Ш	1			1	1		_						
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9	F+904		1			-	1		+	2		1	1	19	-	-	-	-	-	-	-
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service. In no event shall Car	those for negligence and any other cause wheteoever shall be direct be liable for incidental or consequential damages, include out of or related to the performance of services hereunder by Date: 8-17-23 Time:	e deem ing witho Cardina	ed wai sut limit al, regs	ved unless : lation, busin	made in w leas intern hether suc	riting and re sptions, los	coived I	by Cardi or loss	inal with of profit	ain 30 days after to incurred by di above stated rea	completion of the lent, its subsidiar store or otherwisers or otherwisers are Resulted REMARKS	the application, the second se	□ Y ₀	es C	No No	Add'l Phon Add'l Fax #					
Delivered By: Sampler - UPS		#	14	Sar Co	nple Colonia	ondition tact Yes No	n		CKE	D BY:	Please e	emalil (copy	of CO	C and	I results to	pm@et	echenv	.com.		

FORM-006 Revision 1.0

Released to Imaging: 11/4/2024 9:36:57 AM

RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.									Bil	LL TO		ANALYSIS REQUEST												
Project Manage		/						P.0). #:		1			T	T	T	T	I		T				
	7 West Marland							Cor	npan	V MO	Whole	n	1											
City: Hobbs State: NM Zip: 88240							Attn: Jeff Broom																	
Phone #: (575) 264-9884 Fax #:							dress		2 01		1	4												
Project #: 18 2	28 Pr	oject Owner:	Ma	2W	bouvy	1	-		1: H		15		1											
	Chile Verde 2						-		te: /				0	E	18				T.					
Project Location							- 1		one #:		p.		Chloride	TPH (8015M)	3TEX (8021B)									
Sampler Name:	Dourinic Cas	VET					- 1	Fax				18/89	1 ĕ	H	X		10			1				1
FOR LAB USE ONLY	powiting co		T	T	N	IATRI	_		PRES	ERV.	SAMPL	ING	1	F	18									
Lab I.D. #234480	Sample I.D.		(G)RAB OR (C)OMP	# CONTAINERS	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME												
DC 11	ft 11 @ 4		2	1		V		A	t		8-17		Y	V	10	1								
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13	Ft 13 0 4																							
14	Ft 14 0 4																							
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	nd Damages. Cardinal's liability and client's ex ng those for negligence and any other cause : ardisal be liable for incidental or consequents	thatsoever shall be dee	enned v	vaived :	unices me	de in wri	lling and	receiv	ed by Ca	rdinal w	ithin 30 days aff	er completion of t	he applica	able										
Relinguished By	ng out of or related to the performance of ser	ices hereunder by Caro	dinal, re	egardie									ise.	O Y	00 [□ No	Addi	Phone	4.					
Kellilquished by) / //	0 1-6	5	CIVC	/			/	11	1/	11	Fax Resu	lt:	□ Y] No		Fax #:	77.					
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	(Circle One)	1.8°E	-14	0	Cool	Int	Yes No			IECK (Initi		Please e	ernall	copy	or CC	oc and	resur	is to p	orn@e	RECTIO	env.con	1.		



August 28, 2023

LANCE CRENSHAW

Etech Environmental & Safety Solutions
2617 W MARLAND

HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 08/22/23 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



08/22/2023

Cool & Intact

Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Received: 08/22/2023 Reported: 08/28/2023

Sampling Type: Soil

Sampling Date:

Sampling Condition:

Project Name: CHILI VERDE 23/24 FED COM 716 H
Project Number: 18228

Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: SP 1 @ 11.5 (H234565-01)

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	08/25/2023	ND	1.89	94.5	2.00	1.65	
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914	
Total BTEX	<0.300	0.300	08/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 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	272	16.0	08/24/2023	ND	432	108	400	3.77	
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	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240 Fax To:

Applyzod By: 1H /

 Received:
 08/22/2023
 Sar

 Reported:
 08/28/2023
 Sar

Project Name: CHILI VERDE 23/24 FED COM 716 H

Project Number: 18228

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sampling Date: 08/22/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 9.5 (H234565-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.89	94.5	2.00	1.65	
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914	
Total BTEX	<0.300	0.300	08/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	144	16.0	08/24/2023	ND	432	108	400	3.77	
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	08/23/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/23/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/23/2023	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

Etech Environmental & Safety Solutions

LANCE CRENSHAW 2617 W MARLAND HOBBS NM, 88240

Fax To:

Received: 08/22/2023 Sampling Date: 08/22/2023

Reported: 08/28/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: 18228 Sample Received By: Tamara Oldaker

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: EW 12 B (H234565-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1520	16.0	08/24/2023	ND	432	108	400	3.77	

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Notes and Definitions

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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

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Se 3230 of 38

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Etech Environmental & Safety Solutions, Inc.	BILL TO	ANALYSIS REQUEST
Project Manager: Lanc Crenshaw	P.O. #:	
Address: 2617 West Marland	Company Etech	
City: Hobbs State: NM Zip: 88240	Attn: Lanc Crenshaw	
Phone #: (575) 264-9884 Fax #:	Address:	
Project #: 18 228 Project Owner: Mewbour n	City: Hobbs	
Project Name: Chili Verde Z3/Z4 Fed Com 716 A	Alut -	
Project Location: Ryral Carlsbad	State: //// Zip: 9 5 6 8 8 9 1 1 1 1 1 1 1 1 1	
Sampler Name: Dominil Casarez	Fax #: 5 7 X	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	
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DC1 391211.5 G11 V,	180023 NV	
2 582@9.5 GIIV		
3 EWIL 3 CI	AV	
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Relinquished By: Date: 8-22-23 Received By:	Phone Result: Yes No	Add'l Phone #:
Relinquished By: Date: Received By:	Fax Result: Yes No REMARKS:	Add'I Fax #:
	Please email copy of COC and	results to pm@etechenv.com.
Delivered By: (Circle One) #140	CHECKED BY:	
Sampler - UPS - Bus - Other: 3.1		

FORM-006 Revision 1.0

[†] Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



September 05, 2023

LANCE CRENSHAW
Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS, NM 88240

RE: CHILI VERDE 23/24 FED COM 716 H

Enclosed are the results of analyses for samples received by the laboratory on 08/30/23 16:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Etech Environmental & Safety Solutions LANCE CRENSHAW 2617 W MARLAND

HOBBS NM, 88240

Fax To:

Received: 08/30/2023 Sampling Date: 08/30/2023

Reported: 09/05/2023 Sampling Type: Soil

Project Name: CHILI VERDE 23/24 FED COM 716 H Sampling Condition: Cool & Intact
Project Number: Sample Received By: Dionica Hinojos

Project Location: MEWBOURNE - RURAL CARLSBAD, NM

Sample ID: EW 12 C (H234728-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/31/2023	ND	416	104	400	3.77	

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RPD Relative Percent Difference

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*** Insufficient time to reach temperature.

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Received by OCD: 10/18/2024

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CHAIN-OF-CUSTODY AND ANALYSIS REQL'EST

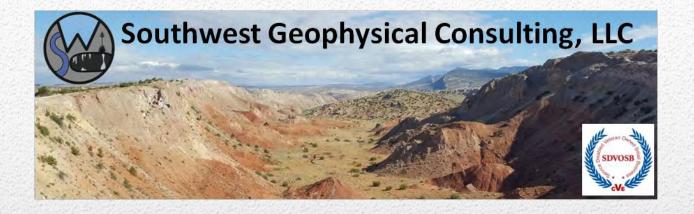
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name		The	ch.	1		BI	LL TO			ANALYSIS REQUEST
City: Co Phone #: Project #: Project Name: Project Locatio	Lanc Crenchard 3100 Company: May bound Company: May bound Attn: Jeff Broom Fax #: Project Owner: Mely boury Chili Veroc 23/24 fed Com 716 H State: MM zip: Phone #:		State: // Zip: 88 260			P.O. #: Company: MON DOVIN Attn: Jeff Broom				
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Relinquished By:	Date: 8-30 Received By:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date: Received By:	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. ℃ 33℃ Corrected Temp. ℃ 1140 Sample Condition? CHECKED R	Turnaround Time: Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Thermometer ID #140 Correction Factor 0°C No No Corrected Temp. °C

Appendix E Karst Study Report



Environmental Karst Study Report Chile Verde Flats Release Eddy County, New Mexico

Prepared For:

SWCA Environmental Consultants 7770 Jefferson Street NE, Suite 410 Albuquerque, NM 87109

☐ Positive within 200 feet of release footprint

☑ Negative within 200 feet of release footprint

☐ Karst Monitor Recommended

May 12, 2024

SWCA-076-20240222

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Published by:

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MMXXIV

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1.0 INTRODUCTION

This report was commissioned by SWCA Environmental Consultants, Inc. (hereinafter referred to as "the client"), on February 22, 2024, for the purpose of conducting an environmental karst study within an area encompassing the Chile Verde Flats release site (hereinafter termed "CVFR") centered at N 32.477152° W 104.168743°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 61 meters (200 feet) of the spill delineation boundary as defined by 19.15.29.12 NMAC and to determine whether stable ground exists within the spill boundary of the Chile Verde Flats release using electrical resistivity imaging to determining stable ground as defined by 19.15.2 NMAC Definitions^[1,2].

1.2 Summary of Findings

No surface karst features exist within the 200-foot (61-meter) zone surrounding the spill delineation boundary provided by the client. No anomalies consistent with air- or water-filled voids were found within the CVFR survey area, indicating the zone beneath the geophysical survey is stable.

The lack of surface karst features does not mean the area is not karstified and the study area may still contain buried karst features outside of the areas where the geophysical survey was conducted. Caution should be exercised during any remediation operations. Employing a Bureau of Land Management approved karst monitor on site during remediation should be considered.

1.3 Affected Environment

The CVFR project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region.

Karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The three primary concerns in these types of terrain are environmental issues, worker safety, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers^[3]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **HIGH** karst occurrence zone^[4] (**Figure 1**).

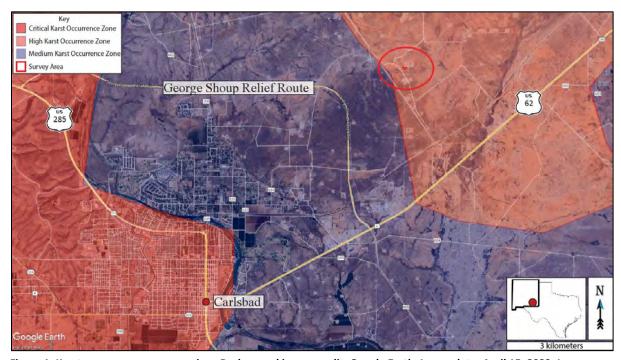


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: April 15, 2023. Image datum: WGS-84.

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat^[3].

Each location within a CKOZ or HKOZ must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of SWCA Environmental Consultants, Inc. in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results in the field should be conducted prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be considered.

To the best of our knowledge, information contained in this report is accurate at the date of issue. Due to the nature of karst terrain the information in this report shall not be used beyond three years past the date of the field work provided in section **2.3.1 Surface Karst Inventory**.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 8.7 kilometers (5.4 miles) northeast of Carlsbad, New Mexico, between Rains Road, the George Shoup Relief Route, and U.S. Highway 62 in an area known as the Alacran Hills. The study area is located within the SW ¼ section of section 14 and the SE ¼ section of section 15 of NM T21S R27E^[5] (Figure 1 and Figure 2). The region has flat to rolling terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[6] (see section 2.2 Local Geology for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[7]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[8] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The entire survey site is located within a BLM-CFO designated HKOZ^[4] (Figure 1), and within BLM-CFO managed land^[9] (Figure 2).



Figure 2: Land ownership^[9] and PLSS^[5] overview. Background image credit: Google Earth. Image date: April 15, 2023. Image datum: WGS-84.

2.2 Local Geology

The site for the CVFR survey is located at an elevation of 989 meters (3,245 feet), \pm 3 meters (9.8 feet), and is located within a region entirely underlain by the Permian Salado Formation (PsI) and Permian Artesia Group (Pat, not shown in the below image as it does not outcrop in this area). The area is mantled by thin gypsiferous soils (gypsite), Quaternary aeolian sands (Qe), and Quaternary piedmont gravels (Qp)^[10] up to 5 meters in depth (**Figure 3**).

The Salado Formation (PsI) is a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface^[11].

The Artesia Group consists of the Greyburg and Queen Formations (Pqg), the Seven Rivers Formation (Psr), the Yates Formation (Py), and the Tansill Formation (Pt)^[12]. At this location, it is most likely that the undivided Yates and Tansill Formations immediately underlie the Quaternary units.

The Tansill Formation is mostly carbonate with minor siltstone and anhydrite. East of Highway 285 and along the Pecos River, the Tansill is predominantly dolomite. In places where the dolomitic beds are exposed, the contact with the overlying Salado gypsum and siltstone can also be seen. Both of the dolomitic and gypsiferous facies in the Tansill are prone to karst development^[12].

The Yates Formation is dominated by a quartz-rich, frosted-sandstone facies with minor carbonate, anhydrite, and siltstone. Northwest of Carlsbad, there is a near-reef facies with inter-tongued carbonates and evaporites. The lower section of the Yates transitions with the upper portion of the Seven Rivers. This area consists of dolomite, interbedded with siltstone, fine-grained sandstone, and minor gypsiferous siltstone beds that are prone to karst development^[12].

The Seven Rivers Formation consists of dolomite, dolomitic limestone, and thickly bedded anhydrite. From north to south, the Seven Rivers transitions from an evaporite facies to a basin facies near the reef escarpment. This facies is prone to karst formation, especially along the contact with the Capitan Reef Front further to the south^[12].

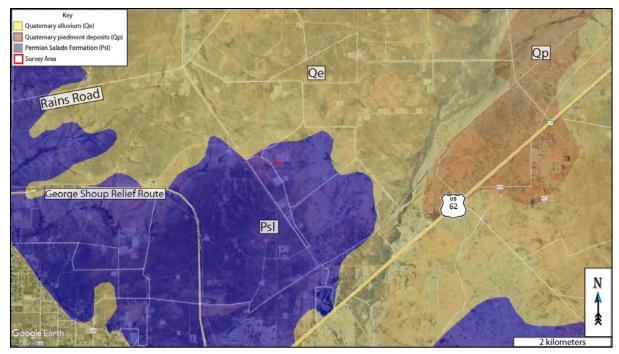


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format^[13]. Background image credit: Google Earth. Image date: April 15, 2023. Image datum: WGS-84.

The Seven Rivers overlies the Permian Queen Formation, a calcite rich siliciclastic unit^[12]. Beneath the Queen lies the Greyburg, a dolomitic limestone. Neither of these units are close enough to the surface to be of concern at this location.

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[10].

2.3 Description of Survey

2.3.1 Surface Karst Inventory

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides aerial karst surveys using drones that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

Aerial karst surveys are conducted at low elevation following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 4**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by a highly qualified karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report^[14].



Figure 4: Survey overview. Background image credit: Google Earth. Image date: December 21, 2019. Datum: WGS-84.

Resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they impact the facility's location. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery^[15].

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on March 14, 2024. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Dave Decker of Southwest Geophysical Consulting on March 28, 2024.

Prior to conducting the aerial karst survey, a surface karst desk study was performed by Southwest Geophysical Consulting within 305 meters (1,000 feet) of the spill delineation boundary. The study was performed using satellite and aerial imagery from Google Earth Pro dated April 2, 2023 (please note features less than one meter in diameter are generally not visible using this method), the Southwest Geophysical Cave and Karst Database dated January 24, 2024, and the Carlsbad East, NM, 1:24,000 quad, 1985, USGS topographic map. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

No surface karst features are located within 200 feet (61 meters) of the CVFR spill delineation boundary^[2].

Additionally, there are no surface karst features within the 200-meter aerial karst survey area. The lack of surface karst features does not mean the area is not karstified and the survey area may still contain buried karst features. Caution should be exercised while clearing brush and during any excavation, trenching, or construction operations. Employing a Bureau of Land Management approved karst monitor on site during these operations should be considered.

2.3.2 Geophysical Survey

For this survey, an Advanced Geosciences Inc. (AGI) SuperSting™ Wifi R8 with a multielectrode switchbox, a 28-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of two resistivity lines in a dipole-dipole strong gradient configuration; CVFR01 is laid out northwest to southeast and CVFR02 is laid out southwest to northeast. Both lines consisted of 28 electrodes at 3-meter spacing, resulting in 81-meter-long arrays. (**Figure 5**, **Table 1**, and **APPENDIX 7.2**). A preconfigured command file was used to run the data collection (DDSG28). This electrode configuration provided a depth of investigation of 16 meters (53 feet) and a resolution of 1.5 to 2 meters (4.9 to 6.6 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.



Figure 5: Survey overview. Two survey lines (denoted with white numbers) were conducted with 28 electrodes each at 3-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: April 15, 2023. Image datum: WGS-84.

APPENDIX 7.2 provides a detailed list of each electrode number, location in latitude/ longitude (decimal degree format), and elevation in meters. EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations (Table 2). NOTE: Due to the proximity and orientation of infrastructure the resistivity survey could not be conducted on the west end (pipeline) or the east end (tank battery). The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of "stable ground" at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was "average apparent resistivity" and a default inversion setting of "surface," with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω -m) and a max apparent resistivity set to 100,000 Ω -m (**Table 2**).

All field work, including setup, stow, and travel, was completed by Garrett Jorgensen Olague, Britt Bommer, and Steven Kesler on April 24, 2024.

3.0 RESULTS

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 6**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a well-layered geologic system with resistivities between 5 and 150 Ohm-m with occasional areas of up to 700 Ohm-m (**Figure 6**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

One area of higher-than-average resistivity exists under line CVFR01. Areas of lower-than-average resistivity (4.5 to 5.5 Ohm-m) exist both at the surface and at depth within the survey area (**Figure 6**).

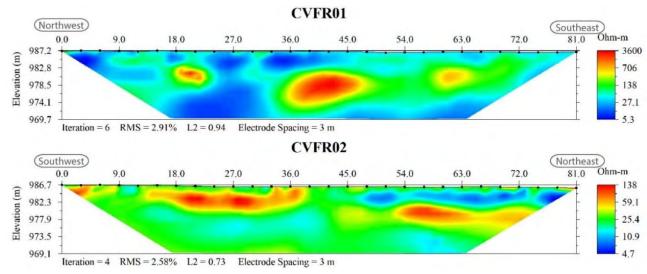


Figure 6: 2D inverted resistivity section. Reds and oranges indicate higher resistivity values. Yellows and greens are medium resistivity values. Blues are low resistivity values. Please note that the color scale is relative, and that even the highest values in these sections are lower than what is typically seen in the region.

4.0 DISCUSSION

No anomalies consistent with large (greater than 2-meter diameter) air- or water-filled voids are found within the CVFR survey area. Small solutionally enlarged voids or fractures at or near the resolution limit of the survey (1.5 - 2.0 meters) may be present. The higher-than-average resistivity area located underneath line CVFR01 is interpreted to be either a more resistant sandstone layer, possibly an old river channel, or a lens of dry halite. Other slightly higher-than-average resistivity areas less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils. Due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern during remediation efforts. Areas of moderate resistivity (reds, yellows, and greens) near the surface are interpreted as dry caliche soils and gypsum bedrock of the Artesia Group^[16] (**Figure 6** and **Figure 7**).

Low resistivity areas between 5-15 Ohm-m may either represent fluid from the brine release, moist to saturated subsurface remnants of the Salado Formation, or a layer of either clays and halite lenses or moist or saturated layers within the Artesia Group.

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. They remain interpretations until verified by geotechnical methods.



Figure 7: Data overlay. Colored trapezoids are 2D inverted resistivity lines. Background image credit: Google Earth. Image date: April 15, 2023.

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey (1.5 – 2.0 meters) may exist; these may be encountered during excavation, and if so, should be evaluated by a karst specialist prior to continued work. Employing a BLM-CFO approved karst monitor on site during activities in this area should be considered.

5.0 RECOMMENDATIONS

- The CVFR survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary and no shallow anomalies interpreted as large voids or related karst features that would present a danger to equipment operators.
- Intercepting a void during remediation is unlikely, but still possible. Small voids or solutionally enlarged fractures below the resolution limit of the survey may be encountered.
- When conducting any remediation activities in this area, employing a BLM-CFO approved karst monitor on site should be considered.

6.0 Disclosure Statement

High karst occurrence zones are prone to rapid karst formation and warrants careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO-approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive

caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports commissioned at the request of the land manager should be submitted to:

BLM-CFO: blm nm karst@blm.gov

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

6.0 REFERENCES

- Decker, D. & Jorgensen, G. L. *Environmental Karst Surveys White Paper* (Southwest Geophysical Consulting, LLC, 2024).
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7.0 APPENDICES

7.1 Glossary of Terms

ACEC Area of Critical Environmental Concern

AGI Advanced Geosciences Inc.

BLM-CFO Bureau of Land Management - Carlsbad Field Office

brecciated Fractured rock caused by faulting or collapse.

caprock-collapse sinkhole Collapse of roof-spanning rock into a cave or void.

cave Natural opening at the surface large enough for a person to enter.

cover-collapse sinkhole Collapse of roof-spanning soil or clay ground cover into a subsurface void.

ERI Electrical Resistivity Imaging
GPS Global Positioning System

grike A solutionally enlarged, vertical, or sub-vertical joint or fracture.

(H) High confidence modifier for a PKF. This is typically reserved for a

feature that is definitely karst but has not been confirmed in the field.

HKOZ High Karst Occurrence Zone

InSAR Interferometric Synthetic Aperture Radar. A method by which radar

signals from satellites are processed to determine the amount and rate of subsidence of an area as well as whether the area is actively subsiding.

karst A landscape containing solutional features such as caves, sinkholes,

swallets, and springs.

(L) Low confidence modifier for a PKF. This is typically a feature that

cannot be ruled out as karst but is most likely NOT karst related.

This modifier may also be used for pseudokarst features.

LED Locally enclosed depression. A natural depression on the surface that

collects rainwater. Some contain swallets and/or caves, others do not.

(M) Medium confidence modifier for PKF. This is an ambiguous feature

that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).

MKOZ Medium Karst Occurrence Zone
NCRC National Cave Rescue Commission

NKF Non-karst feature. Used for features originally identified as PKF that

have been subsequently identified in the field as non-karst related.

This term may also be used for pseudokarst features.

NMSLO New Mexico State Land Office

Ohm-m Ohm-meter, a unit of measurement for resistivity. Sometimes

abbreviated Ω-m.

paleokarst Previously formed karst features that have been filled in by erosion

and/or deposition of minerals.

Pat Permian Artesia Group
Pc Permian Capitan Formation
Pcs Permian Castile Formation
Pdl Permian Dewey Lake Formation

PKF Possible karst feature. This term is reserved for features identified

in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence

levels are based on field experience.

PLSS Public Land Survey System

Pqg Permian Queen/Greyburg Formation

Pru Permian Rustler Formation

pseudokarst Karst-like features (sinkholes, conduits, voids etc.) that are not

formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.

Psl Permian Salado Formation

Psr Permian Seven Rivers Formation

Pt Permian Tansill Formation
Py Permian Yates Formation
Qal Quaternary alluvium

Qe Quaternary eolian deposits
Qp Quaternary piedmont deposits
Qpl Quaternary playa lake deposits

RKF Recognized karst feature. This term is reserved for karst features

that have been physically verified in the field.

SKF Surface Karst Feature

SPAR Small Party Assisted Rescue

suffosion sinkhole Raveling of soil into a pre-existing void or fracture.

swallet A natural opening in the surface, too small for a person, that drains

water to an aquifer. Some are "open," meaning a void can be seen

below; some are "closed, "meaning they are full of sediment.

SWG Southwest Geophysical Consulting, LLC

UTM Universal Transverse Mercator (projected coordinates)

(V) Field verified modifier for a PKF. This indicates that the feature has been

visited by a qualified karst professional in the field and fully identified

WGS World Geodetic System (geographic coordinates)

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7.2 Electrode Data

Please see accompanying data files in CVFR_Electrode_Points.xlsx and CVFR_Electrode_
Points.kmz within file SWCA-076-20240222_CVFR_Data_Files.kmz for detailed information on each electrode location.

Table 1: Survey Line Data Table. The .kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files CVFR _Electrode_Points.xlsx and SWCA-076-20240222_CVFR_Data_Files.kmz.

File Name:	Completed By:	Date:
CVFR01.kmz		
	Garrett Jorgensen Olague – Senior Field Geologist	
CVFR02.kmz	Britt Bommer – Field Geologist Steven Kesler – Field Geologist	4/24/2024

Raw data files (.stg files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .stg files) are available upon request.

Table 2: Software Information and Settings

Software Name:	EarthImager [™] 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 kΩ-m
	Min Apparent Resistivity = 0.1 Ω-m

8.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist Southwest Geophysical Consulting, LLC 5117 Fairfax Dr. NW Albuquerque, NM 87114 dave@swgeophys.com (505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a
 Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy
 and operated, maintained, and installed various sensor systems including magnetic,
 electromagnetic, radar, communications, and acoustic systems in various capacities from
 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of "qualified karst professional" set out in the ASTM Standard (currently in review). I meet the definition of "qualified professional" for the purposes of ASTM E-1527.
- I am responsible for the content, compilation, and editing of all sections of report number SWCA-076-20240222 entitled, "Environmental Karst Study Report, Chile Verde Flats Release, Eddy County, New Mexico." I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site on the date or dates mentioned in section 2.3 Description of Survey.

• I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, October 7, 2024.



David D. Decker PhD, CPG-12123



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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

Action 393846

QUESTIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	393846
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2315849467
Incident Name	NAPP2315849467 APOLLO CHILE VERDE WATER TRANSFER LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	APOLLO CHILE VERDE WATER TRANSFER LINE
Date Release Discovered	05/20/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 240 BBL Lost: -240 BBL.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
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

Action 393846

Phone:(505) 476-3470 Fax:(505) 476-3462		
QUESTIONS (continued)		
Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744 Action Number: 393846 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
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; (?) reported amounts release resulting in negative volume.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	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.	
	I ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of led 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.	
to report and/or file certain release notifications and perform corrective actions for releathe 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 asses 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	

Name: Connor Walker Title: Senior Engineer

Date: 10/18/2024

Email: cwalker@mewbourne.com

I hereby agree and sign off to the above statement

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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 393846

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	393846
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 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	Between 1 and 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)	
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Between 200 and 300 (ft.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Between 1 and 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	Yes	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information mu	ist be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of	soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully deli	lineated Yes	
Was this release entirely contained within a lined containment area	a No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	51200	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	241	
GRO+DRO (EPA SW-846 Method 8015M)	210	
BTEX (EPA SW-846 Method 8021B or 82	260B) 0.3	
Benzene (EPA SW-846 Method 8021B or 8	3260B) 0.1	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report in which includes the anticipated timelines for beginning and completing the reme-	ncludes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, ediation.	
On what estimated date will the remediation commence	07/05/2023	
On what date will (or did) the final sampling or liner inspection occu	ur 08/15/2024	
On what date will (or was) the remediation complete(d)	08/15/2024	
What is the estimated surface area (in square feet) that will be recl	laimed 68806	
What is the estimated volume (in cubic yards) that will be reclaimed	d 10193	
What is the estimated surface area (in square feet) that will be rem	nediated 68806	
What is the estimated volume (in cubic yards) that will be remediate	ted 13048	
These estimated dates and measurements are recognized to be the best guess of	or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minim	mally 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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 393846

QUESTIONS (continued)

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	393846
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
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.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Connor Walker Title: Senior Engineer

Email: cwalker@mewbourne.com

Date: 10/18/2024

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

Released to Imaging: 11/4/2024 9:36:57 AM

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QUESTIONS, Page 5

Action 393846

QUESTIONS	(continued)
QUESTIONS:	COHUHUCU <i>1</i>

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	393846
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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

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

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

MEWBOURNE OIL CO

P.O. Box 5270

Hobbs, NM 88241

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

QUESTIONS, Page 6

Action 393846

QUESTIONS (continued) OGRID: 14744

Action Number

393846 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Operator:

Sampling Event Information			
Last sampling notification (C-141N) recorded	{Unavailable.}		

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

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CONDITIONS

Action 393846

CONDITIONS

Operator:	OGRID:
MEWBOURNE OIL CO	14744
P.O. Box 5270	Action Number:
Hobbs, NM 88241	393846
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved with conditions: Continue excavation of release area using Table 1 <50 feet to groundwater standards as the environmental karst study report was not accepted by the OCD. The variance request is approved to collect confirmation floor samples at a frequency of every 400 square feet. Sidewall samples will still need to be collected every 200 square feet. OCD notes that the total surface area that will be remediated and reclaimed was changed from 98,123 to 68,806 square feet. Explain this change in closure report. Submit remediation closure report to the OCD by 2/3/2025.	11/4/2024