**Received by OCD: 6/9/2021 12:43:43 PM** Form C-141 State of New Mexico

Oil Conservation Division

		Page 1 of 24	41
Inc	ident ID	nRM2034557149	
Dis	strict RP		
Fac	cility ID		
Ap	plication ID		

# Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🖌 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🖌 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🖌 Yes 🗌 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🖌 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🖌 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🖌 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🖌 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🖌 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🖌 Yes 🗌 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ✓ Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- ✓ Photographs including date and GIS information
- ✓ Topographic/Aerial maps
- ✓ Laboratory data including chain of custody

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

		Page 2 of 241
	Incident ID	nRM2034557149
lon	District RP	
	Facility ID	
	Application ID	
se notifications and perform co y the OCD does not relieve the a threat to groundwater, surfa tor of responsibility for compl Title: Environment Date:6/9/2021	prrective actions for release e operator of liability sho ice water, human health liance with any other feo tal Coordinator	ases which may endanger ould their operations have or the environment. In
Date:		
	the notifications and perform converted of the OCD does not relieve the a threat to groundwater, surfactor of responsibility for compositive f	ion District RP Facility ID Application ID to the best of my knowledge and understand that pursuse notifications and perform corrective actions for relevente of the OCD does not relieve the operator of liability shows a threat to groundwater, surface water, human health tor of responsibility for compliance with any other feet Title: Environmental Coordinator

Oil Conservation Division

Incident ID	nRM2034557149
District RP	
Facility ID	
Application ID	

Page 3 of 241

# Closure

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

<b><u>Closure Report Attachment Checklist</u>:</b> Each of the following it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certai may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the C Printed Name: Jacqui Harris	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
email: Jacqui.Harris@conocophillips.com	Telephone: (575)689-3114
OCD Only	
Received by: Chad Hensley	Date:08/11/2021
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and/	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:08/11/2021
Printed Name: Chad Hensley	Title:Environmental Specialist Advanced

# Remediation Summary & Soil Closure Request

### COG Operating, LLC Raspberry St. #1 11/12/2020

Lea County, New Mexico Unit Letter "M", Section 26, Township 21 South, Range 33 East Latitude 32.44479 North, Longitude 103.55091 West NMOCD Reference No. nRM2034557149

Prepared By:

Etech Environmental & Safety Solutions, Inc. 3100 Plains Highway Lovington, New Mexico 88260

. Arguijo

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Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

### **TABLE OF CONTENTS**

Section

PROJECT INFORMATION.	1.0
SITE CHARACTERIZATION.	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE	3.0
INITIAL SITE ASSESSMENT.	4.0
REMEDIATION ACTIVITIES SUMMARY	
RESTORATION, RECLAMATION & RE-VEGETATION PLAN.	
SOIL CLOSURE REQUEST	<b>7.0</b>
LIMITATIONS	8.0
DISTRIBUTION	<b>9.0</b>

### FIGURES

Figure 1 - Topographic Map Figure 2 - Aerial Proximity Map Figure 3 - Site & Sample Location Map

### TABLES

Table 1 - Concentrations of BTEX, TPH & Chloride in Soil

### APPENDICES

- Appendix A Depth to Groundwater Information
- Appendix B Photographic Log
- Appendix C Laboratory Analytical Reports

## 1.0 **PROJECT INFORMATION**

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of COG Operating, LLC, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Raspberry St. #1 11/12/2020 (henceforth, "Site"). Details of the release are summarized below:

Latitude:	32.44	1479	-103.55091					
		Provide	ed GPS are in WGS84 forr	nat.				
		. #1 11/12/2020	Site Type:		Flowline			
Date Release Discover	red:	11/12/2020	API # (if appli	cable):	30-025-43179			
Unit Letter Se	ection	Township	Range	County	7			
"M"	26	215	33E	Lea				
urface Owner: XS		ederal Tribal	Private (Na <b>&amp; Volume of R</b>					
Crude Oil	Volume	Released (bbls)		Volume F	Recovered (bbls)			
X Produced Water	Volume	Released (bbls)	133	Volume F	Volume Recovered (bbls) 0			
		ncentration of total the produced wate		XYe	es No N/A			
Condensate	Volume	Released (bbls)		Volume F	Volume Recovered (bbls)			
Natural Gas	Volume	e Released (Mcf)		Volume F	Volume Recovered (Mcf)			
Other (describe)	Volume	Weight Released		Volume/W	Volume/Weight Recovered			
Cause of Release: The release was cause pasture, caliche road,	-	ad.		to bust. The re	elease affected an area within the			
		Ir	nitial Response					
X The source of the	release has	s been stopped.						
X The impacted area	a has been	secured to protect hu	man health and the	environment.				
X Release materials	have been	contained via the use	e of berms or dikes,	absorbent pad,	or other containment devices			

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

### 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	>8	800'
Did the release impact groundwater or surface water?	Yes	X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes	X No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	Yes	X No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	Yes	X No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes	X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes	X No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes	X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes	X No
Are the lateral extents of the release overlying a subsurface mine?	Yes	X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes	X No
Are the lateral extents of the release within a 100-year floodplain?	Yes	X No
Did the release impact areas not on an exploration, development, production or storage site?	X Yes	No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

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

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

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
>800'	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	N/A
	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)

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

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

### 4.0 INITIAL SITE ASSESSMENT

On January 25, 2021, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, hand-augered soil bores 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 hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, a total of 26 delineation soil samples (NH @ Surface, NH @ 1', EH1 @ Surface, EH1 @ 1', EH2 @ Surface, EH2 @ 1', SH1 @ Surface, SH1 @ 1', SH2 @ Surface, SH2 @ 1', WH @ Surface, WH @ 1', SP1 @ Surface, SP1 @ 3', SP2 @ Surface, SP2 @ 1', SP3 @ Surface, SP3 @ 1', SP4 @ Surface, SP4 @ 1', SP5 @ Surface, SP5 @ 1', SP6 @ Surface, SP6 @ 2', SP7 @ Surface, and SP7 @ 1') were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standard beyond four (4) feet below ground surface (bgs), and the horizontal extent of affected soil impacted above the NMOCD Closure Criteria and/or the NMOCD Reclamation Standard was adequately defined.

### 5.0 **REMEDIATION ACTIVITIES SUMMARY**

On April 19, 2021, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and a Hach Quantab ® chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Etech collected eight (8) confirmation soil samples (EW 1, WW 1, WW 2, and FL 1 @ 1' through and FL 5 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 20, 2021, Etech collected nine (9) confirmation soil samples (EW 2, EW 3, EW 4, WW 3, WW 4, and FL 6 @ 1' through FL 9 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 23, 2021, Etech collected four (4) confirmation soil samples (EW 5, WW 5, FL 10 @ 3', and FL 11 @ 3') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 27, 2021, Etech collected nine (9) confirmation soil samples (NW 1, NW 2, EW 6, FL 12 @ 6' through FL 17 @ 6') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On April 28, 2021, Etech collected 11 confirmation soil samples (NW 3, EW 7, SW 1, and FL 18 @ 2' through FL 25 @ 3') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 3, 2021, Etech collected four (4) confirmation soil samples (EW 8, WW 6, FL 26 @ 4', and FL 27 @ 4') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 4, 2021, Etech collected 15 confirmation soil samples (EW 9, EW 10, SW 2, WW 7, WW 8, WW 9, and FL 28 @ 4' through FL 36 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 5, 2021, Etech collected eight (8) confirmation soil samples (NW 4, EW 11, EW 12, SW 3, SW 4, WW 10, FL 37 @ 4', and FL 38 @ 4') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 6, 2021, Etech collected six (6) confirmation soil samples (NW 5, NW 6, SW 5, SW 6, WW 11, and FL 39 @ 4') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

On May 7, 2021, Etech collected 18 confirmation soil samples (NW 7, NW 8, EW 13, SW 7, SW 8, WW 12, and FL 40 @ 1' through FL 51 @ 1') from the sidewalls and floor of the excavation. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the excavated area were approximately 435 to 470 feet in length, one (1) to 63 feet in width, and one (1) to six (6) feet in depth. During the course of remediation activities, approximately 760 cubic yards of impacted soil was transported to an NMOCD-permitted surface waste facility for disposal.

Soil sample locations and the extent of the excavated area are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Laboratory analytical reports are provided in Appendix B. General photographs of the Site are provided in Appendix C.

### 6.0 **RESTORATION, RECLAMATION & RE-VEGETATION PLAN**

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

### 7.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard.

Based on laboratory analytical results and field activities conducted to date, Etech recommends COG Operating, LLC, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Site.

### 8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents reference 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 COG Operating, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or COG Operating, LLC.

### 9.0 **DISTRIBUTION**

### COG Operating, LLC

600 West Illinois Avenue Midland, TX 79701

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

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

(Electronic Submission)

# Figure 1 Topographic Map

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# Figure 2 Aerial Proximity Map

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# Figure 3 Site & Sample Location Map

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Page 17 of 241



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# Table 1Concentrations of BTEX, TPH & Chloride in Soil

Table 1												
Concentrations of BTEX, TPH & Chloride in Soil												
	COG Operating, LLC Raspberry St. #1 11/12/2020											
				-	berry St. : D Ref. #: 1							
NMOO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	20,000	
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600	
				SW 84	6 8021B		SW	<b>846 8015M</b>	Ext.		4500 Cl	
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	$GRO + DRO \\ C_6 - C_{28}$	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)	
					Delineation			(mg/kg)				
NH @ Surface	1/25/2021	0'	In-Situ	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	28.0	
NH @ 1'	1/25/2021	1'		< 0.00199		<50.0	<50.0	<50.0	<50.0	<50.0	14.3	
EH1 @ Surface	1/25/2021	0'	In-Situ	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	456	
	1/25/2021	1'			< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	180	
EH2 @ Surface		0'	In-Situ	< 0.00199	< 0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	140	
EH2 @ 1'	1/25/2021	1'		< 0.00201		<49.9	<49.9	<49.9	<49.9	<49.9	93.4	
SH1 @ Surface	1/25/2021	0'	In-Situ	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	187	
SH1 @ 1'	1/25/2021	1'		< 0.00200		<49.8	<49.8	<49.8	<49.8	<49.8	71.3	
SH2 @ Surface	1/25/2021	0'			< 0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	249	
SH2 @ 1'	1/25/2021	1'	In-Situ	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	120	
WH @ Surface	1/25/2021	0'			< 0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	20.2	
WH @ 1'	1/25/2021	1'	In-Situ	< 0.00199	< 0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	7.18	
SP1 @ Surface	1/25/2021	0'	Excavated	< 0.00202	< 0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	963	
SP1 @ 3'	1/25/2021	3'		< 0.00202		<49.9	<49.9	<49.9	<49.9	<49.9	639	
SP2 @ Surface	1/25/2021	0'	Excavated	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	510	
SP2 @ 1'	1/25/2021	1'	Excavated	< 0.00199	< 0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	153	
SP3 @ Surface	1/25/2021	0'	Excavated	< 0.00199	< 0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	624	
SP3 @ 1'	1/25/2021	1'		< 0.00200		<50.0	<50.0	<50.0	<50.0	<50.0	179	
SP4 @ Surface		0'			< 0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	664	
SP4 @ 1'	1/25/2021	1'			< 0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	120	
SP5 @ Surface	1/25/2021	0'	Excavated	< 0.00202	< 0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	929	
SP5 @ 1'	1/25/2021	1'	In-Situ	< 0.00200	< 0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	339	
SP6 @ Surface	1/25/2021	0'	Excavated	< 0.00198	< 0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	639	
SP6 @ 2'	1/25/2021	2'	In-Situ	< 0.00198	< 0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	203	
SP7 @ Surface	1/25/2021	0'	Excavated	< 0.00201	< 0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	1,010	
SP7 @ 1'	1/25/2021	1'	Excavated	< 0.00202	< 0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	150	
					Excavation	Samples						
NW 1	4/27/2021	0'-6'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
NW 2	4/27/2021	0'-2'	Excavated	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144	
NW 3	4/28/2021	0'-2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192	
NW 4	5/5/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128	
NW 5	5/6/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
NW 6	5/6/2021	0'-2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
NW 7	5/7/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496	
NW 8	5/7/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368	
EW 1	4/19/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240	
EW 2	4/20/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304	
EW 3	4/20/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192	
EW 4	4/20/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
EW 5	4/23/2021	0'-3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368	

#### NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Table 1												
Concentrations of BTEX, TPH & Chloride in Soil												
	COG Operating, LLC Raspberry St. #1 11/12/2020											
NIMO		····•		1	D Ref. #: 1	1KM2034	557149	1 000		2 500	20.000	
	OCD Closure C			10	50	-	-	1,000	-	2,500	20,000	
NNIOCI	Keciamation	Stanuaru		10	50 6 8021B	-		- 7 846 8015M [	-	100	600 4500 Cl	
			Soil	5 11 04	0 8021D	~ ~ ~		GRO +			4500 CI	
Sample ID	Date	Depth	Son	Benzene	BTEX	GRO C <sub>6</sub> -C <sub>10</sub>	DRO C <sub>10</sub> -C <sub>28</sub>	DRO	ORO C <sub>28</sub> -C <sub>36</sub>	ТРН С <sub>6</sub> -С <sub>36</sub>	Chloride	
				(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	$C_6 - C_{28}$	(mg/kg)	(mg/kg)	(mg/kg)	
EW 6	4/27/2021	0'-6'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <20.0	<10.0	<30.0	80.0	
EW 7	4/28/2021	0'-2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0	
EW 8	5/3/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128	
EW 9	5/4/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160	
EW 10	5/4/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
EW 11	5/5/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
EW 12	5/5/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
EW 13	5/7/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208	
SW 1	4/28/2021	0'-2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
SW 2	5/4/2021	0'-6'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
SW 3	5/5/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
SW 4	5/5/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576	
SW 5	5/6/2021	0'-2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
SW 6	5/6/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0	
SW 7	5/7/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128	
SW 8	5/7/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192	
WW 1	4/19/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400	
WW 2	4/19/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
WW 3	4/20/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 4	4/20/2021			< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
WW 5	4/23/2021	0'-2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
WW 6	5/3/2021	0'-3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144	
WW 7	5/4/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176	
WW 8	5/4/2021	0'-6'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
WW 9	5/4/2021	0'-4'	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0	
WW 10	5/5/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544	
WW 11	5/6/2021	0'-4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
WW 12	5/7/2021	0'-1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0	
FL 1 @ 1'	4/19/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0	
FL 2 @ 1' FL 3 @ 1'	4/19/2021 4/19/2021	1' 1'	In-Situ In-Situ	<0.050 <0.050	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<20.0 <20.0	<10.0 <10.0	<30.0 <30.0	80.0 96.0	
FL 3 @ 1 FL 4 @ 1'	4/19/2021	1'	In-Situ In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0 96.0	
FL 4 @ 1 FL 5 @ 1'	4/19/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0	
FL 6 @ 1'	4/20/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240	
FL 7 @ 1'	4/20/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192	
FL 8 @ 1'	4/20/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240	
FL 9 @ 1'	4/20/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240	
FL 10 @ 3'	4/23/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368	
FL 11 @ 3'	4/23/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288	
FL 12 @ 6'	4/27/2021	6'	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224	
FL 13 @ 2'	4/27/2021	2'	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0	
2 2 2	,_021	_	2104				12010	0.0				

### NOTES:

- = Sample not analyzed for that constituent.

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria

Table 1											
Concentrations of BTEX, TPH & Chloride in Soil											
					OG Opera	0.					
					berry St.						
				1	D Ref. #: 1	nRM2034	557149				
	CD Closure C			10	50	-	-	1,000	-	2,500	20,000
NWIOCD	Reclamation	Standard		10 SW 840	50	-	-	-	-	100	600
			a <b>n</b>	5 W 840	) 8021B			7 846 8015M GRO +			4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO	DRO C <sub>10</sub> -C <sub>28</sub>	DRO	ORO	ТРН С. С	Chloride
			Status	(mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>10</sub> (mg/kg)	(mg/kg)	C <sub>6</sub> -C <sub>28</sub>	C <sub>28</sub> -C <sub>36</sub> (mg/kg)	C <sub>6</sub> -C <sub>36</sub> (mg/kg)	(mg/kg)
FL 14 @ 2'	4/27/2021	2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	(mg/kg) <20.0	<10.0	<30.0	80.0
FL 15 @ 2'	4/27/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 15 @ 2'	4/27/2021	2'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 17 @ 6'	4/27/2021	6'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 17 @ 6 FL 18 @ 2'	4/27/2021	2'	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 18 @ 2 FL 19 @ 2'	4/28/2021	2'	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 19 @ 2 FL 20 @ 2'	4/28/2021	2'	In-Situ In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 20 @ 2 FL 21 @ 2'	4/28/2021	2'	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<u>48.0</u> 64.0
FL 22 @ 1'	4/28/2021		In-Situ In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 22 @ 1 FL 23 @ 1'	4/28/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 24 @ 3'	4/28/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 24 @ 3 FL 25 @ 3'	4/28/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
FL 26 @ 4'	5/3/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 27 @ 4'	5/3/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
FL 28 @ 4'	5/4/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 29 @ 4'	5/4/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 30 @ 4'	5/4/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	233
FL 31 @ 4'	5/4/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 32 @ 3'	5/4/2021	3'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 33 @ 2'	5/4/2021	2'		<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 34 @ 1'	5/4/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 35 @ 1'	5/4/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 36 @ 1'	5/4/2021	1'	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 37 @ 4'	5/5/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 38 @ 4'	5/5/2021	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 39 @ 4'	5/6/2021	4'	In-Situ		<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 40 @ 1'	5/7/2021	1'	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 41 @ 1'	5/7/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 42 @ 1'	5/7/2021	1'	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 43 @ 1'	5/7/2021	1'	In-Situ	<0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 44 @ 1'	5/7/2021	1'	In-Situ		< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 45 @ 1'	5/7/2021	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 46 @ 2'	5/7/2021	2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 47 @ 2'	5/7/2021	2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 48 @ 1'	5/7/2021	- 1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 49 @ 1'	5/7/2021	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 50 @ 1'	5/7/2021	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 51 @ 1'	5/7/2021	1'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

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# Appendix A Depth to Groundwater Information

Received by OCD: 6/9/2021 12:43:43 PM



Released to Imaging: 8/11/2021 8:44:23 AM



(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)	(0	quarters a						) AD83 UTM in me	ters)	(	In feet)
POD Number	POD Sub- Code basin Co	ountv	Q Q Q 64 16 4	Sec	Tws	Rna		х	Y	Distance		Depth Water Water Column
CP 01411 POD1	CP	LE			21S	•	6359		3590386 🌍	371		
CP 01411 POD2	СР	LE	12	34	21S	33E	6355	534	3590380 🌍	737	1125	
									Averag	ge Depth to	Water:	
										Minimum	Depth:	
										Maximum	Depth:	
Record Count: 2												
UTMNAD83 Radius	Search (in meter	c).										

UTMNAD83 Radius Search (in meters):

Easting (X): 636215.63

Northing (Y): 3590663.28

Radius: 804.67

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.



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

			(quarters (quarters					(NAD83 UT	M in meters)	
Well Tag	POD	Number	Q64 Q1			U	/	X	Y	
U	CP (	)1411 POD1	2		34		0	635968	3590386 🍯	)
Driller Lic Driller Nai		1723	Driller C	ompa	ny:	SB CO	-	C DBA STEV	VART BROTH	IERS DRILLING
Drill Start	Date:	10/09/2014	Drill Fini	ish Da	te:	1	0/14/201	14 <b>Plu</b>	g Date:	
Log File D	ate:	12/26/2014	PCW Rc	v Date	e:		Sou	irce:	Artesian	
Pump Typ	e:		Pipe Disc	Pipe Discharge Size:					imated Yield:	50 GPM
Casing Siz	e:	9.88	Depth W	ell:		1	149 feet	Dej	oth Water:	
Х	Wate	er Bearing Stratif	fications:	То	op E	Bottom	Descr	ription		
				80	00	820	Sands	stone/Gravel/	Conglomerate	
				82	20	1145	Sands	stone/Gravel/	Conglomerate	
Х		Casing Per	forations:	Та	op E	Bottom	l			
				78	30	1149	1			

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.

1/5/21 9:11 AM

POINT OF DIVERSION SUMMARY



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD N	JMBER (W	VELL N	UMBER)			OSE FILE NU	MBER(S)		
Z	POD 1	<b>IP-14</b> 11	1							
Ш	WELL OWN						PHONE (OPTI	ONAL)	······································	
NCX	BC Oper	ating					432-684-9	9696		
Y,	WELL OWN	-	NG AD	DRESS			CITY		STATE	ZIP
I. GENERAL AND WELL LOCATION	4000 Big						Midland		TX 7970	)5
Ê	WELL		·······	DEGREE		DS	· · · · ·			
ΓV	LOCATIO		<u>.ATITL</u>	JDE 32	26 32.4	N	* ACCURACY	REQUIRED: ONE TEN	TH OF A SECOND	
VERA	(FROM G	PS)	longi	TUDE 103	33 12.9	W	• DATUM RE	QUIRED: WGS 84		
1. GE	DESCRIPTIO	NRELATIN	G WELT	LOCATION TO STREE	TADDRESS AND COMMON LANDMARKS - PL	SS (SECTION, T	OWNSHUP, RANC	SE) WHERE AVAILABLE		
	LICENSE N	JMBER		AME OF LICENSED	DRILLER			NAME OF WELL DR	ILLING COMPANY	
	1723			landal P Stewa				Stewart Brothe	rs Drilling Comp	-
	DRILLING S	TARTED	1	RILLING ENDED	DEPTH OF COMPLETED WELL (FT) 1149	ВОКЕ НО 1149	LE DEPTH (FT)	DEPTH WATER FIR. 800	ST ENCOUNTERED (FT	)
z	COMPLETE	D WELL IS	s: 🔎	ARTESIAN	C DRY HOLE C SHALLOW (UNC	ONFINED)		STATIC WATER LEV	VEL IN COMPLETED WE	ELL (FT)
AT10	DRILLING F	LUID.	- C	AIR	MUD ADDITIVES - SP	ECIFY:			······································	
RM	DRILLING N	METHOD:	Ċ	ROTARY	C HAMMER C CABLE TOOL	С отне	R - SPECIFY			
(FO	DEPTH	(feet bgl	)	BORE HOLE	CASING MATERIAL AND/OR			CASING	CASING WALL	EL OT
5	FROM	то	· · · · ·	DIAM	GRADE		SING VECTION	INSIDE DIAM.	THICKNESS	SLOT SIZE
2. DRILLING & CASING INFORMATION				(inches)	(include each casing string, and note sections of screen)	Т	YPE	(inches)	(inches)	(inches)
જ	0	40		20	A 53 Grade B	Welded	ļ	15.5	.250	
NG	+2	800		14 3/4	A 53 Grade B	Thread	ed	10.02	.365	
เยา	780	1149		9 7/8	A 53 Grade B	Welded	l	8	.322	.125
2. Dł	w.,,,								<b></b>	
						1			201	ST
							L.I.L.			
						1			EC EC	: <u>]</u> m
						1			N	5
						1	······································	······································	<u>~~</u>	22
	DEPTH	(feet bgl)	<u> </u>			ATCOLAL	ND		METHO	1011
AL	FROM	TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL M GRAVEL PACK SIZE-RANG			AMOUNT (cubic feet)	PLACEN	
ERI	0	40		20	Neat Cement		···	31	Pressure vi	a Fremi
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FILE	NUMBER	-7	P-	.1411	POD NUMBER	/	TRN N	NUMBER 55	Helex	
LOC	ATION	F	X 1	<u></u>	215.331	2.30	1.22		PAGE	1 OF 2
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TIMATED IELD FOR
WATER- BEARING DNES (gpm)
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06/08/2012)
CE 2 OF 2
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# New Mexico Office of the State Engineer Point of Diversion Summary

			(quarters	are 1=N	W 2=	NE 3=S	W 4=SE)				
			(quarter	s are sm	allest t	o larges	t)	(NAD83 U	ΓM in meters)		
Well Tag	POD	Number	Q64 Q	Q64 Q16 Q4 Se			Rng	Х	Y		
	CP (	)1411 POD2		1 2	34	21S	33E	635534	3590380 🌍		
<sup>x</sup> Driller Lic Driller Na		1723	Driller (	Compa	ny:	SB CO		C DBA STE	WART BROTH	ERS DRILLIN	
Drill Start	Date:	10/01/2014	Drill Fin	ish Da	te:	1	0/07/201	14 <b>Pl</b> u	ıg Date:		
Log File Date: 12/26/2014			PCW Ro	ev Date	:			So	Source: Artesi		
Pump Typ	e:		Pipe Dis	Pipe Discharge Size:					timated Yield:	50 GPM	
Casing Siz	ze:	9.88	Depth W	ell:		1	125 feet	De	pth Water:		
X	Wate	er Bearing Stratif	fications:	Та	p E	ottom	Descr	iption			
				84	10	1125	Sands	stone/Gravel	/Conglomerate		
X		Casing Per	forations:	Та	p E	ottom	l				
				74	14	1125	,				

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.

1/5/21 9:11 AM

POINT OF DIVERSION SUMMARY

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

	OSE POD N	JMBER (	WELL	NUMBER)					OSE FILE NU	MBER(S)		····	
Z	POD 2 (	CP-141	1										
Ē	WELL OWN	ER NAMI	E(S)		·				PHONE (OPTI	ONAL)			
SC	BC Oper	ating							432-684-9	696			
Ä	WELL OWN	ER MAIL	ING AI	DDRESS					CITY	······	STATI		ZIP
GENERAL AND WELL LOCATION	4000 Big	Spring	g St.	STE 310				18/14	Midland		тх	7970	5
92	WELL			DEGREES	MINU	TES	SECON	DS					
L A	LOCATIO	N	LATITI	UDE 32	26		31.6	N	* ACCURACY	REQUIRED ONE TEN	TH OF A	SECOND	
VERA	(FROM G	PS)	LONGI	TUDE 103	33		29.5	Ŵ	• DATUM RE	QUIRED: WGS 84			
GE	DESCRIPTIO	NRELATIN	IG WEL	LLOCATION TO STREET	ADDRESS AND CO	MMON	LANDMARKS - PL	SS (SECTION, TO	OWNSHIIP, RANG	E) WHERE AVAILABLE			
-				<u></u>									
	LICENSE N	JMBER		NAME OF LICENSED						NAME OF WELL DR			
	1723		F	Randal P Stewa	rt					Stewart Brothe	rs Dril	ling Compa	any
	DRILLING S	TARTED	1		DEPTH OF COMP 10/8/14	LETEL	) WELL (FT)	BORE HOI 1125	LE DEPTH (FT)	DEPTH WATER FIR 840	ST ENCC	OUNTERED (FT)	1
~	COMPLETE	D WELL I	s: (	ARTESIAN	C DRY HOLE	C	SHALLOW (UNC	ONFINED)	. <u></u>	STATIC WATER LEV	EL IN C	OMPLETED WE	LL (FT)
UNION	DRILLING F	LUID:		AIR	MUD		ADDITIVES - SP	ECIFY:		<u> </u>		-,, · · · · · · · · · · · · · · · · ·	
SMA	DRILLING N	AETHOD:	G	ROTARY	C HAMMER	C	CABLE TOOL	С отне	R - SPECIFY:				
FO	DEPTH	(feet bg	<u>n</u> 1		CASING M	ATER	IAL AND/OR	T			1		T
N	FROM	TC		BORE HOLE		GRAD			SING	CASING		ING WALL	SLOT
2. DRILLING & CASING INFORMATION	T KOIVI		,	DIAM (inches)			ng string, and of screen)		VECTION YPE	INSIDE DIAM. (inches)	í	IICKNESS (inches)	SIZE (inches)
S S S	0	40		20	A 53 Grade	В		Welded		15.5	.250	)	
DN.	+2	756		14 3/4	A 53 Grade	В		Threade	ed	10.02	.365	5	
LL.	744	1125		14-244 97/8	A 53 Grade	В		Welded		8	.322	2	.125
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		· · ·		BORE HOLE DIAM. (inches)			ULAR SEAL M CK SIZE-RANC			AMOUNT (cubic feet)		METHO	D-OF-I IFN:
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ANNULAR MATERIAL	0	40		20	Neat Ceme					31		Pres <del>su</del> re via	
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	OSE INTER	NAL US	» <u>-</u>	1011	<u></u>		DOL NUM 40 TO			WELL RECORD &			3/2012)
		-64		[ ] []		_	POD NUMBER	~		IUMBER 5	FH (		
LOC	ATION		EX	01	6	$\langle L \rangle$	5.336	2. 2	1.21			PAGE	1 OF 2
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	DEPTH ( FROM	TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	40	40	Brown Fine Sand and Clavs, some caliche	CYEN	
5	40	100	60	Reddish Brown clavs and Sands	CYON	
	100	200	100	Clavs and Sands	CYON	
	200	300	100	Red and Brown clav with some sand	CYON	
ļ	300	400	100	Red Clav	CY ON	f
	400	500	100	Clay and Sand	CYON	
4. HYDROGEOLOGIC LOG OF WELL	500	700	200	Reddish and grav clav	CY CN	
DF W	700	765	65	Red Clav and harder sands and gravels	CY ON	
000	765	770	5	Fine sand	CY CN	
C LC	770	810	40	Grav Shale	CY ON	
Ĩ	810	820	10	Grav Brown Sandstone		
103	820	830	10	Grav and Brown SS		
00	830	840	10	Grav Brown SS		
YDR	840	1125	285	Santa Rosa Sand		
4. H	040	1125	205		CYCN	
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	C AIR LIF		BAILER	u.	OTAL ESTIMATED /ELL YIELD (gpm):	50
Z	WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLU ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER T		
VISION	MISCELLA	NEQUS IN	FORMATION:			
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TEST; RIG SUPEI						<u>គោក</u>
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°, vŝ	Danny W	/hite, Don	Ward, Davis G	addy		⇒ Zu
				IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECO		
SIGNATURE				10 DAYS AFTER COMPLETION OF WELL DRILLING:	July with the SIA	I DENGINEER
VAT	1	)	1 OF	Δ ,	, ,	
El S	ta	nel	1XL	~ Rondy Sterat	10/30/14	*******
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	OSE INTER	NAL USE	1		RECORD & LOG (Ve	rsion 06/08/2012)
1	E NUMBER	17	1.741	POD NUMBER J TRN NUMBER	35444	<u></u>
LOC	CATION	_Ĕ	x p	215.33E.34.21		PAGE 2 OF 2
		-		ļ		



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USGS Water Resources

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#### Search Results -- 1 sites found

Agency code = usgs site no list =

• 322641103311201

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 322641103311201 21S.33E.25.42322

Lea County, New Mexico Latitude 32°26'41", Longitude 103°31'12" NAD27 Land-surface elevation 3,660 feet above NAVD88 The depth of the well is 68 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats** 

Table of data	
Tab-separated data	
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
1968-03-28		D	72019	56.53			1	Z			А
1971-02-04		D	72019	58.95			1	Z			А
1972-09-22		D	72019	56.53			1	Z			А
1976-12-16		D	72019	57.58			1	Z			А
1981-03-10		D	72019	56.03			1	Z			А
1986-03-20		D	72019	55.66			1	Z			А

USGS Home Contact USGS Search USGS

 Data Category:
 Geographic Area:

 Groundwater
 V

	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	Z	Other.								
Measuring agency		Not determined								
Source of measurement		Not determined								
Water-level approval status	А	Approved for publication Processing and review completed.								

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U.S. Department of the Interior | U.S. Geological Survey

USA Department of Line Internot 1053. Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

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#### Search Results -- 1 sites found

Agency code = usgs site no list =

• 322702103344001

#### Minimum number of levels = 1

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#### USGS 322702103344001 21S.33E.28.12443

Lea County, New Mexico Latitude 32°27'13", Longitude 103°34'42" NAD27 Land-surface elevation 3,688.00 feet above NGVD29 The depth of the well is 224 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data	
Tab-separated data	
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
1971-02-04		D	72019	178.62			:	L Z			А
1972-09-22		D	72019	178.60			:	Z			А
1976-12-16		D	72019	178.86			:	Z			А
1981-03-10		D	72019	184.67			:	Z			А
1986-03-20		D	72019	179.24			:	Z			А
1991-04-19		D	72019	179.10			:	Z			А

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Geographic Area:

United States

Data Category:

Groundwater

#### Received by OCD: 6/9/2021 12:43:43 PM

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
			72019								
1996-02-21		D	72019	178.85			1	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	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.						

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-05-11 13:55:44 EDT 0.28 0.24 nadww02 USA.gov



National Water Information System: Web Interface

**USGS Water Resources** 

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### Search Results -- 1 sites found

Agency code = usgs site\_no list = • 322702103344002

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

### USGS 322702103344002 21S.33E.28.12443A

Lea County, New Mexico Latitude 32°27'02", Longitude 103°34'40" NAD27 Land-surface elevation 3,680 feet above NAVD88 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Chinle Formation (231CHNL) local aquifer.

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
1968-03-21	L	D	72019	178.75			1	Z			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	Z	Other.									
Measuring agency		Not determined									
Source of measurement		Not determined									
Water-level approval status	А	Approved for publication Processing and review completed.									

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-05-11 13:57:17 EDT 0.33 0.26 nadww01 USA.gov

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# Appendix B Photographic Log



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# **Appendix C Laboratory Analytical Reports**

eurofins Environment Testing Xenco

# Certificate of Analysis Summary 686001

Etech Environmental & Safety Solution, Inc, Midland, TX

#### **Project Name: Raspberry**

Project Id:13619Contact:PM

Г

Project Location: Rural Lea County

 Date Received in Lab:
 Wed 01.27.2021 11:50

 Report Date:
 02.02.2021 11:38

Project Manager: Jessica Kramer

	Lab Id:	686001-0	001	686001-0	02	686001-0	003	686001-0	004	686001-0	05	686001-0	006
Analysis Requested	Field Id:	NH @ Sur	face	NH @	1'	EH1 @ Sur	face	EH1 @ 1	l'	EH2 @ Sur	face	EH2 @ 1	<b>'</b>
Analysis Kequestea	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL	,	SOIL		SOIL	
	Sampled:	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00
BTEX by EPA 8021B	Extracted:	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45
	Analyzed:	01.29.2021	21:25	01.29.2021	21:46	01.29.2021	22:07	01.29.2021	22:27	01.29.2021	22:48	01.29.2021	23:09
	Units/RL:	mg/kg	RL										
Benzene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00201	0.00201
Toluene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00201	0.00201
Ethylbenzene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00201	0.00201
m,p-Xylenes		< 0.00400	0.00400	< 0.00398	0.00398	< 0.00404	0.00404	< 0.00401	0.00401	< 0.00398	0.00398	< 0.00402	0.00402
o-Xylene		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00201	0.00201
Total Xylenes		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00201	0.00201
Total BTEX		< 0.00200	0.00200	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00201	0.00201
Chloride by EPA 300	Extracted:	01.28.2021	08:15	01.28.2021	08:15	01.28.2021	08:15	01.28.2021	08:15	01.28.2021	09:00	01.28.2021	09:00
	Analyzed:	01.28.2021	19:12	01.28.2021	19:18	01.28.2021	19:23	01.28.2021	19:28	01.28.2021	14:16	01.28.2021	14:32
	Units/RL:	mg/kg	RL										
Chloride		28.0	5.04	14.3	4.98	456	4.96	180	5.02	140	5.05	93.4	4.96
TPH by SW8015 Mod	Extracted:	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00
	Analyzed:	01.30.2021	14:31	01.30.2021	15:34	01.30.2021	15:55	01.30.2021	16:17	01.30.2021	16:38	01.30.2021	16:59
	Units/RL:	mg/kg	RL										
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	< 50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jession Vramer

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Page 1 of 72

Project Id:

**Project Location:** 

**Contact:** 

eurofins Environment Testing Xenco

> 13619 PM

Rural Lea County

# Certificate of Analysis Summary 686001

Etech Environmental & Safety Solution, Inc, Midland, TX

#### **Project Name: Raspberry**

 Date Received in Lab:
 Wed 01.27.2021 11:50

 Report Date:
 02.02.2021 11:38

Project Manager: Jessica Kramer

	Lab Id:	686001-0	007	686001-0	08	686001-0	)09	686001-	010	686001-0	011	686001-0	12
Analysis Requested	Field Id:	SH1 @ Su	rface	SH1 @	1'	SH2 @ Sur	face	SH2 @	1'	WH @ Surf	face	WH @ 1	,
Analysis Kequesieu	Depth:			1- ft				1- ft				1- ft	
	Matrix:	SOIL	,	SOIL		SOIL	,	SOIL		SOIL		SOIL	
	Sampled:	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00
BTEX by EPA 8021B	Extracted:	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45
	Analyzed:	01.30.2021	00:34	01.30.2021	00:54	01.30.2021	01:15	01.30.2021	01:36	01.30.2021	01:57	01.30.2021	02:17
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00199	0.00199
Toluene		< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00199	0.00199
Ethylbenzene		< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00199	0.00199
m,p-Xylenes		< 0.00404	0.00404	< 0.00401	0.00401	< 0.00398	0.00398	< 0.00399	0.00399	< 0.00396	0.00396	< 0.00398	0.00398
o-Xylene		< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00199	0.00199
Total Xylenes		< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00199	0.00199
Total BTEX		< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00199	0.00199
Chloride by EPA 300	Extracted:	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00
	Analyzed:	01.28.2021	14:37	01.28.2021	14:42	01.28.2021	14:47	01.28.2021	15:03	01.28.2021	15:08	01.28.2021	15:13
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		187	4.99	71.3	4.95	249	5.04	120	4.99	20.2	4.97	7.18	5.04
TPH by SW8015 Mod	Extracted:	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00
	Analyzed:	01.30.2021	17:20	01.30.2021	17:41	01.30.2021	18:02	01.30.2021	18:23	01.30.2021	19:05	01.30.2021	19:27
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	<49.9 49.9		49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	<49.9 49.9		49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.8	49.8

BRL - Below Reporting Limit

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Page 2 of 72

eurofins Environment Testing Xenco

# Certificate of Analysis Summary 686001

Etech Environmental & Safety Solution, Inc, Midland, TX

#### **Project Name: Raspberry**

Project Id: 13619 Contact: PM

Project Location: Rural Lea County

 Date Received in Lab:
 Wed 01.27.2021 11:50

 Report Date:
 02.02.2021 11:38

Project Manager: Jessica Kramer

	Lab Id:	686001-0	013	686001-0	)14	686001-0	015	686001-	016	686001-0	017	686001-0	18
Analysis Paguested	Field Id:	SP1 @ Sur	rface	SP1 @	3'	SP2 @ Sur	face	SP2 @ 1	'	SP3 @ Surf	ace	SP3 @ 1	,
Analysis Requested	Depth:			3- ft				1- ft				1- ft	
	Matrix:	SOIL		SOIL		SOIL	,	SOIL	,	SOIL		SOIL	
	Sampled:	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00
BTEX by EPA 8021B	Extracted:	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	13:45	01.29.2021	17:00	01.29.2021	17:00
	Analyzed:	01.30.2021	02:38	01.30.2021	02:59	01.30.2021	03:20	01.30.2021	03:40	01.30.2021	07:06	01.30.2021	07:26
	Units/RL:	mg/kg	RL										
Benzene		< 0.00202	0.00202	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	<0.00199	0.00199	< 0.00200	0.00200
Toluene		< 0.00202	0.00202	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	<0.00199	0.00199	< 0.00200	0.00200
Ethylbenzene		< 0.00202	0.00202	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	<0.00199	0.00199	< 0.00200	0.00200
m,p-Xylenes		< 0.00404	0.00404	< 0.00403	0.00403	< 0.00399	0.00399	< 0.00398	0.00398	<0.00398	0.00398	< 0.00399	0.00399
o-Xylene		< 0.00202	0.00202	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00200	0.00200
Total Xylenes		< 0.00202	0.00202	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	<0.00199	0.00199	< 0.00200	0.00200
Total BTEX		< 0.00202	0.00202	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00199	0.00199	< 0.00199	0.00199	< 0.00200	0.00200
Chloride by EPA 300	Extracted:	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00
	Analyzed:	01.28.2021	15:18	01.28.2021	15:24	01.28.2021	15:29	01.28.2021	15:44	01.28.2021	15:50	01.28.2021	16:05
	Units/RL:	mg/kg	RL										
Chloride		963	4.98	639	4.96	510	4.96	153	5.00	624	4.99	179	5.05
TPH by SW8015 Mod	Extracted:	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00
	Analyzed:	01.30.2021	19:48	01.30.2021	20:10	01.30.2021	20:31	01.30.2021	20:53	01.30.2021	21:14	01.30.2021	21:36
	Units/RL:	mg/kg	RL										
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<50.0	50.0

BRL - Below Reporting Limit

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Page 3 of 72

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# Certificate of Analysis Summary 686001

Etech Environmental & Safety Solution, Inc, Midland, TX

#### **Project Name: Raspberry**

Project Id: 13619 PM **Contact:** 

Rural Lea County **Project Location:** 

Date Received in Lab: Wed 01.27.2021 11:50 **Report Date:** 02.02.2021 11:38

Project Manager: Jessica Kramer

	Lab Id:	686001-0	)19	686001-0	20	686001-0	)21	686001-	022	686001-0	23	686001-0	24
Analysis Requested	Field Id:	SP4 @ Su	rface	SP4 @	1'	SP5 @ Surf	face	SP5 @ 3		SP6 @ Surf	ace	SP6 @ 2	,
Analysis Requested	Depth:			1- ft				1- ft				2- ft	
	Matrix:	SOIL	,	SOIL									
	Sampled:	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00	01.25.2021	00:00
BTEX by EPA 8021B	Extracted:	01.29.2021	17:00	01.29.2021	17:00	01.29.2021	17:00	01.29.2021	17:00	01.29.2021	17:00	01.29.2021	17:00
	Analyzed:	01.30.2021	07:47	01.30.2021	08:08	01.30.2021	08:29	01.30.2021	08:49	01.30.2021	09:10	01.30.2021	09:31
	Units/RL:	mg/kg	RL										
Benzene		< 0.00202	0.00202	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00198	0.00198
Toluene		< 0.00202	0.00202	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00198	0.00198
Ethylbenzene		< 0.00202	0.00202	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00198	0.00198
m,p-Xylenes		< 0.00404	0.00404	< 0.00398	0.00398	< 0.00403	0.00403	< 0.00399	0.00399	< 0.00397	0.00397	< 0.00397	0.00397
o-Xylene		< 0.00202	0.00202	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00198	0.00198
Total Xylenes		< 0.00202	0.00202	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00198	0.00198
Total BTEX		< 0.00202	0.00202	< 0.00199	0.00199	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00198	0.00198
Chloride by EPA 300	Extracted:	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00	01.28.2021	09:00
	Analyzed:	01.28.2021	16:10	01.28.2021	16:15	01.28.2021	16:21	01.28.2021	16:26	01.28.2021	16:31	01.28.2021	16:36
	Units/RL:	mg/kg	RL										
Chloride		664	4.98	120	5.00	929	5.00	339	5.00	639	5.02	203	4.97
TPH by SW8015 Mod	Extracted:	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00	01.30.2021	10:00
	Analyzed:	01.30.2021	21:58	01.30.2021	22:20	01.30.2021	21:14	01.30.2021	21:36	01.30.2021	21:58	01.30.2021	22:20
	Units/RL:	mg/kg	RL										
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9
Total TPH		<50.0	50.0	<49.9	49.9	<50.0	50.0	<49.8	49.8	<49.9	49.9	<49.9	49.9

BRL - Below Reporting Limit

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Page 4 of 72

Project Id:

**Project Location:** 

**Contact:** 

eurofins Environment Testing Xenco

> 13619 PM

Rural Lea County

# Certificate of Analysis Summary 686001

Etech Environmental & Safety Solution, Inc, Midland, TX

#### **Project Name: Raspberry**

 Date Received in Lab:
 Wed 01.27.2021 11:50

 Report Date:
 02.02.2021 11:38

Project Manager: Jessica Kramer

	Lab Id:	686001-025	686001-026		
Analysis Requested	Field Id:	SP7 @ Surface	SP7 @ 1'		
Analysis Kequesieu	Depth:		1- ft		
	Matrix:	SOIL	SOIL		
	Sampled:	01.25.2021 00:00	01.25.2021 00:00		
BTEX by EPA 8021B	Extracted:	01.29.2021 17:00	01.29.2021 17:00		
	Analyzed:	01.30.2021 09:51	01.30.2021 10:12		
	Units/RL:	mg/kg RL	mg/kg RL		
Benzene		<0.00201 0.00201	<0.00202 0.00202		
Toluene		<0.00201 0.00201	<0.00202 0.00202		
Ethylbenzene		<0.00201 0.00201	<0.00202 0.00202		
m,p-Xylenes		< 0.00402 0.00402	<0.00404 0.00404		
o-Xylene		<0.00201 0.00201	<0.00202 0.00202		
Total Xylenes		<0.00201 0.00201	<0.00202 0.00202		
Total BTEX		<0.00201 0.00201	<0.00202 0.00202		
Chloride by EPA 300	Extracted:	01.28.2021 15:10	01.28.2021 15:10		
	Analyzed:	01.29.2021 08:46	01.29.2021 08:51		
	Units/RL:	mg/kg RL	mg/kg RL		
Chloride		1010 4.97	150 4.95		
TPH by SW8015 Mod	Extracted:	01.30.2021 12:00	01.31.2021 10:00		
	Analyzed:	01.30.2021 21:12	01.31.2021 17:45		
	Units/RL:	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9	<49.9 49.9		
Diesel Range Organics (DRO)		<49.9 49.9	<49.9 49.9		
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9	<49.9 49.9		
Total TPH		<49.9 49.9	<49.9 49.9		

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Page 5 of 72



# **Analytical Report 686001**

#### for

# **Etech Environmental & Safety Solution, Inc**

**Project Manager: PM** 

Raspberry

13619

#### 02.02.2021

Collected By: Client



1211 W. Florida Ave Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins Environment Testing Xenco

02.02.2021

Project Manager: **PM Etech Environmental & Safety Solution, Inc** P.O. Box 62228 Midland, TX 79711

Reference: Eurofins Xenco, LLC Report No(s): **686001 Raspberry** Project Address: Rural Lea County

**PM** :

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686001. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686001 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

fession kenner

Jessica Kramer Project Manager

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Page 7 of 72

### Sample Cross Reference 686001

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
NH @ Surface	S	01.25.2021 00:00		686001-001
NH @ 1'	S	01.25.2021 00:00	1 ft	686001-002
EH1 @ Surface	S	01.25.2021 00:00		686001-003
EH1 @ 1'	S	01.25.2021 00:00	1 ft	686001-004
EH2 @ Surface	S	01.25.2021 00:00		686001-005
EH2 @ 1'	S	01.25.2021 00:00	1 ft	686001-006
SH1 @ Surface	S	01.25.2021 00:00		686001-007
SH1 @ 1'	S	01.25.2021 00:00	1 ft	686001-008
SH2 @ Surface	S	01.25.2021 00:00		686001-009
SH2 @ 1'	S	01.25.2021 00:00	1 ft	686001-010
WH @ Surface	S	01.25.2021 00:00		686001-011
WH @ 1'	S	01.25.2021 00:00	1 ft	686001-012
SP1 @ Surface	S	01.25.2021 00:00		686001-013
SP1 @ 3'	S	01.25.2021 00:00	3 ft	686001-014
SP2 @ Surface	S	01.25.2021 00:00		686001-015
SP2 @ 1'	S	01.25.2021 00:00	1 ft	686001-016
SP3 @ Surface	S	01.25.2021 00:00		686001-017
SP3 @ 1'	S	01.25.2021 00:00	1 ft	686001-018
SP4 @ Surface	S	01.25.2021 00:00		686001-019
SP4 @ 1'	S	01.25.2021 00:00	1 ft	686001-020
SP5 @ Surface	S	01.25.2021 00:00		686001-021
SP5 @ 1'	S	01.25.2021 00:00	1 ft	686001-022
SP6 @ Surface	S	01.25.2021 00:00		686001-023
SP6 @ 2'	S	01.25.2021 00:00	2 ft	686001-024
SP7 @ Surface	S	01.25.2021 00:00		686001-025
SP7 @ 1'	S	01.25.2021 00:00	1 ft	686001-026

#### **CASE NARRATIVE**

Client Name: Etech Environmental & Safety Solution, Inc Project Name: Raspberry

Project ID: 13619 Work Order Number(s): 686001 Report Date: 02.02.2021 Date Received: 01.27.2021

#### Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments: Batch: LBA-3149451 BTEX by EPA 8021B Surrogate 4-Bromofluorobenzene recovered above QC limits. Samples affected are: 7720379-1-BLK,686001-016.

Batch: LBA-3149452 BTEX by EPA 8021B

Lab Sample ID 686001-017 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 686001-017, -018, -019, -020, -021, -022, -023, -024, -025, -026.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits. Samples in the analytical batch are: 686001-017, -018, -019, -020, -021, -022, -023, -024, -025, -026

Batch: LBA-3149591 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 686001-008.

Surrogate o-Terphenyl recovered above QC limits Data confirmed by re-analysis. Samples affected are: 7720482-1-BLK.

Batch: LBA-3149595 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 686001-021,686001-024.

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 686001-022.

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:NH @ SurfaceLab Sample Id:686001-001		Matrix: Date Col	Soil lected: 01.25	.2021 00:00		Date Received:01.2	7.2021 11:	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Pre	p: 01.28	.2021 08:15		% Moisture: Basis: Wet	Waight	
Seq Number: 3149314						Dasis. Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	28.0	5.04		mg/kg	01.28.2021 19:12		1
	15 16 1						00150	
Analytical Method:TPH by SW80Tech:DVMAnalyst:ARMSeq Number:3149591	15 Mod	Date Pre	p: 01.30	.2021 10:00		Prep Method: SW8 % Moisture: Basis: Wet	8015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	p: 01.30 <b>RL</b>	.2021 10:00	Units	% Moisture:		Dil
Tech:DVMAnalyst:ARMSeq Number:3149591			<b>-</b>	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b> 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter	Cas Number	Result	RL	.2021 10:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech:DVMAnalyst:ARMSeq Number:3149591ParameterGasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	RL 50.0	.2021 10:00	mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 14:31	Weight Flag U	1
Tech:DVMAnalyst:ARMSeq Number:3149591ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	RL 50.0 50.0	.2021 10:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 14:31 01.30.2021 14:31	Weight Flag U U	1 1
Tech:DVMAnalyst:ARMSeq Number:3149591ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	.2021 10:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 14:31 01.30.2021 14:31 01.30.2021 14:31 01.30.2021 14:31	Weight Flag U U U	1 1 1
Tech:DVMAnalyst:ARMSeq Number:3149591ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)Motor Oil Range Hydrocarbons (MRO)Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0 50.0 50.0		mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 14:31 01.30.2021 14:31 01.30.2021 14:31 01.30.2021 14:31 01.30.2021 14:31 01.30.2021 14:31	Weight Flag U U U U U Flag	1 1 1

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample I	<b>NH @ Surface</b> d: 686001-001		Matrix: Date Co	Soil llected: 01.25.2021 00	):00	Date Received:0	01.27.2021 11	1:50
Analytical M	ethod: BTEX by EPA	A 8021B				Prep Method: S	W5035A	
Tech:	KTL							
Analyst:	KTL		Date Pre	ep: 01.29.2021 13	3:45	% Moisture: Basis: V	X7 / XX7 * 1 /	
Seq Number:	3149451			•		Dasis. V	Vet Weight	
Parameter		Cas Number	Result	RL	Units	Analysis Date	e Flag	Dil
Benzene		71-43-2	< 0.00200	0.00200	mg/kg	01.29.2021 21:2	5 U	1
Toluene		108-88-3	<0.00200	0.00200	mg/kg	01 29 2021 21.2	5 U	1

Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.29.2021 21:25	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.29.2021 21:25	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	01.29.2021 21:25	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.29.2021 21:25	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.29.2021 21:25	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.29.2021 21:25	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	111	%	70-130	01.29.2021 21:25		
4-Bromofluorobenzene		460-00-4	106	%	70-130	01.29.2021 21:25		

Environment Testin Xenco

## **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>NH @ 1'</b> Lab Sample Id: 686001-002		Matrix: Date Colle	Soil ected: 01.25.	.2021 00:00		Date Received:01.27.2021 11:: Sample Depth: 1 ft		
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28.	.2021 08:15		% Moisture: Basis: Wet	Weight	
Seq Number: 3149314						Dasis. Wet	weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.3	4.98		mg/kg	01.28.2021 19:18		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep	: 01.30.	.2021 10:00		% Moisture:	8015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	: 01.30. <b>RL</b>	.2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter		-		.2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b> 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591	Cas Number PHC610	Result <50.0	<b>RL</b> 50.0	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 15:34	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	<b>RL</b> 50.0 50.0	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 15:34 01.30.2021 15:34	Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 15:34 01.30.2021 15:34 01.30.2021 15:34 01.30.2021 15:34	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 15:34 01.30.2021 15:34 01.30.2021 15:34 01.30.2021 15:34 Analysis Date	Weight Flag U U U U Flag	1 1 1

#### Environment Testin Xenco

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>NH @ 1'</b> Lab Sample Id: 686001-002		Matrix: Date Collecte	Soil d: 01.25.2021 00:00		Date Received Sample Depth		.2021 11:	:50
Analytical Method: BTEX by EPA	A 8021B				Prep Method:	SW50	)35A	
Tech: KTL Analyst: KTL		Date Prep:	01.29.2021 13:45		% Moisture:	<b>XX</b> 7 / X	<b>1</b> 7 • 1 .	
Seq Number: 3149451		Ĩ			Basis:	Wet V	Veight	
Parameter	Cas Number	Result RI		Units	Analysis D	ate	Flan	Dil

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	01.29.2021 21:46	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.29.2021 21:46	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.29.2021 21:46	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.29.2021 21:46	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.29.2021 21:46	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.29.2021 21:46	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	01.29.2021 21:46	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	113	%	70-130	01.29.2021 21:46		
4-Bromofluorobenzene		460-00-4	105	%	70-130	01.29.2021 21:46		

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:EH1 @ SurfaceLab Sample Id:686001-003		Matrix: Date Colle	Soil ected: 01.25.2	2021 00:00		Date Received:01.2	27.2021 11:	:50
Analytical Method: Chloride by El	PA 300					Prep Method: E30	)0P	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28.2	2021 08:15		% Moisture: Basis: We		
Seq Number: 3149314						Dasis: we	t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	456	4.96		mg/kg	01.28.2021 19:23		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep	: 01.30.2	2021 10:00		% Moisture:	78015P t Weight	
Tech:DVMAnalyst:ARMSeq Number:3149591	15 Mod Cas Number	Date Prep <b>Result</b>	: 01.30.2 RL	2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter		ľ		2021 10:00		% Moisture: Basis: We	t Weight	<b>Dil</b>
Tech: DVM Analyst: ARM	Cas Number	Result	RL	2021 10:00	Units	% Moisture: Basis: We Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.9	<b>RL</b> 49.9	2021 10:00	Units mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 15:55	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <49.9 <49.9	<b>RL</b> 49.9 49.9	2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: We <u>Analysis Date</u> 01.30.2021 15:55 01.30.2021 15:55	t Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 15:55 01.30.2021 15:55 01.30.2021 15:55 01.30.2021 15:55	t Weight Flag U U U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 C	Result <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 15:55 01.30.2021 15:55 01.30.2021 15:55 01.30.2021 15:55 01.30.2021 15:55 Analysis Date	t Weight Flag U U U U Flag	1 1 1

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id	<b>EH1 @ Surface</b> l: 686001-003		Matrix: Date Co	Soil llected: 01.25.2021 00:00		Date Received	1:01.27	7.2021 11:	50
Analytical Me	thod: BTEX by EPA 8	021B				Prep Method:	SW5	035A	
Tech: Analyst: Seq Number:	KTL KTL 3149451		Date Pre	p: 01.29.2021 13:45		% Moisture: Basis:	Wet	Weight	
Parameter		Cas Number	Result	RL	Units	Analysis D	ate	Flag	Dil
Benzene		71-43-2	< 0.00202	0.00202	mg/kg	01.29.2021 22	2:07	U	1

4-Bromofluorobenzene		460-00-4	106	%	70-130	01.29.2021 22:07			
1,4-Difluorobenzene		540-36-3	110	%	70-130	01.29.2021 22:07			
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
Total BTEX		< 0.00202	0.00202		mg/kg	01.29.2021 22:07	U	1	
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.29.2021 22:07	U	1	
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.29.2021 22:07	U	1	
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	01.29.2021 22:07	U	1	
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.29.2021 22:07	U	1	
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	01.29.2021 22:07	U	1	
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	01.29.2021 22:07	U	1	

Environment Testin Xenco

## **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>EH1 @ 1'</b> Lab Sample Id: 686001-004		Matrix: Date Col	Soil llected: 01.25.	.2021 00:00		Date Received:01.27.2021 11:: Sample Depth: 1 ft		
Analytical Method: Chloride by El	PA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Prep	p: 01.28.	.2021 08:15		% Moisture: Basis: Wet	Weight	
Seq Number: 3149314							weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	180	5.02		mg/kg	01.28.2021 19:28		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prej	p: 01.30.	.2021 10:00		% Moisture:	8015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	p: 01.30. <b>RL</b>	.2021 10:00		% Moisture:		Dil
Tech:DVMAnalyst:ARMSeq Number:3149591			F	.2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	: Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	RL 50.0	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:17	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	RL 50.0 50.0	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:17 01.30.2021 16:17	EWeight Flag U U	1 1
Tech:       DVM         Analyst:       ARM         Seq Number:       3149591         Parameter       Gasoline Range Hydrocarbons (GRO)         Diesel Range Organics (DRO)       Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:17 01.30.2021 16:17 01.30.2021 16:17 01.30.2021 16:17	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:17 01.30.2021 16:17 01.30.2021 16:17 01.30.2021 16:17 01.30.2021 16:17 Mnalysis Date	E Weight Flag U U U U Flag	1 1 1

#### Environment Testin Xenco

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: EH Lab Sample Id: 686	<b>1</b> @ <b>1'</b> 001-004	Matrix: Date Collecte	Matrix: Soil Date Collected: 01.25.2021 00:00			l:01.27.202 : 1 ft	1 11:50
Analytical Method:	BTEX by EPA 8021B				Prep Method:	SW5035A	
Tech: KTI Analyst: KTI			01.29.2021 13:45		% Moisture:		
Seq Number: 3149		Date Prep:	01.29.2021 15:45		Basis:	Wet Weig	ht
Parameter	Cas Number	Result RI		Units	Analysis D	ate Fla	7 Dil

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.29.2021 22:27	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.29.2021 22:27	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.29.2021 22:27	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	01.29.2021 22:27	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.29.2021 22:27	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.29.2021 22:27	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.29.2021 22:27	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	111	%	70-130	01.29.2021 22:27		
4-Bromofluorobenzene		460-00-4	108	%	70-130	01.29.2021 22:27		

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:EH2 @ SurfaceLab Sample Id:686001-005		Matrix: Date Coll	Soil ected: 01.25.	.2021 00:00		Date Received:01.2	27.2021 11	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Prep	o: 01.28.	.2021 09:00		% Moisture:	***	
Seq Number: 3149315		1				Basis: Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	140	5.05		mg/kg	01.28.2021 14:16		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method:TPH by SW80Tech:DVMAnalyst:ARMSeq Number:3149591	15 Mod	Date Prep	o: 01.30.	.2021 10:00		% Moisture:	8015P Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	-	p: 01.30. RL	.2021 10:00		% Moisture:		Dil
Tech:DVMAnalyst:ARMSeq Number:3149591		-		.2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <50.0	<b>RL</b> 50.0	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:38	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	<b>RL</b> 50.0 50.0	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:38 01.30.2021 16:38	Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:38 01.30.2021 16:38 01.30.2021 16:38 01.30.2021 16:38	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:38 01.30.2021 16:38 01.30.2021 16:38 01.30.2021 16:38 01.30.2021 16:38	Weight Flag U U U U U Flag	1 1 1

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id	Sample Id:EH2 @ SurfaceLab Sample Id:686001-005			Soil llected: 01.25.2021 00:00		Date Received:01.27.2021 11:50			
Analytical Me	ethod: BTEX by EPA 8	021B				Prep Method: SV	V5035A		
Tech:	KTL								
Analyst:	KTL		Date Pre	ep: 01.29.2021 13:45		% Moisture: Basis: W	et Weight		
Seq Number:	3149451					Dasis. W	et weight		
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil	
Benzene		71-43-2	< 0.00199	0.00199	mg/kg	01.29.2021 22:48	U	1	
Toluene		108-88-3	< 0.00199	0.00199	mg/kg	01.29.2021 22:48	U	1	

Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.29.2021 22:48	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.29.2021 22:48	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.29.2021 22:48	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.29.2021 22:48	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.29.2021 22:48	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	01.29.2021 22:48	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	101	%	70-130	01.29.2021 22:48		
1,4-Difluorobenzene		540-36-3	107	%	70-130	01.29.2021 22:48		

Xenco

## **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>EH2 @ 1'</b> Lab Sample Id: 686001-006		Matrix: Date Colle	Soil ected: 01.25.	2021 00:00		Date Received:01.2 Sample Depth: 1 ft	27.2021 11:	50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech: CHE						0/ <b>)</b> ( )		
Analyst: CHE		Date Prep	o: 01.28.	2021 09:00		% Moisture: Basis: Wet	Weight	
Seq Number: 3149315							weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	93.4	4.96		mg/kg	01.28.2021 14:32		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591		Date Prep		2021 10:00		% Moisture:	8015P t Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	o: 01.30. RL	2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591				2021 10:00		% Moisture: Basis: Wet	t Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter	Cas Number	Result	RL	2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	: Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	<b>Result</b> <49.9	<b>RL</b> 49.9	2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:59	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:59 01.30.2021 16:59	t Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:59 01.30.2021 16:59 01.30.2021 16:59 01.30.2021 16:59	t Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 16:59 01.30.2021 16:59 01.30.2021 16:59 01.30.2021 16:59 Mnalysis Date	: Weight Flag U U U U Flag	1 1 1

#### Environment Testi Xenco

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>EH2</b> @ <b>1'</b> Lab Sample Id: 686001-006				Date Received:01.27.2021 Sample Depth: 1 ft				50
Analytical Method: BTEX by EPA	8021B				Prep Method:	SW5	035A	
Tech: KTL Analyst: KTL		Date Prep:	01.29.2021 13:45		% Moisture:		<b>T</b> T <b>1</b> .	
Seq Number: 3149451		ľ			Basis:	wet	Weight	
Parameter	Cas Number	Result RI	,	Units	Analysis D	ate	Flag	Dil

Parameter	Cas Numbe	er Kesult	KL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	01.29.2021 23:09	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	01.29.2021 23:09	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	01.29.2021 23:09	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	01.29.2021 23:09	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	01.29.2021 23:09	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	01.29.2021 23:09	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	01.29.2021 23:09	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	105	%	70-130	01.29.2021 23:09		
1,4-Difluorobenzene		540-36-3	108	%	70-130	01.29.2021 23:09		

Environment Testing Xenco

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:SH1 @ SurfaceLab Sample Id:686001-007		Matrix: Date Coll	Soil lected: 01.25	.2021 00:00		Date Received:01.2	27.2021 11	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	00P	
Tech: CHE								
Analyst: CHE		Date Prep	o: 01.28	.2021 09:00		% Moisture: Basis: We	4 W/-:-1-4	
Seq Number: 3149315						Dasis: we	t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	187	4.99		mg/kg	01.28.2021 14:37		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	78015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep	o: 01.30	.2021 10:00		% Moisture:	78015P et Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep <b>Result</b>	5: 01.30 <b>RL</b>	.2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter				.2021 10:00		% Moisture: Basis: We	t Weight	<b>Dil</b> 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: We Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	<b>Result</b> <49.9	<b>RL</b> 49.9	.2021 10:00	Units mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 17:20	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: We <u>Analysis Date</u> 01.30.2021 17:20 01.30.2021 17:20	t Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 17:20 01.30.2021 17:20 01.30.2021 17:20 01.30.2021 17:20	t Weight Flag U U U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 17:20 01.30.2021 17:20 01.30.2021 17:20 01.30.2021 17:20 Analysis Date	t Weight Flag U U U U Flag	1 1 1

### **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample I	<b>SH1 @ Surface</b> d: 686001-007		Matrix: Date Co	Soil llected: 01.25.2021 00	:00	Date Received	1:01.27	7.2021 11	:50
Analytical Mo	ethod: BTEX by EPA 8	3021B				Prep Method:	SW5	035A	
Tech: Analyst: Seq Number:	KTL KTL 3149451		Date Pre	ep: 01.29.2021 13	:45	% Moisture: Basis:	Wet '	Weight	
Parameter		Cas Number	Result	RL	Units	Analysis D	ate	Flag	Dil
Benzene		71-43-2	< 0.00202	0.00202	mg/kg	01.30.2021 0	0:34	U	1

Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
Total BTEX		<0.00202	0.00202		mg/kg	01.30.2021 00:34	U	1	
5		-0.00202	0.00202		00	01 20 2021 00.24	TT	1	
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.30.2021 00:34	U	1	
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.30.2021 00:34	U	1	
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	01.30.2021 00:34	U	1	
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.30.2021 00:34	U	1	
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	01.30.2021 00:34	U	1	
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	01.30.2021 00:34	U	1	

Environment Testin Xenco

## **Certificate of Analytical Results 686001**

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SH1 @ 1' Lab Sample Id: 686001-008		Matrix: Date Coll	Soil ected: 01.25	.2021 00:00		Date Received:01.2 Sample Depth: 1 ft	7.2021 11	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28	.2021 09:00		% Moisture: Basis: Wet	Waight	
Seq Number: 3149315						Dasis. Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	71.3	4.95		mg/kg	01.28.2021 14:42		1
Analytical Method: TPH by SW80 Tech: DVM	15 Mod					Prep Method: SW8	3015P	
5	15 Mod	Date Prep	e: 01.30	.2021 10:00		% Moisture:	3015P Weight	
Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod Cas Number	Date Prep Result	: 01.30. <b>RL</b>	.2021 10:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter		-		.2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result <49.8	<b>RL</b> 49.8	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 17:41	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.8 <49.8	<b>RL</b> 49.8 49.8	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 17:41 01.30.2021 17:41	Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.8 <49.8 <49.8 <49.8 <49.8	<b>RL</b> 49.8 49.8 49.8	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 17:41 01.30.2021 17:41 01.30.2021 17:41 01.30.2021 17:41	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 C	<b>Result</b> <49.8 <49.8 <49.8 <49.8 <49.8	<b>RL</b> 49.8 49.8 49.8 49.8 49.8		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 17:41 01.30.2021 17:41 01.30.2021 17:41 01.30.2021 17:41 Mnalysis Date	Weight Flag U U U U Flag	1 1 1
## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SH1 @ 1' Lab Sample Id: 686001-008		Matrix: Date Collecte	Soil d: 01.25.2021 00:00	Date Recei Sample De	ved:01.27.2021 11 pth: 1 ft	:50
Analytical Method: BTEX by EPA	8021B			Prep Metho	od: SW5035A	
Tech: KTL Analyst: KTL		Date Prep:	01.29.2021 13:45	% Moisture Basis:		
Seq Number: 3149451		-		Dasis.	Wet Weight	
Parameter	Cas Number	Result RI	. T	Inits Analysi	s Date Flag	Dil

Parameter	Cas Numbe	r Kesult	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.30.2021 00:54	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.30.2021 00:54	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.30.2021 00:54	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	01.30.2021 00:54	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.30.2021 00:54	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.30.2021 00:54	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.30.2021 00:54	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	113	%	70-130	01.30.2021 00:54		
4-Bromofluorobenzene		460-00-4	107	%	70-130	01.30.2021 00:54		

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id	<b>SH2 @ Surface</b> : 686001-009		Matrix: Date Co	Soil Illected: 01.25	.2021 00:00		Date Received:01.2	27.2021 11	:50
Analytical Met	thod: Chloride by EP	PA 300					Prep Method: E30	0P	
Tech:	CHE								
Analyst:	CHE		Date Pre	ep: 01.28	.2021 09:00		% Moisture: Basis: Wet	<b>W</b> 7 * 17	
Seq Number:	3149315						Dasis: Wet	Weight	
Parameter		Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	249	5.04		mg/kg	01.28.2021 14:47		1
•	thod: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Tech:	DVM ARM	15 Mod	Date Pre	ep: 01.30.	.2021 10:00		% Moisture:	8015P t Weight	
Tech: Analyst:	DVM ARM	15 Mod Cas Number		ep: 01.30. <b>RL</b>	.2021 10:00	Units	% Moisture:		Dil
Tech: Analyst: Seq Number: Parameter	DVM ARM				.2021 10:00		% Moisture: Basis: Wet	t Weight	<b>Dil</b> 1
Tech: Analyst: Seq Number: <b>Parameter</b>	DVM ARM 3149591 Hydrocarbons (GRO)	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	t Weight Flag	
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org	DVM ARM 3149591 Hydrocarbons (GRO)	Cas Number PHC610	Result <50.0	RL 50.0	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 18:02	t Weight Flag U	1
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org Motor Oil Range Hy	DVM ARM 3149591 Hydrocarbons (GRO) ganics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	RL 50.0 50.0	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 18:02 01.30.2021 18:02	t Weight Flag U U	1 1
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org Motor Oil Range Hy	DVM ARM 3149591 Hydrocarbons (GRO) ganics (DRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 18:02 01.30.2021 18:02 01.30.2021 18:02 01.30.2021 18:02	t Weight Flag U U U U	1 1 1
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org Aotor Oil Range Hy Fotal TPH	DVM ARM 3149591 Hydrocarbons (GRO) ganics (DRO) ydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 18:02 01.30.2021 18:02 01.30.2021 18:02 01.30.2021 18:02 Analysis Date	: Weight Flag U U U U Flag	1 1 1

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample I	<b>SH2</b> @ <b>Surface</b> d: 686001-009		Matrix: Date Co	Soil llected: 01.25.2021 00	):00	Date Received:0	1.27.2021 11	:50
Analytical Me	ethod: BTEX by EPA	8021B				Prep Method: S	W5035A	
Tech:	KTL							
Analyst:	KTL		Date Pre	ep: 01.29.2021 13	3:45	% Moisture: Basis: W	7 . 337 . 1 .	
Seq Number:	3149451			•		Dasis: W	/et Weight	
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene		71-43-2	< 0.00199	0.00199	mg/kg	01.30.2021 01:15	5 U	1
Toluene		108-88-3	<0.00199	0.00199	mg/kg	01 30 2021 01.14	5 U	1

Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.30.2021 01:15	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.30.2021 01:15	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.30.2021 01:15	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.30.2021 01:15	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.30.2021 01:15	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	01.30.2021 01:15	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	118	%	70-130	01.30.2021 01:15		
1,4-Difluorobenzene		540-36-3	120	%	70-130	01.30.2021 01:15		

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SH2 @ Lab Sample Id: 686001-		Matrix: Date Co	Soil llected: 01.25.	2021 00:00		Date Received:01. Sample Depth: 1 f		:50
Analytical Method: Ch	loride by EPA 300					Prep Method: E3	00P	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Pre	ep: 01.28.	2021 09:00		/	et Weight	
Seq Number: 3149315							er weight	
Parameter	Cas Numbe	er Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	120	4.99		mg/kg	01.28.2021 15:03		1
Analytical Method: TP	H by SW8015 Mod					Prep Method: SW	V8015P	
Tech: DVM Analyst: ARM Seq Number: 3149591		Date Pre		2021 10:00	Unite	% Moisture: Basis: We	et Weight	Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter	Cas Numbe	er Result	RL	2021 10:00	Units	% Moisture: Basis: We Analysis Date	et Weight Flag	Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbo	Cas Numberns (GRO) PHC610	er Result	<b>RL</b> 50.0	2021 10:00	mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 18:23	et Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbo Diesel Range Organics (DR	Cas Number ns (GRO) PHC610 D) C10C28DRO	er Result <50.0 > <50.0	<b>RL</b> 50.0 50.0	2021 10:00	mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 18:23 01.30.2021 18:23	et Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbo	Cas Numbo ns (GRO) PHC610 D) C10C28DRO	er Result	<b>RL</b> 50.0	2021 10:00	mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 18:23	et Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbo Diesel Range Organics (DR) Motor Oil Range Hydrocarbos	Cas Number ns (GRO) PHC610 O) C10C28DRO (MRO) PHCG2835	er Result <pre></pre>	RL 50.0 50.0 50.0	2021 10:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 18:23 01.30.2021 18:23 01.30.2021 18:23 01.30.2021 18:23	et Weight Flag U U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbon Diesel Range Organics (DR Motor Oil Range Hydrocarbons Total TPH	Cas Number ns (GRO) PHC610 O) C10C28DRO (MRO) PHCG2835	er Result <pre></pre>	RL 50.0 50.0 50.0 50.0 50.0		mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 18:23 01.30.2021 18:23 01.30.2021 18:23 01.30.2021 18:23 01.30.2021 18:23 5 Analysis Date	et Weight Flag U U U U U E Flag	1 1 1

#### Environment Testin Xenco

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SI Lab Sample Id: 68	<b>H2 @ 1'</b> 86001-010		Matrix: Date Collected	Soil d: 01.25.2021 00:00		Date Received Sample Depth	:01.27.2021 11 : 1 ft	:50
Analytical Method	d: BTEX by EPA 8021	В				Prep Method:	SW5035A	
Tech: KT Analyst: KT				01.29.2021 13:45		% Moisture:		
Seq Number: 31			Date Prep:	01.29.2021 15:43		Basis:	Wet Weight	
Danamatan		Cog Number	Docult DI		T	An alanta D	t Flag	D:1

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.30.2021 01:36	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.30.2021 01:36	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.30.2021 01:36	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	01.30.2021 01:36	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.30.2021 01:36	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.30.2021 01:36	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.30.2021 01:36	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	110	%	70-130	01.30.2021 01:36		
4-Bromofluorobenzene		460-00-4	107	%	70-130	01.30.2021 01:36		

Environment Testing Xenco

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: WH Lab Sample Id: 6860	@ Surface 01-011		Matrix: Date Co	Soil llected: 01.25	.2021 00:00		Date Received:01.2	27.2021 11:	50
Analytical Method:	Chloride by EPA 300	0					Prep Method: E30	00P	
Tech: CHE									
Analyst: CHE			Date Pre	ep: 01.28	.2021 09:00		% Moisture: Basis: We		
Seq Number: 31493	315			-			basis: we	et Weight	
Parameter		Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16	5887-00-6	20.2	4.97		mg/kg	01.28.2021 15:08		1
Analytical Method:	TPH by SW8015 Mo	od					Prep Method: SW	78015P	
Analytical Method: 7 Tech: DVM Analyst: ARM Seq Number: 31495		od	Date Pre	ep: 01.30	.2021 10:00		% Moisture:	/8015P et Weight	
Tech: DVM Analyst: ARM Seq Number: 31495	591	od C <b>as Number</b>	Date Pre Result	ep: 01.30 RL	.2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 31495 Parameter	591			1	.2021 10:00		% Moisture: Basis: We	et Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 31495 Parameter Gasoline Range Hydroca	591 rbons (GRO) PI	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: We Analysis Date	et Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 31495 Parameter Gasoline Range Hydroca Diesel Range Organics (I	591 rbons (GRO) PH DRO) C	<b>Cas Number</b> HC610	<b>Result</b> <49.9	RL 49.9	.2021 10:00	Units mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 19:05	t Weight Flag U	1
Tech: DVM Analyst: ARM	591 rbons (GRO) PI DRO) C ons (MRO) PI	<b>Cas Number</b> HC610 10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: We <u>Analysis Date</u> 01.30.2021 19:05 01.30.2021 19:05	et Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 31495 Parameter Gasoline Range Hydrocaa Diesel Range Organics (I Motor Oil Range Hydrocaab	591 rbons (GRO) PI DRO) C ons (MRO) PI	<b>Cas Number</b> HC610 10C28DRO HCG2835 HC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	RL 49.9 49.9 49.9	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 19:05 01.30.2021 19:05 01.30.2021 19:05 01.30.2021 19:05	t Weight Flag U U U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 31495 Parameter Gasoline Range Hydrocar Diesel Range Organics (I Motor Oil Range Hydrocarbo Fotal TPH	591 rbons (GRO) PI DRO) C ons (MRO) PI	Cas Number HC610 10C28DRO HCG2835 HC635 C	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 19:05 01.30.2021 19:05 01.30.2021 19:05 01.30.2021 19:05 01.30.2021 19:05 Analysis Date	et Weight Flag U U U U U Flag	1 1 1

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample I	<b>WH @ Surface</b> d: 686001-011		Matrix: Date Co	Soil llected: 01.25.2021 00	):00	Date Received:01	.27.2021 11	:50
Analytical M	ethod: BTEX by EPA	A 8021B				Prep Method: SV	W5035A	
Tech:	KTL							
Analyst:	KTL		Date Pre	ep: 01.29.2021 13	:45	% Moisture:		
Seq Number:	3149451					Basis: W	et Weight	
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene		71-43-2	< 0.00198	0.00198	mg/kg	01.30.2021 01:57	U	1
Toluene		108-88-3	< 0.00198	0.00198	mg/kg	01.30.2021 01:57	U	1

Т	oluene	108-88-3	< 0.00198	0.00198		mg/kg	01.30.2021 01:57	U	1	
Е	Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	01.30.2021 01:57	U	1	
n	n,p-Xylenes	179601-23-1	< 0.00396	0.00396		mg/kg	01.30.2021 01:57	U	1	
0	-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	01.30.2021 01:57	U	1	
Т	otal Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	01.30.2021 01:57	U	1	
Т	otal BTEX		< 0.00198	0.00198		mg/kg	01.30.2021 01:57	U	1	
	Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
	4-Bromofluorobenzene		460-00-4	112	%	70-130	01.30.2021 01:57			
	1,4-Difluorobenzene		540-36-3	111	%	70-130	01.30.2021 01:57			

# **Certificate of Analytical Results 686001**

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>WH @ 1'</b> Lab Sample Id: 686001-012		Matrix: Date Colle	Soil ected: 01.25	.2021 00:00		Date Received:01.2 Sample Depth: 1 ft	7.2021 11	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E300	0P	
Tech: CHE								
Analyst: CHE		Date Prepa	: 01.28	.2021 09:00		% Moisture: Basis: Wet	Waight	
Seq Number: 3149315		-				Dasis. wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.18	5.04		mg/kg	01.28.2021 15:13		1
Analytical Method: TPH by SW80 Tech: DVM	15 Mod					Prep Method: SW8	3015P	
5	15 Mod	Date Prep	: 01.30	.2021 10:00		% Moisture:	3015P Weight	
Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod Cas Number	Date Preps Result	: 01.30. <b>RL</b>	.2021 10:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter				.2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result <49.8	<b>RL</b> 49.8	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 19:27	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.8 <49.8	<b>RL</b> 49.8 49.8	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 19:27 01.30.2021 19:27	Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.8 <49.8 <49.8 <49.8 <49.8	<b>RL</b> 49.8 49.8 49.8	.2021 10:00	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 19:27 01.30.2021 19:27 01.30.2021 19:27 01.30.2021 19:27	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <49.8 <49.8 <49.8 <49.8 <49.8	<b>RL</b> 49.8 49.8 49.8 49.8 49.8		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 19:27 01.30.2021 19:27 01.30.2021 19:27 01.30.2021 19:27 Mnalysis Date	Weight Flag U U U U Flag	1 1 1

# Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>WH @ 1'</b> Lab Sample Id: 686001-012		Matrix: Date Collecte	Soil d: 01.25.2021 00:00		Date Received Sample Depth		.2021 11:	:50
Analytical Method: BTEX by EPA	8021B				Prep Method:	SW50	035A	
Tech: KTL Analyst: KTL		Date Prep:	01.29.2021 13:45		% Moisture:			
Seq Number: 3149451		Date Hep.	011202021 10110		Basis:	Wet V	Weight	
Parameter	Cas Number	Result RI	·	Units	Analysis D	ate	Flag	Dil

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	01.30.2021 02:17	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.30.2021 02:17	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.30.2021 02:17	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.30.2021 02:17	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.30.2021 02:17	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.30.2021 02:17	U	1
Total BTEX		<0.00199	0.00199		mg/kg	01.30.2021 02:17	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	115	%	70-130	01.30.2021 02:17		
4-Bromofluorobenzene		460-00-4	112	%	70-130	01.30.2021 02:17		

# **Certificate of Analytical Results 686001**

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:SP1 @ SurfaceLab Sample Id:686001-013		Matrix: Date Colle	Soil ected: 01.25.	2021 00:00		Date Received:01.2	7.2021 11	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28.	2021 09:00		% Moisture: Basis: Wet	*** * 1 /	
Seq Number: 3149315						Basis: Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	963	4.98		mg/kg	01.28.2021 15:18		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	3015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep	: 01.30.	2021 10:00		% Moisture:	3015P Weight	
Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod Cas Number	Date Prep Result	: 01.30. <b>RL</b>	2021 10:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter				2021 10:00	Units mg/kg	% Moisture: Basis: Wet	Weight	<b>Dil</b> 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	2021 10:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result	<b>RL</b> 50.0	2021 10:00	mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 19:48	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	Result <50.0 <50.0	<b>RL</b> 50.0 50.0	2021 10:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 19:48 01.30.2021 19:48	Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	2021 10:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 19:48 01.30.2021 19:48 01.30.2021 19:48 01.30.2021 19:48	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0 50.0		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 19:48 01.30.2021 19:48 01.30.2021 19:48 01.30.2021 19:48 01.30.2021 19:48	Weight Flag U U U U Flag	1 1 1

# **Certificate of Analytical Results 686001**

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id	<b>SP1 @ Surface</b> : 686001-013		Matrix: Date Co	Soil llected: 01.25.2021 00:	00	Date Received:0	1.27.2021 11	1:50
Analytical Me	thod: BTEX by EPA 8	021B				Prep Method: S	W5035A	
Tech: Analyst: Seq Number:	KTL KTL 3149451		Date Pre	ep: 01.29.2021 13:-	45	% Moisture: Basis: W	/et Weight	
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene		71-43-2	< 0.00202	0.00202	mg/kg	01.30.2021 02:38	8 U	1

lizene	71-45-2	<0.00202	0.00202		iiig/kg	01.30.2021 02.30	U	1	
luene	108-88-3	< 0.00202	0.00202		mg/kg	01.30.2021 02:38	U	1	
hylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.30.2021 02:38	U	1	
p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	01.30.2021 02:38	U	1	
Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.30.2021 02:38	U	1	
tal Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.30.2021 02:38	U	1	
tal BTEX		< 0.00202	0.00202		mg/kg	01.30.2021 02:38	U	1	
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
4-Bromofluorobenzene		460-00-4	115	%	70-130	01.30.2021 02:38			
1,4-Difluorobenzene		540-36-3	115	%	70-130	01.30.2021 02:38			
	luene hylbenzene p-Xylenes Xylene tal Xylenes tal BTEX <b>Surrogate</b> 4-Bromofluorobenzene	Juene       108-88-3         hylbenzene       100-41-4         p-Xylenes       179601-23-1         Xylene       95-47-6         tal Xylenes       1330-20-7         tal BTEX       Surrogate         4-Bromofluorobenzene       140-14-14	Juene     108-88-3     <0.00202	Juene       108-88-3       <0.00202	Juene       108-88-3       <0.00202	bluene       108-88-3       <0.00202	108-88-3       <0.00202	108-88-3       <0.00202	hullene       108-88-3       <0.00202

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SP1 @ 3' Lab Sample Id: 686001-014		Matrix: Date Col	Soil llected: 01.25.	.2021 00:00		Date Received:01.2 Sample Depth: 3 ft		50
Analytical Method: Chloride by EP	PA 300					Prep Method: E30	00P	
Tech: CHE								
Analyst: CHE		Date Prep	p: 01.28.	.2021 09:00		% Moisture: Basis: We	t Weight	
Seq Number: 3149315						Dasis. We	t weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	639	4.96		mg/kg	01.28.2021 15:24		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prej	p: 01.30.	.2021 10:00		% Moisture:	8015P t Weight	
Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod Cas Number	Date Prep Result	p: 01.30. <b>RL</b>	.2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter			F.	.2021 10:00		% Moisture: Basis: We	t Weight	<b>Dil</b>
Tech: DVM Analyst: ARM	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: We Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.9	<b>RL</b> 49.9	.2021 10:00	Units mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:10	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: We <u>Analysis Date</u> 01.30.2021 20:10 01.30.2021 20:10	t Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:10 01.30.2021 20:10 01.30.2021 20:10 01.30.2021 20:10	t Weight Flag U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Farameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Hotor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:10 01.30.2021 20:10 01.30.2021 20:10 01.30.2021 20:10 Mnalysis Date	t Weight Flag U U U U Flag	1 1 1

#### Environment Testin Xenco

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SP1 @ 3' Lab Sample Id: 686001-014		Matrix: Date Collecte	Soil d: 01.25.2021 00:00		Date Received:01.27.2021 11:50 Sample Depth: 3 ft	
Analytical Method: BTEX by EPA	8021B				Prep Method: SW5035A	
Tech: KTL Analyst: KTL		Date Prep:	01.29.2021 13:45		% Moisture: Basis: Wet Weight	
Seq Number: 3149451					Basis: Wet Weight	
Parameter	Cas Number	Result RI	·	Units	Analysis Date Flag Dil	

Parameter	Cas Numbe	r Kesult	KL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	01.30.2021 02:59	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	01.30.2021 02:59	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.30.2021 02:59	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	01.30.2021 02:59	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.30.2021 02:59	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.30.2021 02:59	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	01.30.2021 02:59	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	105	%	70-130	01.30.2021 02:59		
4-Bromofluorobenzene		460-00-4	129	%	70-130	01.30.2021 02:59		

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Sample Id: 6	<b>SP2</b> @ <b>Surface</b> 686001-015		Matrix: Date Col	Soil llected: 01.25	.2021 00:00		Date Received:01.2	27.2021 11:	50
Analytical Metho	od: Chloride by EPA	A 300					Prep Method: E30	0P	
Tech: C	CHE								
Analyst: C	CHE		Date Pre	p: 01.28	.2021 09:00		% Moisture: Basis: Wet	<b>XX</b> 7 * 1 /	
Seq Number: 3	3149315			-			basis: wet	t Weight	
Parameter		Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	510	4.96		mg/kg	01.28.2021 15:29		1
Analytical Metho	od: TPH by SW801	5 Mod					Prep Method: SW	8015P	
Tech: D	DVM ARM	5 Mod	Date Pre	p: 01.30	.2021 10:00		% Moisture:	8015P t Weight	
Tech: D Analyst: A	DVM ARM	5 Mod Cas Number	Date Pre Result	p: 01.30 <b>RL</b>	.2021 10:00		% Moisture:		Dil
Tech: D Analyst: A Seq Number: 3 Parameter	DVM ARM 8149591			1	.2021 10:00		% Moisture: Basis: Wet	t Weight	<b>Dil</b>
Tech: D Analyst: A Seq Number: 3 Parameter Gasoline Range Hyd	OVM ARM B149591 rdrocarbons (GRO)	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	t Weight Flag	
Tech: D Analyst: A Seq Number: 3 Parameter Gasoline Range Hyd Diesel Range Organ	OVM ARM B149591 rdrocarbons (GRO) nics (DRO)	Cas Number PHC610	Result	RL 50.0	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 20:31	t Weight Flag U	1
Tech: D Analyst: A Seq Number: 3	OVM ARM B149591 rdrocarbons (GRO) nics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	RL 50.0 50.0	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 20:31 01.30.2021 20:31	t Weight Flag U U	1 1
Tech: D Analyst: A Seq Number: 3 Parameter Gasoline Range Hydr Diesel Range Organ Motor Oil Range Hydr	OVM ARM B149591 rdrocarbons (GRO) nics (DRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 20:31 01.30.2021 20:31 01.30.2021 20:31 01.30.2021 20:31	t Weight Flag U U U	1 1 1
Tech: D Analyst: A Seq Number: 3 Parameter Gasoline Range Hydr Diesel Range Organ Motor Oil Range Hydr Fotal TPH	DVM ARM 8149591 rdrocarbons (GRO) nics (DRO) rocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 20:31 01.30.2021 20:31 01.30.2021 20:31 01.30.2021 20:31 01.30.2021 20:31 Analysis Date	t Weight Flag U U U U Flag	1 1 1

#### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id:	<b>SP2 @ Surface</b> : 686001-015		Matrix: Date Co	Soil llected: 01.25.2021 00	:00	Date Received:	01.27.2021 1	1:50
Analytical Met	hod: BTEX by EPA 8	021B				Prep Method: S	SW5035A	
Tech:	KTL							
Analyst:	KTL		Date Pre	ep: 01.29.2021 13	:45	% Moisture: Basis:	X7 / XX7 * 1 /	
Seq Number:	3149451			•		Dasis:	Wet Weight	
Parameter		Cas Number	Result	RL	Units	Analysis Dat	e Flag	Dil
Benzene		71-43-2	< 0.00200	0.00200	mg/kg	01.30.2021 03:2	20 U	1

			0.00-00			0.000.000000000000000000000000000000000	-	-	
oluene	108-88-3	< 0.00200	0.00200		mg/kg	01.30.2021 03:20	U	1	
thylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.30.2021 03:20	U	1	
n,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	01.30.2021 03:20	U	1	
-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.30.2021 03:20	U	1	
otal Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.30.2021 03:20	U	1	
otal BTEX		< 0.00200	0.00200		mg/kg	01.30.2021 03:20	U	1	
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
4-Bromofluorobenzene		460-00-4	111	%	70-130	01.30.2021 03:20			
1,4-Difluorobenzene		540-36-3	117	%	70-130	01.30.2021 03:20			
	4-Bromofluorobenzene	thylbenzene       100-41-4         n,p-Xylenes       179601-23-1         -Xylene       95-47-6         total Xylenes       1330-20-7         total BTEX       Surrogate         4-Bromofluorobenzene       4-Bromofluorobenzene	100-41-4     <0.00200	100-41-4       <0.00200	100-41-4       <0.00200	hybenzene       100-41-4       <0.00200	http://withintermediate       100-41-4       <0.00200	http://withinterview       100-41-4       <0.00200	thylbenzene       100-41-4       <0.00200

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SP2 @ 1' Lab Sample Id: 686001-016		Matrix: Date Co	Soil llected: 01.25	.2021 00:00		Date Received:01.2 Sample Depth: 1 ft		:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	00P	
Tech: CHE						% Moisture:		
Analyst: CHE		Date Pre	ep: 01.28	.2021 09:00		/	t Weight	
Seq Number: 3149315							t weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	153	5.00		mg/kg	01.28.2021 15:44		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Tech:DVMAnalyst:ARMSeq Number:3149591		Date Pre	r.	.2021 10:00	<b>T</b> 1	% Moisture: Basis: We	t Weight	Di
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: We Analysis Date	t Weight Flag	Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <50.0	RL 50.0	.2021 10:00	mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:53	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	RL 50.0 50.0	.2021 10:00	mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:53 01.30.2021 20:53	t Weight Flag U U	1 1
Tech:       DVM         Analyst:       ARM         Seq Number:       3149591         Parameter       Gasoline Range Hydrocarbons (GRO)         Diesel Range Organics (DRO)       Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	<b>Result</b> <50.0 <50.0 <50.0	RL 50.0 50.0 50.0	.2021 10:00	mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:53 01.30.2021 20:53 01.30.2021 20:53	t Weight Flag U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	RL 50.0 50.0	.2021 10:00	mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:53 01.30.2021 20:53	t Weight Flag U U	1 1
Tech:       DVM         Analyst:       ARM         Seq Number:       3149591         Parameter       Gasoline Range Hydrocarbons (GRO)         Diesel Range Organics (DRO)       Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0	.2021 10:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:53 01.30.2021 20:53 01.30.2021 20:53 01.30.2021 20:53	t Weight Flag U U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	RL 50.0 50.0 50.0 50.0 50.0		mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 20:53 01.30.2021 20:53 01.30.2021 20:53 01.30.2021 20:53 01.30.2021 20:53 6 Analysis Date	t Weight Flag U U U U Flag	1 1 1

#### Environment Testin Xenco

# Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id:	<b>SP2 @ 1'</b> 686001-016		Matrix: Date Collecte	Soil d: 01.25.2021 00:00		Date Received Sample Depth		.2021 11:	50
Analytical Meth	hod: BTEX by EPA 802	21B				Prep Method:	SW50	035A	
Tech:	KTL								
Analyst:	KTL		Date Prep:	01.29.2021 13:45		% Moisture: Basis:	Wat	Vaiaht	
Seq Number:	3149451					Dasis.	wet	Weight	
Parameter		Cas Number	Result RI		Units	Analysis D	ate	Flag	Dil

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	01.30.2021 03:40	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.30.2021 03:40	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.30.2021 03:40	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.30.2021 03:40	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.30.2021 03:40	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.30.2021 03:40	U	1
Total BTEX		<0.00199	0.00199		mg/kg	01.30.2021 03:40	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	98	%	70-130	01.30.2021 03:40		
4-Bromofluorobenzene		460-00-4	147	%	70-130	01.30.2021 03:40	**	

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:SP3 @ SurfaceLab Sample Id:686001-017		Matrix: Date Colle	Soil ected: 01.25.2	2021 00:00		Date Received:01.2	27.2021 11	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	OP	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28.2	2021 09:00		% Moisture: Basis: Wet	XX7 * 1 /	
Seq Number: 3149315						basis: wet	t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	624	4.99		mg/kg	01.28.2021 15:50		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep	: 01.30.2	2021 10:00		% Moisture:	8015P t Weight	
Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod Cas Number	Date Prep Result	: 01.30.2 RL	2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter				2021 10:00		% Moisture: Basis: Wet	t Weight	<b>Dil</b> 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM	Cas Number PHC610	Result <49.9	<b>RL</b> 49.9	2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:14	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	Result <49.9 <49.9	<b>RL</b> 49.9 49.9	2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:14 01.30.2021 21:14	t Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14	t Weight Flag U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14 Mnalysis Date	t Weight Flag U U U U Flag	1 1 1

# **Certificate of Analytical Results 686001**

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample I	<b>SP3 @ Surface</b> d: 686001-017		Matrix: Date Co	Soil llected: 01.25.2021 00:00		Date Received:01.	27.2021 11	:50
Analytical Me	ethod: BTEX by EPA 8	8021B				Prep Method: SW	75035A	
Tech:	KTL							
Analyst:	KTL		Date Pre	p: 01.29.2021 17:00		% Moisture: Basis: We	t Weight	
Seq Number:	3149452					Dasis. we	a weight	
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene		71-43-2	< 0.00199	0.00199	mg/kg	01.30.2021 07:06	UXF	1
Toluene		108-88-3	< 0.00199	0.00199	mg/kg	01.30.2021 07:06	UXF	1

Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.30.2021 07:06	UXF	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.30.2021 07:06	UXF	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.30.2021 07:06	UXF	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.30.2021 07:06	UXF	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.30.2021 07:06	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	01.30.2021 07:06	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	91	%	70-130	01.30.2021 07:06		
4-Bromofluorobenzene		460-00-4	121	%	70-130	01.30.2021 07:06		

#### Environment Testin Xenco

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>SP3 @ 1'</b> Lab Sample Id: 686001-018		Matrix: Date Coll	Soil lected: 01.25	.2021 00:00		Date Received:01.2 Sample Depth: 1 ft		50
Analytical Method: Chloride by El	PA 300					Prep Method: E30	00P	
Tech: CHE								
Analyst: CHE		Date Prep	p: 01.28	.2021 09:00		% Moisture: Basis: We	t Weight	
Seq Number: 3149315						Dasis. We	t weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	179	5.05		mg/kg	01.28.2021 16:05		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep	o: 01.30.	.2021 10:00		% Moisture:	8015P t Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	o: 01.30. RL	.2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591				.2021 10:00		% Moisture: Basis: We	t Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: We Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <50.0	<b>RL</b> 50.0	.2021 10:00	Units mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 21:36	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	<b>RL</b> 50.0 50.0	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: We <u>Analysis Date</u> 01.30.2021 21:36 01.30.2021 21:36	t Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36	t Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <50.0 <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: We Analysis Date 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36 Mnalysis Date	t Weight Flag U U U U Flag	1 1 1

#### Environment Testin Xenco

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>SP3</b> @ <b>1'</b> Lab Sample Id: 686001-018		Matrix: Date Collecte	Soil d: 01.25.2021 00:00		Date Received Sample Depth		7.2021 11::	50
Analytical Method: BTEX by EPA	8021B				Prep Method:	SW5	035A	
Tech: KTL Analyst: KTL		Date Prep:	01.29.2021 17:00		% Moisture: Basis:	Wet	Weight	
Seq Number: 3149452						et	er engine	
Parameter	Cas Number	Result RI		Units	Analysis D	ate	Flag	Dil

Parameter	Cas Numbe	r Kesult	KL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.30.2021 07:26	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.30.2021 07:26	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.30.2021 07:26	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	01.30.2021 07:26	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.30.2021 07:26	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.30.2021 07:26	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.30.2021 07:26	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	123	%	70-130	01.30.2021 07:26		
1,4-Difluorobenzene		540-36-3	108	%	70-130	01.30.2021 07:26		

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:SP4 @ SurfaceLab Sample Id:686001-019		Matrix: Date Colle	Soil ected: 01.25.2	2021 00:00		Date Received:01.2	7.2021 11:	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	OP	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28.2	2021 09:00		% Moisture: Basis: Wet	XX7 · 1 /	
Seq Number: 3149315		Ĩ				Basis: Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	664	4.98		mg/kg	01.28.2021 16:10		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	3015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep	: 01.30.2	2021 10:00		% Moisture:	3015P Weight	
Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod Cas Number	Date Prep Result	: 01.30.2 RL	2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter		Ĩ		2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM	Cas Number	Result	RL	2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result <50.0	<b>RL</b> 50.0	2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58	Weight Flag	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	Result <50.0 <50.0	<b>RL</b> 50.0 50.0	2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58 01.30.2021 21:58	Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 Analysis Date	Weight Flag U U U U Flag	1 1 1

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id	<b>SP4 @ Surface</b> 1: 686001-019		Matrix: Date Co	Soil llected: 01.25.2021 00	:00	Date Received	1:01.27.2	021 11::	50
Analytical Me	thod: BTEX by EPA 8	021B				Prep Method:	SW503	5A	
Tech: Analyst: Seq Number:	KTL KTL 3149452		Date Pre	ep: 01.29.2021 17	:00	% Moisture: Basis:	Wet We	eight	
Parameter		Cas Number	Result	RL	Units	Analysis Da	ate I	Flag	Dil
Benzene		71-43-2	< 0.00202	0.00202	mg/kg	01.30.2021 0	7:47	U	1

1,4-Difluorobenzene		540-36-3	113	70 %	70-130	01.30.2021 07:47			
4-Bromofluorobenzene		460-00-4	113	%	70-130	01.30.2021 07:47			
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
Total BTEX		< 0.00202	0.00202		mg/kg	01.30.2021 07:47	U	1	
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.30.2021 07:47	U	1	
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.30.2021 07:47	U	1	
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	01.30.2021 07:47	U	1	
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.30.2021 07:47	U	1	
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	01.30.2021 07:47	U	1	
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	01.30.2021 07:47	U	1	

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>SP4 @ 1'</b> Lab Sample Id: 686001-020		Matrix: Date Colle	Soil ected: 01.25.	.2021 00:00		Date Received:01.2 Sample Depth: 1 ft	27.2021 11:	:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	OP	
Tech: CHE								
Analyst: CHE		Date Prep:	01.28.	.2021 09:00		% Moisture: Basis: Wet	Weight	
Seq Number: 3149315						Dasis. Wei	weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	120	5.00		mg/kg	01.28.2021 16:15		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod	Date Prep:	01.30.	2021 10:00		% Moisture:	8015P t Weight	
Tech: DVM Analyst: ARM Seq Number: 3149591	15 Mod Cas Number	Date Prep: Result	01.30.	2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter				2021 10:00		% Moisture: Basis: Wet	t Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	: Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	<b>Result</b> <49.9	<b>RL</b> 49.9	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 22:20	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Basoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 22:20 01.30.2021 22:20	t Weight Flag U U	1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Basoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20	t Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149591 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20 Analysis Date	t Weight Flag U U U U Flag	1 1 1

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SP4 @ 1' Lab Sample Id: 686001-020		Matrix: Date Collecte	Soil d: 01.25.2021 00:00		Date Received Sample Depth		1:50
Analytical Method: BTEX by EP	A 8021B				Prep Method:	SW5035A	
Tech: KTL Analyst: KTL Seq Number: 3149452		Date Prep:	01.29.2021 17:00		% Moisture: Basis:	Wet Weight	
Parameter	Cas Number	Result RI		Inite	Analysis De	ata Flag	Dil

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	01.30.2021 08:08	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	01.30.2021 08:08	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	01.30.2021 08:08	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	01.30.2021 08:08	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	01.30.2021 08:08	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	01.30.2021 08:08	U	1
Total BTEX		<0.00199	0.00199		mg/kg	01.30.2021 08:08	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	114	%	70-130	01.30.2021 08:08		
1,4-Difluorobenzene		540-36-3	115	%	70-130	01.30.2021 08:08		

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id:	<b>SP5 @ Surface</b> : 686001-021		Matrix: Date Colle	Soil ected: 01.25.2	2021 00:00		Date Received:01.2	27.2021 11:	:50
Analytical Met	thod: Chloride by EF	PA 300					Prep Method: E30	0P	
Tech:	CHE								
Analyst:	CHE		Date Prep	: 01.28.2	2021 09:00		% Moisture: Basis: Wet	<b>W</b> 7 * 17	
Seq Number:	3149315		Ĩ				Basis: Wet	Weight	
Parameter		Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	929	5.00		mg/kg	01.28.2021 16:21		1
•	thod: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Tech:	DVM ARM	15 Mod	Date Prep	: 01.30.2	2021 10:00		% Moisture:	8015P t Weight	
Tech: Analyst:	DVM ARM	15 Mod Cas Number	Date Prep Result	: 01.30.2	2021 10:00		% Moisture:		Dil
Tech: Analyst: Seq Number: Parameter	DVM ARM				2021 10:00		% Moisture: Basis: Wet	t Weight	<b>Dil</b>
Tech: Analyst: Seq Number: Parameter	DVM ARM 3149595 Hydrocarbons (GRO)	Cas Number	Result	RL	2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	t Weight Flag	
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org	DVM ARM 3149595 Hydrocarbons (GRO)	Cas Number PHC610	Result <50.0	<b>RL</b> 50.0	2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:14	t Weight Flag U	1
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org	DVM ARM 3149595 Hydrocarbons (GRO) canics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <50.0 <50.0	<b>RL</b> 50.0 50.0	2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:14 01.30.2021 21:14	t Weight Flag U U	1 1
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org Motor Oil Range Hy	DVM ARM 3149595 Hydrocarbons (GRO) canics (DRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0	2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14	t Weight Flag U U U	1 1 1
Tech: Analyst: Seq Number: Parameter Gasoline Range H Diesel Range Org Aotor Oil Range Hy Fotal TPH	DVM ARM 3149595 Hydrocarbons (GRO) ganics (DRO) ydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	Result <50.0 <50.0 <50.0 <50.0	<b>RL</b> 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14 01.30.2021 21:14	: Weight Flag U U U U Flag	1 1 1

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id	<b>SP5 @ Surface</b> 1: 686001-021		Matrix: Date Col	Soil llected: 01.25.2021 00:0	0	Date Received	d:01.2	7.2021 11	:50
Analytical Me	ethod: BTEX by EPA 8	021B				Prep Method:	SW5	5035A	
Tech:	KTL								
Analyst:	KTL		Date Pre	p: 01.29.2021 17:0	0	% Moisture: Basis:	Wet	Weight	
Seq Number:	3149452					Dasis.	wei	weight	
Parameter		Cas Number	Result	RL	Units	Analysis D	ate	Flag	Dil
Benzene		71-43-2	< 0.00202	0.00202	mg/kg	01.30.2021 0	8:29	U	1

1	Benzene	71-43-2	< 0.00202	0.00202		mg/kg	01.30.2021 08:29	U	1	
5	Toluene	108-88-3	< 0.00202	0.00202		mg/kg	01.30.2021 08:29	U	1	
1	Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.30.2021 08:29	U	1	
1	m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	01.30.2021 08:29	U	1	
(	o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.30.2021 08:29	U	1	
5	Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.30.2021 08:29	U	1	
-	Total BTEX		< 0.00202	0.00202		mg/kg	01.30.2021 08:29	U	1	
	Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
	4-Bromofluorobenzene		460-00-4	114	%	70-130	01.30.2021 08:29			
	1,4-Difluorobenzene		540-36-3	113	%	70-130	01.30.2021 08:29			

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:         SP5 @ 1'           Lab Sample Id:         686001-022		Matrix: Date Colle	Soil ected: 01.25.	2021 00:00		Date Received:01.2 Sample Depth: 1 ft		:50
Analytical Method: Chloride by EF	PA 300					Prep Method: E30	00P	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28.	2021 09:00		% Moisture: Basis: Wet	Waiaht	
Seq Number: 3149315		-				Basis. we	t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	339	5.00		mg/kg	01.28.2021 16:26		1
Analytical Method: TPH by SW80 Tech: DVM	15 Mod					Prep Method: SW	8015P	
Tech: DVM Analyst: ARM Seq Number: 3149595		Date Prep		2021 10:00		% Moisture:	8015P t Weight	
Tech: DVM Analyst: ARM	15 Mod Cas Number	Date Prep Result	: 01.30. RL	2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149595				2021 10:00		% Moisture: Basis: We	t Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number	Result	RL	2021 10:00	Units	% Moisture: Basis: Wer Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.8	<b>RL</b> 49.8	2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:36	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.8 <49.8	<b>RL</b> 49.8 49.8	2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:36 01.30.2021 21:36	t Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.8 <49.8 <49.8 <49.8 <49.8	<b>RL</b> 49.8 49.8 49.8	2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36	t Weight Flag U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <49.8 <49.8 <49.8 <49.8 <49.8	<b>RL</b> 49.8 49.8 49.8 49.8		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wer Analysis Date 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36 01.30.2021 21:36 Analysis Date	t Weight Flag U U U U Flag	1 1 1

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SP5 @ 1' Lab Sample Id: 686001-022		Matrix: Date Collected	Soil : 01.25.2021 00:00	Date Receive Sample Dept	ed:01.27.2021 11:50 h: 1 ft	)
Analytical Method: BTEX by EPA	8021B			Prep Method	: SW5035A	
Tech: KTL				0/ Mainternet		
Analyst: KTL	Ι	Date Prep:	01.29.2021 17:00	% Moisture: Basis:	Wet Weight	
Seq Number: 3149452				200151	wet weight	
Donomotor	Cos Number Dog	ult DI	***	4. A. 1. • T		<b>D</b> ''

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	01.30.2021 08:49	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	01.30.2021 08:49	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	01.30.2021 08:49	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	01.30.2021 08:49	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	01.30.2021 08:49	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	01.30.2021 08:49	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	01.30.2021 08:49	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	114	%	70-130	01.30.2021 08:49		
4-Bromofluorobenzene		460-00-4	112	%	70-130	01.30.2021 08:49		

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:SP6 @ SurfaceLab Sample Id:686001-023		Matrix: Date Co	Soil ollected: 01.25	.2021 00:00		Date Received:01.2	27.2021 11	:50
Analytical Method: Chloride by EP	PA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Pro	ep: 01.28	.2021 09:00		% Moisture: Basis: Wet	XX7 * 1 /	
Seq Number: 3149315						basis: wei	t Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	639	5.02		mg/kg	01.28.2021 16:31		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW	8015P	
Tech: DVM Analyst: ARM Seq Number: 3149595		Date Pro		.2021 10:00	Unito	% Moisture: Basis: Wet	t Weight	
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	t Weight Flag	Dil
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.9	<b>RL</b> 49.9	.2021 10:00	mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	.2021 10:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58 01.30.2021 21:58	t Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	<b>Result</b> <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	.2021 10:00	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58	t Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58	t Weight Flag U U U U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 C	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	.2021 10:00 Units %	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 01.30.2021 21:58 Analysis Date	t Weight Flag U U U U Flag	1 1 1

# **Certificate of Analytical Results 686001**

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample I	<b>SP6 @ Surface</b> d: 686001-023		Matrix: Date Co	Soil llected: 01.25.2021 00	):00	Date Received:01	.27.2021 11	:50
Analytical M	ethod: BTEX by EPA	A 8021B				Prep Method: SV	W5035A	
Tech:	KTL							
Analyst:	KTL		Date Pre	ep: 01.29.2021 17	7:00	% Moisture:		
Seq Number:	3149452			•		Basis: W	et Weight	
Parameter		Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene		71-43-2	< 0.00198	0.00198	mg/kg	01.30.2021 09:10	) U	1
Toluene		108-88-3	<0.00198	0.00198	ma/ka	01 30 2021 09.10	11	1

Toluene	108-88-3	< 0.00198	0.00198		mg/kg	01.30.2021 09:10	U	1	
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	01.30.2021 09:10	U	1	
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	01.30.2021 09:10	U	1	
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	01.30.2021 09:10	U	1	
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	01.30.2021 09:10	U	1	
Total BTEX		< 0.00198	0.00198		mg/kg	01.30.2021 09:10	U	1	
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
4-Bromofluorobenzene		460-00-4	107	%	70-130	01.30.2021 09:10			
1,4-Difluorobenzene		540-36-3	116	%	70-130	01.30.2021 09:10			

### Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:         SP6 @ 2'           Lab Sample Id:         686001-024		Matrix: Date Coll	Soil lected: 01.25	.2021 00:00		Date Received:01.2 Sample Depth: 2 ft	7.2021 11:	:50
Analytical Method: Chloride by El	PA 300					Prep Method: E30	OP	
Tech: CHE						0/ <b>3 f ·</b> ·		
Analyst: CHE		Date Prep	p: 01.28	.2021 09:00		% Moisture: Basis: Wet	Weight	
Seq Number: 3149315						Dasis. Wet	weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	203	4.97		mg/kg	01.28.2021 16:36		1
Analytical Method: TPH by SW80	015 Mod					Prep Method: SW8	3015P	
Analytical Method: TPH by SW80 Tech: DVM Analyst: ARM Seq Number: 3149595	015 Mod	Date Prep	p: 01.30	.2021 10:00		% Moisture:	3015P Weight	
Tech: DVM Analyst: ARM Seq Number: 3149595	015 Mod Cas Number	Date Prep Result	p: 01.30. <b>RL</b>	.2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter		1		.2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b> 1
Tech: DVM Analyst: ARM	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.9	<b>RL</b> 49.9	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 22:20	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 22:20 01.30.2021 22:20	Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149595 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) O'total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20 01.30.2021 22:20 Analysis Date	Weight Flag U U U U Flag	1 1 1

# Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:         SP6 @ 2'           Lab Sample Id:         686001-024		Matrix: Date Collected	Soil 1: 01.25.2021 00:00	Date Received:01.27.20 Sample Depth: 2 ft	)21 11:50
Analytical Method: BTEX by EPA Tech: KTL	8021B			Prep Method: SW5035	бA
Analyst: KTL Seq Number: 3149452		Date Prep:	01.29.2021 17:00	% Moisture: Basis: Wet We	ight
Parameter	Cas Number	Result RI	U	nits Analysis Date F	lag Dil

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	01.30.2021 09:31	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	01.30.2021 09:31	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	01.30.2021 09:31	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	01.30.2021 09:31	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	01.30.2021 09:31	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	01.30.2021 09:31	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	01.30.2021 09:31	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	111	%	70-130	01.30.2021 09:31		
4-Bromofluorobenzene		460-00-4	112	%	70-130	01.30.2021 09:31		

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id:SP7 @ SurfaceLab Sample Id:686001-025		Matrix: Date Co	Soil ollected: 01.25	5.2021 00:00		Date Received:01.2	27.2021 11	:50
Analytical Method: Chloride by EP	A 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Pro	ep: 01.28	3.2021 15:10		% Moisture: Basis: Wet	Weight	
Seq Number: 3149324						Dasis. Wet	weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1010	4.97		mg/kg	01.29.2021 08:46		1
Analytical Method: TPH by SW801	15 Mod					Prep Method: SW	8015P	
Analytical Method:TPH by SW801Tech:DVMAnalyst:ARMSeq Number:3149653	15 Mod	Date Pro	ep: 01.30	0.2021 12:00		% Moisture:	8015P t Weight	
Tech:DVMAnalyst:ARMSeq Number:3149653	15 Mod Cas Number	Date Pro Result	ep: 01.30 <b>RL</b>	0.2021 12:00	Units	% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149653 Parameter				0.2021 12:00	Units mg/kg	% Moisture: Basis: Wet	t Weight	Dil 1
Tech: DVM Analyst: ARM	Cas Number	Result	RL	0.2021 12:00		% Moisture: Basis: Wet Analysis Date	t Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149653 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.9	<b>RL</b> 49.9	0.2021 12:00	mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:12	t Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149653 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	<b>Result</b> <49.9 <49.9	<b>RL</b> 49.9 49.9	0.2021 12:00	mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 21:12 01.30.2021 21:12	t Weight Flag U U	1 1
Tech:DVMAnalyst:ARMSeq Number:3149653ParameterGasoline Range Hydrocarbons (GRO)Diesel Range Organics (DRO)Motor Oil Range Hydrocarbons (MRO)	<b>Cas Number</b> PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	0.2021 12:00 Units	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.30.2021 21:12 01.30.2021 21:12 01.30.2021 21:12 01.30.2021 21:12	t Weight Flag U U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149653 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9 49.9		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.30.2021 21:12 01.30.2021 21:12 01.30.2021 21:12 01.30.2021 21:12 01.30.2021 21:12 01.30.2021 21:12	t Weight Flag U U U U Flag	1 1 1

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: Lab Sample Id	<b>SP7 @ Surface</b> d: 686001-025		Matrix: Date Col	Soil llected: 01.25.2021 00:00	)	Date Received	1:01.27	7.2021 11:	:50
Analytical Me	ethod: BTEX by EPA 8	021B				Prep Method:	SW5	035A	
Tech:	KTL					0/ M-:			
Analyst:	KTL		Date Pre	p: 01.29.2021 17:00	)	% Moisture: Basis:	Wet	Weight	
Seq Number:	3149452						wee	weight	
Parameter		Cas Number	Result	RL	Units	Analysis D	ate	Flag	Dil
Benzene		71-43-2	< 0.00201	0.00201	mg/kg	01.30.2021 0	9:51	U	1

Benzene	71-43-2	< 0.00201	0.00201		mg/kg	01.30.2021 09:51	U	1	
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	01.30.2021 09:51	U	1	
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	01.30.2021 09:51	U	1	
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	01.30.2021 09:51	U	1	
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	01.30.2021 09:51	U	1	
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	01.30.2021 09:51	U	1	
Total BTEX		< 0.00201	0.00201		mg/kg	01.30.2021 09:51	U	1	
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
4-Bromofluorobenzene		460-00-4	117	%	70-130	01.30.2021 09:51			
1,4-Difluorobenzene		540-36-3	113	%	70-130	01.30.2021 09:51			

Environment Testin Xenco

# **Certificate of Analytical Results 686001**

## Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: SP7 @ 1' Lab Sample Id: 686001-026		Matrix: Date Colle	Soil ected: 01.25.	.2021 00:00		Date Received:01.2 Sample Depth: 1 ft	7.2021 11:	50
Analytical Method: Chloride by	EPA 300					Prep Method: E30	0P	
Tech: CHE								
Analyst: CHE		Date Prep	: 01.28.	.2021 15:10		% Moisture: Basis: Wet	Weight	
Seq Number: 3149324						Dasis. Wet	weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	150	4.95		mg/kg	01.29.2021 08:51		1
Analytical Method: TPH by SW	78015 Mod					Prep Method: SW8	3015P	
Analytical Method: TPH by SW Tech: DVM Analyst: ARM Seq Number: 3149619	78015 Mod	Date Prep	: 01.31.	.2021 10:00		% Moisture:	8015P Weight	
Tech: DVM Analyst: ARM	78015 Mod Cas Number	Date Prep Result	: 01.31. <b>RL</b>	.2021 10:00		% Moisture:		Dil
Tech: DVM Analyst: ARM Seq Number: 3149619	Cas Number	Ĩ		.2021 10:00		% Moisture: Basis: Wet	Weight	<b>Dil</b>
Tech: DVM Analyst: ARM Seq Number: 3149619 Parameter	Cas Number	Result	RL	.2021 10:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DVM Analyst: ARM Seq Number: 3149619 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	<b>Result</b> <49.9	<b>RL</b> 49.9	.2021 10:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 01.31.2021 17:45	Weight Flag U	1
Tech: DVM Analyst: ARM Seq Number: 3149619 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <49.9 <49.9	<b>RL</b> 49.9 49.9	.2021 10:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 01.31.2021 17:45 01.31.2021 17:45	Weight Flag U U	1 1
Tech: DVM Analyst: ARM Seq Number: 3149619 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835 PHC635	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9	.2021 10:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet <u>Analysis Date</u> 01.31.2021 17:45 01.31.2021 17:45 01.31.2021 17:45 01.31.2021 17:45	Weight Flag U U U	1 1 1
Tech: DVM Analyst: ARM Seq Number: 3149619 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC635 Ca	<b>Result</b> <49.9 <49.9 <49.9 <49.9 <49.9	<b>RL</b> 49.9 49.9 49.9 49.9		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet 01.31.2021 17:45 01.31.2021 17:45 01.31.2021 17:45 01.31.2021 17:45 01.31.2021 17:45 Mnalysis Date	Weight Flag U U U U Flag	1 1 1
## Xenco

# Etech Environmental & Safety Solution, Inc, Midland, TX

Raspberry

Sample Id: <b>SP7</b> @ <b>1'</b> Lab Sample Id: 686001-026		Matrix: Date Collecte	Soil d: 01.25.2021 00:00		Date Received Sample Depth:		2021 11::	50
Analytical Method: BTEX by EPA	8021B				Prep Method:	SW50	35A	
Tech: KTL Analyst: KTL		Date Prep:	01.29.2021 17:00		% Moisture: Basis:	Wet W	Voight	
Seq Number: 3149452					Dasis.	weiw	vergin	
Parameter	Cas Number	Result RI	, I	Inits	Analysis Da	ate	Flag	Dil

Parameter	Cas Numbe	r Kesult	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	01.30.2021 10:12	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	01.30.2021 10:12	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	01.30.2021 10:12	U	1
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	01.30.2021 10:12	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	01.30.2021 10:12	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	01.30.2021 10:12	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	01.30.2021 10:12	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	114	%	70-130	01.30.2021 10:12		
4-Bromofluorobenzene		460-00-4	110	%	70-130	01.30.2021 10:12		

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Xenco

**Environment Testing** 

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# **Flagging Criteria**

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- **F** RPD exceeded lab control limits.
- J The target analyte was positively identified below the quantitation limit and above the detection limit.
- U Analyte was not detected.
- L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- **H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K Sample analyzed outside of recommended hold time.
- **JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\*\* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.	ND Not Detected.			
RL Reporting Limit				
MDL Method Detection Limit	SDL Sample Det	ection Limit	LOD Limit of Detection	
PQL Practical Quantitation Limit	MQL Method Qua	antitation Limit	LOQ Limit of Quantitatio	n
DL Method Detection Limit				
NC Non-Calculable				
SMP Client Sample		BLK	Method Blank	
BKS/LCS Blank Spike/Laboratory	Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labor	ratory Control Sample Duplicate
MD/SD Method Duplicate/Sampl	e Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate
+ NELAC certification not offered f	for this compound.			

\* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

## QC Summary 686001

eurofins Environment Testing Xenco

## **Etech Environmental & Safety Solution, Inc**

Raspberry

					Raspue	II y						
Analytical Method: Seq Number:	<b>Chloride by EPA 3</b> 3149314	00		Matrix:	Solid			Pı	ep Meth Date Pr		0P 28.2021	
MB Sample Id:	7720191-1-BLK		LCS Sar	nple Id:	7720191-	I-BKS		LCS	D Sample	e Id: 772	0191-1-BSD	
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	261	104	262	105	90-110	0	20	mg/kg	01.28.2021 16:54	
Analytical Method:	Chloride by EPA 3	00						D	ep Meth	od: E30	ΩÞ	
Seq Number:	3149315	00		Matrix:	Solid			11	Date Pr		28.2021	
MB Sample Id:	7720192-1-BLK				7720192-	I-BKS		LCS		•	0192-1-BSD	
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	252	101	251	100	90-110	0	20	mg/kg	01.28.2021 14:06	
<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>Chloride by EPA 3</b> (3)149324 7720245-1-BLK	00		Matrix:	Solid 7720245-	LBKS			ep Metho Date Pr	ep: 01.2	0P 28.2021 0245-1-BSD	
MD Sample Id.		G 11					<b>T</b>		RPD	Units		
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	255	102	255	102	90-110	0	20	mg/kg	01.28.2021 16:57	
<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>Chloride by EPA 3</b> 3149314 686168-007	00		Matrix: nple Id:	Soil 686168-00	)7 S			ep Methe Date Pr D Sample	ep: 01.2	0P 28.2021 168-007 SD	
Seq Number: Parent Sample Id:	3149314 686168-007 <b>Parent</b>	Spike	MS Sar MS	nple Id: MS		MSD	Limits		Date Pr D Sample <b>RPD</b>	ep: 01.2	28.2021 168-007 SD Analysis	Flag
Seq Number: Parent Sample Id: <b>Parameter</b>	3149314 686168-007 Parent Result	Spike Amount	MS Sar MS Result	nple Id: MS %Rec	686168-00 MSD Result	MSD %Rec		MS %RPD	Date Pr D Sample RPD Limit	ep: 01.2 e Id: 686 Units	28.2021 168-007 SD Analysis Date	Flag
Seq Number: Parent Sample Id:	3149314 686168-007 <b>Parent</b>	Spike	MS Sar MS	nple Id: MS	686168-00 <b>MSD</b>	MSD	<b>Limits</b> 90-110	MS	Date Pr D Sample <b>RPD</b>	ep: 01.2 e Id: 686	28.2021 168-007 SD Analysis	Flag
Seq Number: Parent Sample Id: <b>Parameter</b> Chloride	3149314 686168-007 Parent Result	<b>Spike</b> <b>Amount</b> 250	MS Sar MS Result 279	nple Id: MS %Rec 105 Matrix:	686168-00 MSD Result 279	<b>MSD</b> %Rec 105	90-110 Limits	MS <b>%RPD</b> 0 Pr	Date Pr D Sample RPD Limit 20	ep: 01.2 e Id: 686 Units mg/kg od: E30 ep: 01.2	28.2021 168-007 SD Analysis Date 01.28.2021 17:10	Flag Flag
Seq Number: Parent Sample Id: Parameter Chloride Analytical Method: Seq Number: Parent Sample Id: Parameter Chloride Analytical Method: Seq Number: Parent Sample Id:	3149314 686168-007 Parent Result 17.5 Chloride by EPA 30 3149314 686172-007 Parent Result 328 Chloride by EPA 30 3149315 686001-005	Spike Amount 250 00 Spike Amount 253	MS Sar MS Result 279 MS Sar MS Result 585	nple Id: MS %Rec 105 Matrix: nple Id: MS %Rec 102 Matrix: nple Id:	686168-00 MSD Result 279 Soil 686172-00 MSD Result 583 Soil 686001-00	MSD %Rec 105 07 S MSD %Rec 101	90-110 <b>Limits</b> 90-110	MS % <b>RPD</b> 0 Pr <b>MS</b> % <b>RPD</b> 0 Pr MS	Date Pr D Sample RPD Limit 20 rep Metho Date Pr D Sample Limit 20 rep Metho Date Pr D Sample	ep: 01.2 e Id: 686 Units mg/kg od: E30 ep: 01.2 e Id: 686 Units mg/kg od: E30 ep: 01.2 e Id: 686	28.2021 168-007 SD Analysis Date 01.28.2021 17:10 0P 28.2021 172-007 SD Analysis Date 01.28.2021 18:24 0P 28.2021 00P-221 001-005 SD	Flag
Seq Number: Parent Sample Id: Parameter Chloride Analytical Method: Seq Number: Parent Sample Id: Parameter Chloride Analytical Method: Seq Number:	3149314 686168-007 Parent Result 17.5 Chloride by EPA 30 3149314 686172-007 Parent Result 328 Chloride by EPA 30 3149315	Spike Amount 250 00 Spike Amount 253	MS Sar MS Result 279 MS Sar MS Result 585	nple Id: MS %Rec 105 Matrix: nple Id: MS %Rec 102 Matrix:	686168-00 MSD Result 279 Soil 686172-00 MSD Result 583 Soil	MSD %Rec 105 )7 S MSD %Rec 101	90-110 Limits	MS % <b>RPD</b> 0 Pr MS % <b>RPD</b> 0	Date Pr D Sample RPD Limit 20 rep Methe Date Pr D Sample RPD Limit 20 rep Methe Date Pr	ep: 01.2 e Id: 686 Units mg/kg od: E30 ep: 01.2 e Id: 686 Units mg/kg od: E30 ep: 01.2	28.2021 168-007 SD Analysis Date 01.28.2021 17:10 0P 28.2021 172-007 SD Analysis Date 01.28.2021 18:24 0P 28.2021	
Seq Number: Parent Sample Id: Parameter Chloride Analytical Method: Seq Number: Parent Sample Id: Parameter Chloride Analytical Method: Seq Number: Parent Sample Id:	3149314 686168-007 Parent Result 17.5 Chloride by EPA 30 3149314 686172-007 Parent Result 328 Chloride by EPA 30 3149315 686001-005 Parent	Spike Amount 250 00 Spike Amount 253 00 Spike	MS Sar MS Result 279 MS Sar MS Result 585 MS Sar MS Sar	nple Id: MS %Rec 105 Matrix: nple Id: MS %Rec 102 Matrix: nple Id: MS	686168-00 MSD Result 279 Soil 686172-00 MSD Result 583 Soil 686001-00 MSD	MSD %Rec 105 07 S MSD %Rec 101	90-110 Limits 90-110 Limits	MS % <b>RPD</b> 0 Pr <b>MS</b> % <b>RPD</b> 0 Pr MS	Date Pr D Sample RPD Limit 20 rep Methe Date Pr D Sample RPD Limit 20 rep Methe Date Pr D Sample RPD	ep: 01.2 e Id: 686 Units mg/kg od: E30 ep: 01.2 e Id: 686 Units mg/kg od: E30 ep: 01.2 e Id: 686	28.2021 168-007 SD Analysis Date 01.28.2021 17:10 0P 28.2021 172-007 SD Analysis Date 01.28.2021 18:24 0P 28.2021 01.28.2021 18:24 0P	Flag

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

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Page 63 of 72

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Final 1.000
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# QC Summary 686001

eurofins Environment Testing Xenco

## **Etech Environmental & Safety Solution, Inc**

Raspberry

						Raspbe	rry						
Analytical Method: Seq Number:	3149315	-	)0		Matrix:		15.0			rep Metho Date Pr	ep: 01.2	28.2021	
Parent Sample Id:	686001-01		. <b>.</b>		-	686001-0		<b>.</b>		-		001-015 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		510	248	772	106	768	104	90-110	1	20	mg/kg	01.28.2021 15:34	
Analytical Method: Seq Number:	3149324	-	00		Matrix:		05 8			rep Methe Date Pr	ep: 01.2	28.2021	
Parent Sample Id:	686200-00		<b>a n</b>		-	686200-0		<b>.</b>		-		200-005 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		619	250	857	95	849	92	90-110	1	20	mg/kg	01.28.2021 18:25	
<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>Chloride l</b> 3149324 686305-03	-	)0		Matrix: nple Id:	Soil 686305-0	31 S			rep Methe Date Pr D Sample	ep: 01.2	0P 28.2021 305-031 SD	
Parameter		Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD	RPD	Units	Analysis	Flag
Chloride		Result 10.5	Amount 248	Result 299	%Rec 116	Result 282	%Rec 109	90-110	6	Limit 20	mg/kg	Date 01.28.2021 17:13	X
Analytical Method:	TPH by S	W8015 M	od						Pı	rep Meth	od: SW	8015P	
Seq Number:	3149591				Matrix:	Solid				Date Pr		30.2021	
MB Sample Id:	7720482-1	-BLK		LCS Sar	nple Id:	7720482-	1-BKS		LCS	D Sample	e Id: 772	0482-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo		<50.0	1000	867 854	87 85	893 897	89 90	70-130	3 5	20 20	mg/kg	01.30.2021 13:48 01.30.2021 13:48	
Diesel Range Organics	(DRO)	<50.0	1000	854	83	897	90	70-130	5	20	mg/kg	01.30.2021 13.48	
Surrogate		MB %Rec	MB Flag	%	CS Rec	LCS Flag	LCSI %Re		5	imits	Units	Analysis Date	
1-Chlorooctane o-Terphenyl		85 131	**		81 13		81 114			-130 -130	% %	01.30.2021 13:48 01.30.2021 13:48	
Analytical Method: Seq Number:	3149595		od		Matrix:	Solid 7720484-				rep Metho Date Pr	ep: 01.3	8015P 30.2021 0484-1-BSD	
MB Sample Id:	7720484-1		Smiller		•			T insite		RPD			
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo		<50.0	1000	905	91	895	90	70-130	1	20	mg/kg	01.30.2021 13:48	
Diesel Range Organics	(DRO)	<50.0	1000	831	83	826	83	70-130	1	20	mg/kg	01.30.2021 13:48	
Surrogate		MB %Rec	MB Flag	%	CS Rec	LCS Flag	LCSI %Ree			imits	Units	Analysis Date	
1-Chlorooctane		86			82		79			-130	%	01.30.2021 13:48	
o-Terphenyl		106		8	36		84		70	-130	%	01.30.2021 13:48	
MS/MSD Percent Recover Relative Percent Difference		D] = 100*(C PD = 200*	-A) / B (C-E) / (C+E)					CS = Laborat = Parent Re		ol Sample		Matrix Spike bike Added	

Relative Percent Difference LCS/LCSD Recovery Log Difference  $\begin{array}{l} \text{[D]} = 100^{\circ}(\text{C} \times \text{A} / \text{B} \\ \text{RPD} = 200^{*} \mid (\text{C-E}) / (\text{C+E}) \mid \\ \text{[D]} = 100^{*}(\text{C}) / (\text{B}] \\ \text{Log Diff.} = \text{Log(Sample Duplicate)} - \text{Log(Original Sample)} \end{array}$ 

A = Parent Result C = MS/LCS Result E = MSD/LCSD Result

MS = Matrix SpikeB = Spike Added D = MSD/LCSD % Rec

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Page 64 of 72

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Final 1.000
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# QC Summary 686001

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# Etech Environmental & Safety Solution, Inc

Raspberry

Analytical Method:	TPH by S	W8015 M	od						Pi	ep Metho		8015P	
Seq Number:	3149653			]	Matrix:	Solid				Date Pr	ep: 01.3	30.2021	
MB Sample Id:	7720495-1	-BLK		LCS San	nple Id:	7720495-	I-BKS		LCS	D Sample	e Id: 772	0495-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocart	oons (GRO)	< 50.0	1000	1010	101	1050	105	70-130	4	20	mg/kg	01.30.2021 12:45	
Diesel Range Organics	(DRO)	<50.0	1000	970	97	1000	100	70-130	3	20	mg/kg	01.30.2021 12:45	
Surrogate		MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Re			mits	Units	Analysis Date	
1-Chlorooctane		99		1	04		113		70	-130	%	01.30.2021 12:45	
o-Terphenyl		113		1	19		120		70	-130	%	01.30.2021 12:45	

Analytical Method:	TPH by S	W8015 M	od						Pi	rep Meth	od: SW	8015P	
Seq Number:	3149619				Matrix:	Solid				Date Pr	ep: 01.3	31.2021	
MB Sample Id:	7720503-1	-BLK		LCS San	nple Id:	7720503-	1-BKS		LCS	D Sample	e Id: 772	0503-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (GRO)	< 50.0	1000	913	91	889	89	70-130	3	20	mg/kg	01.31.2021 14:57	
Diesel Range Organics	(DRO)	<50.0	1000	952	95	962	96	70-130	1	20	mg/kg	01.31.2021 14:57	
Surrogate		MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1-Chlorooctane		86		1	05		102		70	-130	%	01.31.2021 14:57	
o-Terphenyl		94		1	09		110		70	-130	%	01.31.2021 14:57	

Analytical Method: Seq Number:	<b>TPH by SW8015 Mod</b> 3149591	Matrix: MB Sample Id:	Solid 7720482-1-BLK	Prep Method: Date Prep:			
<b>Parameter</b> Motor Oil Range Hydrocar	bons (MRO)	MB Result <50.0			J <b>nits</b> ng/kg	<b>Analysis</b> <b>Date</b> 01.30.2021 23:03	Flag

Analytical Method:ISeq Number:3	<b>FPH by SW8015 Mod</b> 3149595	Matrix:	Solid 7720484-1-BLK	Prep Method: Date Prep:		8015P 80.2021	
Parameter Motor Oil Range Hydrocarbor	ıs (MRO)	MB Result <50.0			U <b>nits</b> ng/kg	<b>Analysis</b> <b>Date</b> 01.30.2021 23:03	Flag
Analytical Method:ISeq Number:3	F <b>PH by SW8015 Mod</b> 149653	Matrix: MB Sample Id:	Solid 7720495-1-BLK	Prep Method: Date Prep:		8015P 80.2021	
Parameter Motor Oil Range Hydrocarbor	ns (MRO)	<b>MB</b> <b>Result</b> <50.0			U <b>nits</b> ng/kg	<b>Analysis</b> <b>Date</b> 01.30.2021 12:24	Flag
MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference	[D] = 100*(C-A) RPD = 200*   (C-I [D] = 100 * (C) / Log Diff. = Log(S	E) / (C+E)	ample)	LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result	$B = S_{II}$	Matrix Spike pike Added SD/LCSD % Rec	

Released to Imaging: 8/11/2021 8:44:23 AM

Page 65 of 72

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# QC Summary 686001

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# **Etech Environmental & Safety Solution, Inc**

Raspberry

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW	8015P	
Seq Number:	3149619	Matrix:	Solid	Date Prep:	01.3	1.2021	
		MB Sample Id:	7720503-1-BLK				
Parameter		MB Result		U	nits	Analysis Date	Flag
Motor Oil Range Hydrocar	bons (MRO)	<50.0		m	g/kg	01.31.2021 14:36	

<b>Analytical Method:</b> Seq Number: Parent Sample Id:	] MS San	Matrix: nple Id:		)1 S			ep Methe Date Pr D Sample	ep: 01.3	8015P 80.2021 001-001 SD				
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (GRO)	<49.9	997	885	89	883	88	70-130	0	20	mg/kg	01.30.2021 14:52	
Diesel Range Organics	(DRO)	<49.9	997	849	85	872	87	70-130	3	20	mg/kg	01.30.2021 14:52	
Surrogate					IS Rec	MS Flag	MSD %Re			mits	Units	Analysis Date	
1-Chlorooctane				8	33		82		70	-130	%	01.30.2021 14:52	
o-Terphenyl				1	04		107		70	-130	%	01.30.2021 14:52	

Analytical Method:	TPH by SV	W8015 M	od						Pi	rep Meth	od: SW	8015P	
Seq Number:	3149595				Matrix:	Soil				Date Pr	ep: 01.3	30.2021	
Parent Sample Id:	686162-00	1		MS San	nple Id:	686162-00	01 S		MS	D Sample	e Id: 686	162-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo	ons (GRO)	<50.0	999	930	93	953	95	70-130	2	20	mg/kg	01.30.2021 14:52	
Diesel Range Organics (	(DRO)	< 50.0	999	847	85	875	88	70-130	3	20	mg/kg	01.30.2021 14:52	
Surrogate					1S Rec	MS Flag	MSD %Ree			imits	Units	Analysis Date	
1-Chlorooctane				8	33		84		70	-130	%	01.30.2021 14:52	

86

84

<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>TPH by SV</b> 3149653 686572-002		od		Matrix: nple Id:	Soil 686572-00	)1 S			rep Methe Date Pr D Sample	ep: 01.3	8015P 80.2021 572-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (GRO)	<49.9	997	1030	103	1050	105	70-130	2	20	mg/kg	01.30.2021 13:49	
Diesel Range Organics	(DRO)	<49.9	997	1060	106	913	91	70-130	15	20	mg/kg	01.30.2021 13:49	
Surrogate					1S Rec	MS Flag	MSD %Re			imits	Units	Analysis Date	
1-Chlorooctane				1	06		89		70	-130	%	01.30.2021 13:49	
o-Terphenyl				1	18		104		70	-130	%	01.30.2021 13:49	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference

o-Terphenyl

 $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

 $LCS = Laboratory \ Control \ Sample \\ A = Parent \ Result \\ C = MS/LCS \ Result \\ E = MSD/LCSD \ Result$ 

MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

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01.30.2021 14:52

Page 66 of 72

70-130

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# QC Summary 686001

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## Etech Environmental & Safety Solution, Inc

Raspberry

Analytical Method:	TPH by S	W8015 M	od						Pı	ep Metho	od: SW	8015P	
Seq Number:	3149619				Matrix:	Soil				Date Pr	ep: 01.3	31.2021	
Parent Sample Id:	686304-00	1		MS Sar	nple Id:	686304-00	01 S		MS	D Sample	e Id: 686	304-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (GRO)	<49.8	996	923	93	1000	100	70-130	8	20	mg/kg	01.31.2021 16:00	
Diesel Range Organics	(DRO)	<49.8	996	944	95	944	95	70-130	0	20	mg/kg	01.31.2021 16:00	
Surrogate					1S Rec	MS Flag	MSD %Re			mits	Units	Analysis Date	
1-Chlorooctane				1	01		102		70	-130	%	01.31.2021 16:00	
o-Terphenyl				1	09		106	i	70	-130	%	01.31.2021 16:00	

Analytical Method:	BTEX by EPA 8021	B						P	rep Metho	od: SW	5035A	
Seq Number:	3149451		]	Matrix:	Solid				Date Pr	ep: 01.2	29.2021	
MB Sample Id:	7720379-1-BLK		LCS San	nple Id:	7720379-1	I-BKS		LCS	D Sample	e Id: 772	0379-1-BSD	
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.0886	89	0.0923	92	70-130	4	35	mg/kg	01.29.2021 17:38	
Toluene	< 0.00200	0.100	0.0902	90	0.0921	92	70-130	2	35	mg/kg	01.29.2021 17:38	
Ethylbenzene	< 0.00200	0.100	0.0870	87	0.0884	88	70-130	2	35	mg/kg	01.29.2021 17:38	
m,p-Xylenes	< 0.00400	0.200	0.166	83	0.169	85	70-130	2	35	mg/kg	01.29.2021 17:38	
o-Xylene	< 0.00200	0.100	0.0908	91	0.0913	91	70-130	1	35	mg/kg	01.29.2021 17:38	
Surrogate	MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene	103		1	04		106		70	-130	%	01.29.2021 17:38	
4-Bromofluorobenzene	133	**	1	01		102		70	-130	%	01.29.2021 17:38	

<b>Analytical Method:</b> Seq Number: MB Sample Id:	BTEX by EPA 8021 3149452 7720380-1-BLK	lB	-	Matrix: nple Id:	Solid 7720380-1	1-BKS			rep Metho Date Pr D Sample	ep: 01.2	5035A 29.2021 0380-1-BSD	
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.102	102	0.102	102	70-130	0	35	mg/kg	01.30.2021 04:43	
Toluene	< 0.00200	0.100	0.0943	94	0.0966	97	70-130	2	35	mg/kg	01.30.2021 04:43	
Ethylbenzene	< 0.00200	0.100	0.0916	92	0.0933	93	70-130	2	35	mg/kg	01.30.2021 04:43	
m,p-Xylenes	< 0.00400	0.200	0.182	91	0.187	94	70-130	3	35	mg/kg	01.30.2021 04:43	
o-Xylene	< 0.00200	0.100	0.0898	90	0.0920	92	70-130	2	35	mg/kg	01.30.2021 04:43	
Surrogate	MB %Rec	MB Flag		CS Rec	LCS Flag	LCSD %Rec			imits	Units	Analysis Date	
1,4-Difluorobenzene	102		1	09		112		70	0-130	%	01.30.2021 04:43	
4-Bromofluorobenzene	130		1	03		102		70	0-130	%	01.30.2021 04:43	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

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Page 67 of 72

# QC Summary 686001

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# **Etech Environmental & Safety Solution, Inc**

Raspberry

<b>Analytical Method:</b> Seq Number:	3149451	lB		Matrix:		7.0			rep Metho Date Pr	ep: 01.2	5035A 29.2021	
Parent Sample Id:	686482-007 Parent	Spike	MS San MS	mpie Id: MS	686482-00 MSD	MSD	Limits	MS %RPD	D Sample RPD	Units	482-007 SD Analysis	
Parameter	Result	Amount	Result	%Rec	Result	%Rec		, orde D	Limit		Date	Flag
Benzene	< 0.00199	0.0994	0.0741	75	0.0534	53	70-130	32	35	mg/kg	01.29.2021 18:19	Х
Toluene	0.0126	0.0994	0.0754	63	0.0560	43	70-130	30	35	mg/kg	01.29.2021 18:19	Х
Ethylbenzene	0.00588	0.0994	0.0716	66	0.0537	48	70-130	29	35	mg/kg	01.29.2021 18:19	Х
m,p-Xylenes	0.0187	0.199	0.147	64	0.111	46	70-130	28	35	mg/kg	01.29.2021 18:19	Х
o-Xylene	0.00610	0.0994	0.0901	85	0.0622	56	70-130	37	35	mg/kg	01.29.2021 18:19	XF
Surrogate				IS Rec	MS Flag	MSD %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	01		105		70	-130	%	01.29.2021 18:19	
4-Bromofluorobenzene			12	24		116		70	-130	%	01.29.2021 18:19	

<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>BTEX by EPA 8021</b> 3149452 686001-017	B	] MS San	Matrix: nple Id:		17 S			rep Metho Date Pro D Samplo	ep: 01.2	5035A 29.2021 001-017 SD	
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00198	0.0990	0.0378	38	0.0925	93	70-130	84	35	mg/kg	01.30.2021 05:25	XF
Toluene	< 0.00198	0.0990	0.0498	50	0.0903	91	70-130	58	35	mg/kg	01.30.2021 05:25	XF
Ethylbenzene	< 0.00198	0.0990	0.0480	48	0.0860	87	70-130	57	35	mg/kg	01.30.2021 05:25	XF
m,p-Xylenes	< 0.00396	0.198	0.0979	49	0.173	87	70-130	55	35	mg/kg	01.30.2021 05:25	XF
o-Xylene	< 0.00198	0.0990	0.0517	52	0.0850	86	70-130	49	35	mg/kg	01.30.2021 05:25	XF
Surrogate				IS Rec	MS Flag	MSD %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	01		108		70	-130	%	01.30.2021 05:25	
4-Bromofluorobenzene			1	29		107		70	-130	%	01.30.2021 05:25	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

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Page 68 of 72



# **Chain of Custody**

Work Order No: <u>484001</u>

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334

Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Craslbad, NM (432) 704-5440 of 3 Page Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com Project Manager: Joel Lowry Work Order Comments Bill to: (if different) Company Name: ETECH Environmental Company Name: COG Program: UST/PST PRP Brownfields RRC Superfund Concho Address: 3100 Plains Hwy State of Project: Address: City, State ZIP: LOUINgton, NM Reporting:Level II Level III PST/UST TRRP Level IV 88260 City, State ZIP: Phone: 575-396-2378 Deliverables: EDD Email: PM Detechenv.com + client ADaPT Other: **Preservative Codes** Project Name: Raspberry ANALYSIS REQUEST **Turn Around** Pres. 13619 MeOH: Me Project Number: Routine Code Rural Lea county Project Location None: NO Rush: Sampler's Name: Migvel Kaminez Due Date: HNO3: HN PO #: Quote #: H2S04: H2 SAMPLE RECEIPT Temp Blank: Nes HCL: HL Yes No Wet Ice: No Number of Containers lo Thermometer ID NaOH: Na Temperature (°C): RI Llorides res No Zn Acetate+ NaOH: Zn **Received Intact: Cooler Custody Seals:** (res) No N/A **Correction Factor:** TAT starts the day received by the lab, if (N)A Sample Custody Seals: Yes No **Total Containers:** Hd 12 received by 4:00pm Lab Date Time Sample Identification Matrix Depth Sample Comments ID Sampled Sampled 00 NH @ sulface S 1.25.21 ----11 1-25-2 NHAI S #1@Sulface 5 (.25.21 ~ HIAN S .25.21 1 . DSULface 5 1.25.21 -25-21 WW/ 5 S 1.25.21 Cuffar S 1-25-21 11 2 PM asultac 125-2 S 11 , 1-25-21 SHAW \$3 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr TI Sn U V Zn Total 200.7 / 6010 200.8 / 6020: 1631 / 245.1 / 7470 / 7471 : Hg TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Circle Method(s) and Metal(s) to be analyzed Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control 8/1 of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Date/Time **Received by: (Signature)** Date/Time **Relinquished by: (Signature) Received by: (Signature)** Relinquighed by: (Signature) 5:10 onva O ASALON

Revised Date 022619 Rev. 2019.

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# **Chain of Custody**

Work Order No: <u>48600</u>

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334

Midland,TX (432) 704-5440 EL Paso,TX (915) 585-3443 Lubbock,TX (806) 794-1296 Crasibad, NM (432) 704-5440

Project Manager:	Joel Lowry	T Hoomay 2		Bill to: (if c			i unipu,	12 (010	/ 020 200							ork Orde	er Comme	ents	<u> </u>	
Company Name:	ETECH Environ	mental		Company	Name:	COE	2						Progr	am: UST	/PST 🗌 F	PRP 🗌 Br	ownfields		Superfund	- L
Address:	3100 Plains H	lwr		Ad	dress:									ate of Pr	•					
City, State ZIP:	1. /			City, Sta	te ZIP:								Repo	ting:Leve	el II 🗌 Le	vel III 🗌 🛛	PST/UST [	TRRF	Level IV	
Phone:	1		Email:	RMDe	tec	hen	v.C	6M	10	lient			Delive	erables:		AD	aPT 🗍	Othe	r:	
Project Name:	Raspberry		Tur	n Around						AN	ALYSIS	S REQU	IEST			14.1		Prese	vative Code	95
Project Number:	13619		Routine	F	Pres. Code												MeOH	I: Me		
Project Location Sampler's Name: PO #:		Quote #:	Rush: Due Da	te:													None: HNO3 H2S04	: HN		
SAMPLE RECEIF Temperatur Received	e (°C): , () Intact: , ()	The	Wet Ice: ermometer I	8	Number of Containers	Les .											HCL: NaOH Zn Ac	l: Na	laOH: Zn	
Cooler Custody Sample Custody			on Factor: ontainers:	-3	er of C	Chlorides	BTEX	1d									TAT st		lay recevied by ved by 4:00pm	the lab, if
Lab Sample Iden		Date Sampled	Time Sampled	Depth	Numb	で	87	F										Samp	le Commen	ts
WH @ SVIfm		1.25.21		-	1	X	Ķ	X	-											
WH OI'	5	1.25.21			1	$ \rangle$	ŀÆ	ŧХ						·						
SP laguita		1-25-21		~	1		$\downarrow  ho$	<u>ال</u>	,											
SPIQ 3'	5	1.25.21		3'	1	X	X	ĮŻ								ļ				
SP2@ Sulta		1.25-21		<u> </u>	ļ <b>/</b>		$\Delta$	X												
SP2 Q 1'	5	1.25-21		)'	ſ	$\uparrow \uparrow$	L>	12				_								
SP3@ Sulta		1.28.21			1	ĽĶ	LA									ļ				
5130 1'	5	125.21		<u> </u>	<u> '</u>	ĽŊ	15	¥	<b>_</b>							ļļ				
SP4 @ Suffa	<u>s</u>	1.25-21			1	$  \land$		$\downarrow \downarrow$	4											
SPYQI	5	1.25.21		P	1	X	$\mathbb{X}$	1×										-		
Notice: Signature of this d	5010 200.8 / 6020: d(s) and Metal(s) to be an locument and relinquishment of s. liable only for the cost of samples	amples constitutes a	CLP / SPL		CRA S	Sb As	Ba B	e Cd	Cr Co and subc	Cu Pb	Mn Mo It assigns s	Ni Se A	Ag TI	onditions	K Se A	g SiO2			V Zn 7470 / 7471	: Hg
of Xenco. A minimum cha	arge of \$75.00 will be applied to ea	ch project and a cha	rge of \$5 for ea	ch sample subm		(enco, bu	it not an	alyzed.	These terr	ns will be er	nforced unle	ess previous	ly negoti	ated.						
Relinquished by:		Received by	2	re)	1	Date	/Time			linquist	ied by: (	Signatur	e)	R	eceived	by: (Sigr	nature)	h	Date/Tir	ne //63
3 Winth	$\sim \mathcal{O}$	ssua 1	nit		1	4)-(	015	5:10	4	Usic	<u>r 7</u> U	enez		<u> </u>	P			11	101 1	100
5									6											
																			Revised Date 0226	9 Rev. 2019.

Final 1.000



# **Chain of Custody**

Work Order No: <u>(28400 ]</u>

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334

Project Manager: Joc / Lo	wry			Bill to: (if	different)										Work O	rder Con	ments	
Company Name: ETech En		ental		Company	a strangenergy for the constant	CD	6						Program:	UST/PS1		Brownfie		Superfund
Address: 3100 P/a	116 Ha	18		a constant of the second	Idress:								-	of Project				
City, State ZIP: Lovingh	n, Nr	n 802	260	City, Sta	te ZIP:		;					<b>   </b>	Reporting	Level II	Level III	PST/U	ST 🗌 TRRP	Level IV
Phone: 575.3	6-23	78	Email:	BPM (a	>cte	che	nvi	Com	to	ient			Deliverab	es: EDD		ADaPT C	] Othe	r:
Project Name: Raspbl	m		ти	Irn Around						SAMPAN MARKED	YSIS I	REQUE	ST				Preser	vative Codes
Project Number: 13619			Routin		Pres. Code	1 April 1 Contract Contract			Seal directed with the low of		Section Disease and and	Innuli I vi prosta bijega pove			T	м	eOH: Me	
	La Co	vntu	Rush:													N	one: NO	
Sampler's Name: Mique	Rar	rnty nitez	Due D	ate:												н	NO3: HN	
PO #: V		Quote #:			a de la											н	2S04: H2	
SAMPLE RECEIPT T	emp Blank:	Yes No	Wet Ice:	Ces No												н	CL: HL	
Temperature (°C):	, LQ		hermometer	· ID	Containers	5										N	aOH: Na	
Received Intact:			148	25	onta	2										Zr	n Acetate+ N	IaOH: Zn
Cooler Custody Seals: (Yes) Sample Custody Seals: Yes	No N/A No N/A	Chemical Stream and and and	ction Factor: Containers:	~ 3	5	1	U I	I I								T/		ay recevied by the lab ved by 4:00pm
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number	17.	000	F									Samp	e Comments
SPS @ SUFFACE	5	1.25.21		-	1	X	ľX	V.								12,24		
(PSQ)	5	1.25-21		11	1	X	ľΧ.	X.										
SP6@ SUFFACE	S	1.25.21			1	X	Ц¥.	X										
SP6 (2) 2'	5	1.25.25		+2'	1	K	IX.	X										
SP7@ Surface	5	1.25.21	- 1016007	-	1	X	L Č	X								ļļ.		
SP7 Q	9	1-25.81		<u> </u>	ſ	$ \Delta$	$\downarrow \not $	X		_				+				
						+		<u> </u>					_	+ +				
						+								+				
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		1		1											1			
Total 200.7 / 6010 200.8 / Circle Method(s) and Metal(		alvzed		13PPM Tex <b>P 6010</b> : 8R										NKS	e ag SiO			VZn 7470 / 7471 : Hg
Notice: Signature of this document and reling														ions				
of service. Xenco will be liable only for the co of Xenco. A minimum charge of \$75.00 will be	st of samples a	and shall not ass	ume any respons	sibility for any los	ses or ex	penses	incurred	by the cl	ient if such lo	sses are du	ue to circur	nstances b	eyond the c					
	applied to eac					r Lotor ALVOLT		Section of the	-		and the second	sandronorryddyd	octoorda	De*		lanation		J
Relinquished ba: (Bignature)	1/21		by: (Signat	ure)	1		e/Time		and the second states of the second sec	PRIME REPORT OF COMP	by: (Si	- 1		Recei	ved by: (S	ignature	12-	Date/Time
VI/Macson	✐	essua T	uz-		125	5-21	\$	:10	2 -310	Dia	-hu	nla	5-14	<u>Un de</u>	2)		-42	101 11
	<u> </u>								4					bar				
									0									Revised Date 022619 Rev. 20

# **Eurofins Xenco, LLC**

# Prelogin/Nonconformance Report- Sample Log-In

Client: Etech Environmental & Safety Solution, I Date/ Time Received: 01.27.2021 11.50.00 AM Work Order #: 686001	Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient Temperature Measuring device used : IR8
Sample Recei	pt Checklist Comments
#1 *Temperature of cooler(s)?	.2
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6*Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	Νο
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

### \* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by: Bianna Teel Checklist reviewed by: Jessica Vramer Jessica Kramer

Date: 01.27.2021

Date: 01.27.2021



April 23, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: RASPBERRY 11/12

Enclosed are the results of analyses for samples received by the laboratory on 04/20/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 1 @ 1' (H211008-01)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	83.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.7	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 2 @ 1' (H211008-02)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					
Surrogate: 1-Chlorooctane	77.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.8	% 42.2-15	6						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 3 @ 1' (H211008-03)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/23/2021	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	117 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	122 9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 4 @ 1' (H211008-04)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/23/2021	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	115 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 5 @ 1' (H211008-05)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/23/2021	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	116 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 1 (H211008-06)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	120 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	122 9	38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: WW 1 (H211008-07)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104 9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: WW 2 (H211008-08)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	117 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	119 9	38.9-14	2						

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: WW 3 (H211008-09)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	115 9	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 2 (H211008-10)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	112 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	% 38.9-14	2						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 3 (H211008-11)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 6 @ 1' (H211008-12)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	124 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	128 9	% 38.9-14	2						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 7 @ 1' (H211008-13)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	116 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	119 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 8 @ 1' (H211008-14)

BTEX 8021B mg/k		/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	125 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	129 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 9 @ 1' (H211008-15)

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 69.9-14	0						
Chloride, SM4500Cl-B	OCI-B mg/kg			d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	116 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	119 9	38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 4 (H211008-16)

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	04/22/2021	ND	2.02	101	2.00	6.29	
Toluene*	<0.050	0.050	04/22/2021	ND	1.93	96.6	2.00	6.65	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.88	93.9	2.00	6.95	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.54	92.4	6.00	6.67	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg			d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	112 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/20/2021	Sampling Date:	04/20/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: WW 4 (H211008-17)

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	04/22/2021	ND	2.02	101	2.00	6.29	
Toluene*	<0.050	0.050	04/22/2021	ND	1.93	96.6	2.00	6.65	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.88	93.9	2.00	6.95	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.54	92.4	6.00	6.67	
Total BTEX	<0.300	0.300	04/22/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/23/2021	ND	400	100	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	04/22/2021	ND	227	114	200	0.291	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	248	124	200	0.0476	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					
Surrogate: 1-Chlorooctane	114 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	118 9	38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **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 SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

## **RDINAL LABORATORIES**

0

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name</b>	Etech Environmental & Safety	Solution	s, Ind	C.				BILL TO						ANALYSIS REQUEST									
Project Manage	r: Joel Lowry							P.O. #:							Ι		T	T	T	T	T	T	TT
Address: P.O	. Box 301							Company: COG					1										
City: Lovingto	on State: NN	Zip	: 88	260				Attn:															
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Ade	dres	SS:			1														
Project #: 136	19 Project On	wner: (	Coc	3				City	y:								1						
Project Name:	Raspberry 11/12							Sta	te:		Zip:			SM)	218								
Project Location	": Rural Lea county,	M						Phe	one	#:			Chloride	TPH (8015M)	(8021B)								
Sampler Name:	Miguel Pamirez	10 0 0 1						Fax	c#:				CP	H	BTEX								
R LAB USE ONLY			T		M	ATR	X		PRE	SERV	SAMPL	ING		E.	BT								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SUL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER ;	DATE	TIME											
(	FLIRI	C	1		_	X				×	4-19-21		X	X	X				T		-	1	
2	FL2 Q1'	C	1			X				X	4.14.2		X	X	K			T					
3	FL3@1	5	1			X				X	4.14.21		×	X	X								
	FL 4@1'	c	1			X	-			X	4.19.21		X	X	X		-		-				
	FLSQI	C	1			(	+-			X	4.14.21	-	X	X	X	-	-	-	-	-	-		
	EWI	C	1			X	-			X	4.14.21		×	X	X					+-	1-	-	
	WWI	C	1			X	+	$\left  \right $		X	4.14.21		1×	X	X		+	+	+-	+	+	-	
8	WW2		1			x	+	$\vdash$		X	4.20-21			X	Îx		+	+	+	+	+	+	
7	EW2		+	$\vdash$		x	+		$\vdash$	-	4.20.2		12	X	X		-	+	+				
	J Damages. Cardinal's liability and client's exclusive reme							L or tort	, shall i	be limited	to the amount pa	id by the client fo	rihe		11		1		1	_			
ervice. In no event shall Ca	ng linese for negligence and any other cause wholecover a ardinal be liable for incidential or consequential distagres, is	chiding with	out Smith	ution, b	utinett	intern	ptions,	loss of	use, o	r loss of p	rolls incurred by	client, its subsidie	ulos,										
Relinquished B	1639	21 R	eceiv	ved	By:				lat	k	Jel.	Phone Re Fax Resu REMARK	esult: It: S:		es E	No	Add'l	Phone Fax #:					
	: (Circle One) - Bus - Other: 4.3c	#f11	13		Cool	Int	act Ye	s		(Ini	(ED BY: tials)					Got							

Page 20 of 21

ARDINAL LABORATORIES

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	: Etech Environmental & Safety Solu	tions	, Inc							BI	LL TO						ANA	LYS	IS F	EQU	EST	
Project Manage	r: Joel Lowry							P.0	*							T	1		T	1	1	
Address: P.O	). Box 301							Company: CoG					1									
City: Lovingto	on t State: NM	Zip	: 88	260				Attn									1					
Phone #: (57	5) 396-2378 Fax #: (575) 3	396-1	429			_		Address:					1									
Project #: 136	19 Project Owne	r:						City:														
Project Name:	RISODORCY ILLIZ							Stat			Zip:			(WS	18)							
Project Location: Putral Law county Way				Pho					Chloride	TPH (8015M)	BTEX (8021B)											
Project Name: RUSPBETTY 11/12 Project Location: RUTAL Lea county, NM Sampler Name: Migue 1 Paminez					Fax					Ř	H (8	X										
R LAB USE ONLY MATRIX					_	-	SERV	SAMPL	ING		TP	BT										
Lab I.D. <u>Hailoo8</u>	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER		SLUDGE	OTHER ;	ACID/BASE:	OTHER ;	DATE	TIME										
11	EW3	C	1			X		Π	T	X	4.20.21		X	×	X				T			
12	FLOPI	C	L			X				X	420-21		X	×	×							
13		10	1			X				X	4.20.21		X	×	×							
14	FL3@1'	C	1			(			1	K	4-20-21		X	K	×							
15	FL9@1	C	1			X				X	4.20.21		x	K	×							
14	Ewy	C	1		1	X				x	4-20-21		X	X	x							
17	WWY	C	1			5				X	4.20 21		X	×	1							
													X	X	X							
	1																					
analyses. All claims includ service. In no event shall C advised to a service shall C Relinquished B Relinquished B Delivered By	1 Time 35	Re	id water ut fimilit a. regar aceiv	ed unite files, be red red S (	athress of wheth By: By: Cool	er sud	nting an options,	ion	ed by C se, or i upon	any of 1		er completion of i client, its subeidi	he applical nios, <u>ise</u> escult: ilt: S:		25	No No m@e	Add	1 Phon 1 Fax #	k:	1		

Page 21 of 21

**Revision 1.0** 

Received by OCD: 6/9/2021 12:43:43 PM



April 28, 2021

JOEL LOWRY

Etech Environmental & Safety Solutions

P.O. Box 301

Lovington, NM 88260

RE: RASPBERRY 11/12

Enclosed are the results of analyses for samples received by the laboratory on 04/23/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 10 @ 3' (H211049-01)

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	04/27/2021	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	04/27/2021	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/27/2021	ND	2.11	106	2.00	1.07	
Total Xylenes*	<0.150	0.150	04/27/2021	ND	6.02	100	6.00	0.393	
Total BTEX	<0.300	0.300	04/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/27/2021	ND	400	100	400	3.92	
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	04/27/2021	ND	248	124	200	0.772	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	252	126	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	70.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 11 @ 3' (H211049-02)

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	04/27/2021	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	04/27/2021	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/27/2021	ND	2.11	106	2.00	1.07	
Total Xylenes*	<0.150	0.150	04/27/2021	ND	6.02	100	6.00	0.393	
Total BTEX	<0.300	0.300	04/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 69.9-14	0						
Chloride, SM4500Cl-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	04/27/2021	ND	400	100	400	3.92	
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	04/27/2021	ND	248	124	200	0.772	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	252	126	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	80.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

#### Sample ID: WW 5 (H211049-03)

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	04/27/2021	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	04/27/2021	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/27/2021	ND	2.11	106	2.00	1.07	
Total Xylenes*	<0.150	0.150	04/27/2021	ND	6.02	100	6.00	0.393	
Total BTEX	<0.300	0.300	04/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.2	% 69.9-14	0						
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	04/27/2021	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	04/27/2021	ND	248	124	200	0.772	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	252	126	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	85.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	80.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/23/2021	Sampling Date:	04/23/2021
Reported:	04/28/2021	Sampling Type:	Soil
Project Name:	RASPBERRY 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 5 (H211049-04)

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	04/27/2021	ND	2.06	103	2.00	1.94	
Toluene*	<0.050	0.050	04/27/2021	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	04/27/2021	ND	2.11	106	2.00	1.07	
Total Xylenes*	<0.150	0.150	04/27/2021	ND	6.02	100	6.00	0.393	
Total BTEX	<0.300	0.300	04/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
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	04/27/2021	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	04/27/2021	ND	248	124	200	0.772	
DRO >C10-C28*	<10.0	10.0	04/27/2021	ND	252	126	200	0.273	
EXT DRO >C28-C36	<10.0	10.0	04/27/2021	ND					
Surrogate: 1-Chlorooctane	84.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# 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 Sol	utions	, Ind	C.						BI	LL	то						ANA	LYSI	S RI	EQUE	ST		
Project Manage	: Joel Lowry							P.O.	#:															
Address: P.O	. Box 301							Con	npa	ny: (	COG													
City: Lovingto	on State: NM	Zip	: 88	260				Attn	:										1					
Phone #: (575	i) 396-2378 Fax #: (575)	396-1	429	}				Address:																
Project #: 13619 Project Owner: COG				City	:																			
Project Name: Raspburry St. #1 11/12 Project Location: Rural Lea county NM Sampler Name: Miguel Ramifice				Stat	e:		Zip:			e	TPH (8015M)	218												
Project Location	" Rural Lea county Nr	n						Pho	ne	#:				Chloride	801	BTEX (8021B)								
Sampler Name:	Minupl Ramiorz"							Fax	#:					-S	H	EX						1		
R LAB USE ONLY	1. 3. 5. 1		Г		M	TRI	X	F	RE	SERV	SA	MPLI	NG		F	1				1.4	1			
Lab I.D. H2/1049	Sample I.D.	G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	01	SLUDGE	OTHER :	ACID/BASE	ICE / COOL OTHER :	D/	ATE	TIME							9			-	100
1	FL10@3'	Ğ	T		$\geq 10$		1				-	3 21		X	X	X				1	+	+		-
2	FLILQ3'	G	T		X	1	1			X	4/23			X	X	X				1				
23	WWS	G	1		1	K				X	4/2	23/21		X	×	X								
4	EWS	G	1		Y					X	4/2	3/21		X	X	X							_	
		-				-			+	_	-	-		-	-	-	-		-	-	+	+ +		
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anatyses. All claime includi service. In no event shall Ca diffiates or secretors arise Relinquished B Relinquished B Delivered By	Tique: 40 Date: Time: : (Circle One) - Bus - Other: 4.3% / #	ke deem ling without a cardina y Cardina R M R	ed will but limit ai, reg ecce gcce	ved unle tation, bu ardiers o ved ived	es read withous Si wheth By: By: By: By: Samp Cool	e in wi internuer succ le C Inn es [ No [	ondit	ion s	ed by see, or d upor	Cerdinal r tots of ( n any of ) CHIEC	Velinia 30 profilis iona ine above	days afte urred by c stated re-	r completion of t	ine applica nos, ise. esuit: it: s S:		es [	No No	Add'l	Phone Fax #					

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Received by OCD: 6/9/2021 12:43:43 PM

Page 148 of 241



May 04, 2021

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: RASPBERRY STATE #1 11/12

Enclosed are the results of analyses for samples received by the laboratory on 04/29/21 10:59.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 12 @ 6' (H211105-01)

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	04/29/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/29/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/29/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/29/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 69.9-14	0						
Chloride, SM4500Cl-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	04/30/2021	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	04/30/2021	ND	240	120	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	220	110	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	69.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.7	% 38.9-14	2						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 13 @ 2' (H211105-02)

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	04/29/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/29/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/29/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/29/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	240	120	200	3.38	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	220	110	200	7.31	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	70.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.5	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 14 @ 2' (H211105-03)

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	04/29/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/29/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/29/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/29/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	65.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.1	% 38.9-14	2						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 15 @ 2' (H211105-04)

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	04/29/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/29/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/29/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/29/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	67.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.6	% 38.9-14	2						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 16 @ 2' (H211105-05)

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	04/29/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/29/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/29/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/29/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	66.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.2	% 38.9-14	2						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 17 @ 6' (H211105-06)

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	04/29/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/29/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/29/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/29/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
Chloride, SM4500Cl-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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	64.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	63.8	% 38.9-14	2						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: NW 1 (H211105-07)

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	04/30/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/30/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	69.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.3	% 38.9-14	2						

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## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: NW 2 (H211105-08)

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	04/30/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/30/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	70.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.7	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/27/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 6 (H211105-09)

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	04/30/2021	ND	2.04	102	2.00	10.1	
Toluene*	<0.050	0.050	04/30/2021	ND	1.97	98.7	2.00	10.8	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.93	96.4	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.70	95.0	6.00	9.96	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	68.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.0	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 18 @ 2' (H211105-10)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.1	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	70.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.0	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 19 @ 2' (H211105-11)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	68.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.7	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 20 @ 2' (H211105-12)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	63.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	61.8	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 21 @ 2' (H211105-13)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.8	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	63.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	62.1	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 22 @ 1' (H211105-14)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	72.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.5	% 38.9-14	2						

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#### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 23 @ 1' (H211105-15)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.3	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 7 (H211105-16)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	70.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.7	% 38.9-14	2						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: SW 1 (H211105-17)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	68.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: NW 3 (H211105-18)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 69.9-14	0						
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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	69.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 24 @ 3' (H211105-19)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	69.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.4	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/29/2021	Sampling Date:	04/28/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 25 @ 3' (H211105-20)

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	04/30/2021	ND	2.00	100	2.00	8.81	
Toluene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	8.17	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	1.97	98.3	2.00	8.02	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.57	92.8	6.00	8.87	
Total BTEX	<0.300	0.300	04/30/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 69.9-14	0						
Chloride, SM4500Cl-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	04/30/2021	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	04/30/2021	ND	214	107	200	2.51	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	188	94.1	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					
Surrogate: 1-Chlorooctane	59.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	57.7	% 38.9-14	2						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Address:   P.O. Box 301   Company: (d G     City:   Lovington   State: NM   Zip: 88260     Phone #:   (575) 396-2378   Fax #: (575) 396-1429   Address:     Project #:   [36]9   Project Owner:   (OG     Project Name:   Russpherry   State:   1/12     Project Location:   Rural   Len   (ov/rty, NM)     Sampler Name:   Maguel   Remine 2   Fax #:     RLABUSE ONLY   Sample LD   Guy gy	Chloride FEX (8021B)
Phone #: (575) 396-2378 Fax #: (575) 396-1429 Address:   Project #: 13619 Project Owner: 06 City:   Project Name: Project Owner: 06 City:   Project Location: Pural Len County, NM Phone #:   Sampler Name: Miguel Russeoner Fax #:   RLABUSE ONLY Sample LD Grand Bar Sample LD Grand Bar Sample LD	Chloride TPH (8015M) BTEX (8021B)
Project #: 13619 Project Owner: (06 City: Project Name: Ruspberry State 11/12 State: Zip: Project Location: Rural Lea County, NM Phone #: Sampler Name: Miguel Reminer Fax #: RLABUSE ONLY Sample LD AUX SHUT HE	Chloride TPH (8015M) BTEX (8021B)
Project Name: Puspberry State 11/12 State: Zip: Project Location: Pural Len County, NM Phone #: Sampler Name: Miguel Raminez Fax #: RLABUSE ONLY MATRIX PRESERV. SA A WO(2) & WE	Deliander Soutiens So
Project Location: Pural Lea County, NM Phone #: Sampler Name: Miguel Reminer Preserv. SA RLABUSE ONLY Bample LD Ba	BTEX (8015M BTEX (8021E
Project Location: Pural Len County, NM Phone #:   Sampler Name: Miguel Reminer Fax #:   RLAB USE ONLY MATRIX PRESERV. SA   Lab LD Sample LD Will Will Will Will Will Will Will Will	Chloric Chloric BTEX (801
Sample I D Fax #:   RLAB USE ONLY Fax #:   MATRIX PRESERV. SA   I ab I D Sample I D	
Tap I'D' Samble I'D' POR (C)OMF	
	DATE TIME
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	277 XXX
10 FL/18 C 2 C I X X 42	28-2 X X X



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 24 of 24

Company Name	: Etech Environmental & Safety So	lutions	6, In	C.					Γ		2	BI	LL TO						AN	ALYS	IS R	EQU	EST	
Project Manage	100.000								P.	0. 1														
Address: P.O	. Box 301								C	omp	any	y: (	OG											
City: Lovingto	on State: NM	Zip	: 88	26	0	_			A	ttn:														
Phone #: (575	5) 396-2378 Fax #: (575)	) 396-1	429	)					A	ddre	SS:													
Project #:   36	19 Project Owr	ner: (	DG	2					С	ity:							-							
Project Name:	Raspberry Stale 11/12								S	tate:			Zip:			2W	218							
Project Location	Raspberry Stale 11/12 Rural La Quarty, Mguel Rumines	Nm							Phone #:					Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name:	Mglel Ruminer				_				F	ax #:					ह	H	EX							
FOR LAB USE ONLY			Г	E	-	MA	TRI	X		PR	ES	ERV.	SAMPLI	ING		1		i						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER -	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
11	FL19@2'	C	1			X	-				X		4:28:21		X	X	X							
12	FL 20 @2'	C	1	1		1	1	1			X	1	428.21		X	X	X			-	-	_		-
13	FL21 @2'	C	1		-	X	1	-	+	1	Y	1	428:21		N	X	K		-	-	-	-		
14	FLZZEI	C	1	1	-			-	-	+	X		428.21		X	X	X	-	-	-	-	-	-	-
15	FL23Q1	0	1	⊢	+-	-		-	+	+	X	-	428.21		X	X	X		-	+		-		-
19	EWT	0	1	₽	+	+		+	+	+	X	-	4.28.21		X	X	1	-	-	+	-	+-	+	
and the second se	SWI NW3	C		╞	+		1		+	-	X	-	428.21			X			+	+	+-	+-	+	
18	FLOUG	C	Ľ	┢	-	+		+	+	-		-	4.28.21			X	X	-	+		+	+	+	+
70)	FLATES	-	+	⊢	+	+?	4	+	+	+	X		4.28.21		1-×	1	X		+	+	+	+	+-	+
PLEASE NOTE: Liability ar	ad Damages. Cardinal's liability and client's exclusive remody															IA	K			-	_		1	_
analyses. All claims includi service. In no event shall C	ng those for negligence and any other cause whatsoever shall andhall be linble for incidental or consequential damages, inclu- ng out of or related to the performance of services hereu	I be deem	ed war	tation	, busin	made ness in	in wh	inting a uptions	nd rei	of use,	or lo	ss of p	ofits incurred by	r completion of i client, its subsidie	nies,	010								
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May 05, 2021

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: RASPBERRY STATE #1 11/12

Enclosed are the results of analyses for samples received by the laboratory on 05/03/21 16:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/05/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 26 @ 4' (H211123-01)

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	05/04/2021	ND	2.00	100	2.00	8.68	
Toluene*	<0.050	0.050	05/04/2021	ND	1.94	97.2	2.00	9.67	
Ethylbenzene*	<0.050	0.050	05/04/2021	ND	1.89	94.3	2.00	8.89	
Total Xylenes*	<0.150	0.150	05/04/2021	ND	5.59	93.2	6.00	7.89	
Total BTEX	<0.300	0.300	05/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/05/2021	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	05/04/2021	ND	204	102	200	0.721	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	200	99.8	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	91.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.2	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/05/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: FL 27 @ 4' (H211123-02)

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	05/04/2021	ND	2.00	100	2.00	8.68	
Toluene*	<0.050	0.050	05/04/2021	ND	1.94	97.2	2.00	9.67	
Ethylbenzene*	<0.050	0.050	05/04/2021	ND	1.89	94.3	2.00	8.89	
Total Xylenes*	<0.150	0.150	05/04/2021	ND	5.59	93.2	6.00	7.89	
Total BTEX	<0.300	0.300	05/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	05/05/2021	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	05/04/2021	ND	204	102	200	0.721	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	200	99.8	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	87.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93.0	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/05/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: WW 6 (H211123-03)

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	05/04/2021	ND	2.00	100	2.00	8.68	
Toluene*	<0.050	0.050	05/04/2021	ND	1.94	97.2	2.00	9.67	
Ethylbenzene*	<0.050	0.050	05/04/2021	ND	1.89	94.3	2.00	8.89	
Total Xylenes*	<0.150	0.150	05/04/2021	ND	5.59	93.2	6.00	7.89	
Total BTEX	<0.300	0.300	05/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/05/2021	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	05/04/2021	ND	204	102	200	0.721	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	200	99.8	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	96.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/03/2021	Sampling Date:	05/03/2021
Reported:	05/05/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

#### Sample ID: EW 8 (H211123-04)

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	05/04/2021	ND	2.00	100	2.00	8.68	
Toluene*	<0.050	0.050	05/04/2021	ND	1.94	97.2	2.00	9.67	
Ethylbenzene*	<0.050	0.050	05/04/2021	ND	1.89	94.3	2.00	8.89	
Total Xylenes*	<0.150	0.150	05/04/2021	ND	5.59	93.2	6.00	7.89	
Total BTEX	<0.300	0.300	05/04/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/05/2021	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	05/04/2021	ND	204	102	200	0.721	
DRO >C10-C28*	<10.0	10.0	05/04/2021	ND	200	99.8	200	3.88	
EXT DRO >C28-C36	<10.0	10.0	05/04/2021	ND					
Surrogate: 1-Chlorooctane	91.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.5	% 38.9-14	2						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# **RDINAL LABORATORIES** 101 East Marland, Hobbs, NM 88240

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of 7

I
8:44:23 AM
8/11/2021 8:44
Imaging:
Released to I

	(575) 393-2326 F/	AX (575) 393-24	76																							
Company Name: Etech Environmental & Safety Solutions, Inc.						BILL TO						ANALYSIS REQUEST									-					
Project Manager: Joel Lowry					P.O. #:																					
Address: P.C	). Box 301						_		Company: (06)																	
City: Lovingt	on	State: NM	Zip	: 88	260	.60				<b>n</b> :																
Phone #: (575) 396-2378 Fax #: (575) 396-1429					Address:																					
Project #: \?	Project #: 13619 Project Owner: (06					City:																				
					State: Zip:					9	2W	8.					1									
Project Location:					Phone #:					Chloride	801	(80)														
Sampler Name:									Fax #:					CP	TPH (8015M)	BTEX (8021B)										
FOR LAB USE ONLY				Γ		M/	ATRI	K	PRESERV. SAMPLING								B									
Lab I.D. H21/123	Sample I	.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL OTHER:	DA	TE	TIME												
1	FL26@41		C	1		>	4			1	X	5/3/	21		$\chi$	X	X									
2	FL 27@4'		5	1		1	1				4	5/3	21		X	×	X									
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analyses All claims includ	ing those for negligence and any other antihal be liable for incidental or const	cause whatsoever shall be a	iceme	d weiv	ed unles	s medi	e in will	ing and	receiv	ed by	Cardinal	willian 30 da	ys allo	r completion of t	ae applicat	ble										
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Received by OCD: 6/9/2021 12:43:43 PM



May 06, 2021

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: RASPBERRY STATE #1 11/12

Enclosed are the results of analyses for samples received by the laboratory on 05/04/21 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager


# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 28 @ 4' (H211140-01)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/06/2021	ND	432	108	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	05/05/2021	ND	185	92.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	188	93.9	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	85.2	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 29 @ 4' (H211140-02)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	185	92.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	188	93.9	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	81.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	81.8	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 30 @ 4' (H211140-03)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	185	92.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	188	93.9	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	80.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.2	% 38.9-14	2						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 31 @ 4' (H211140-04)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	185	92.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	188	93.9	200	0.848	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	80.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.9	% 38.9-14	2						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: WW 8 (H211140-05)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: WW 7 (H211140-06)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101 9	38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: WW 9 (H211140-07)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	82.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	88.0	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: SW 2 (H211140-08)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106 9	% 38.9-14	2						

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# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 32 @ 3' (H211140-09)

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	05/06/2021	ND	2.00	100	2.00	3.30	
Toluene*	<0.050	0.050	05/06/2021	ND	2.09	104	2.00	2.23	
Ethylbenzene*	<0.050	0.050	05/06/2021	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	05/06/2021	ND	5.95	99.2	6.00	0.827	
Total BTEX	<0.300	0.300	05/06/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	96.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 33 @ 2' (H211140-10)

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	05/05/2021	ND	2.09	104	2.00	2.45	
Toluene*	<0.050	0.050	05/05/2021	ND	2.05	103	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	2.51	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.98	99.7	6.00	2.36	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	94.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101 9	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 34 @ 1' (H211140-11)

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	05/05/2021	ND	2.09	104	2.00	2.45	
Toluene*	<0.050	0.050	05/05/2021	ND	2.05	103	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	2.51	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.98	99.7	6.00	2.36	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	94.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	100 9	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 35 @ 1' (H211140-12)

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	05/05/2021	ND	2.09	104	2.00	2.45	
Toluene*	<0.050	0.050	05/05/2021	ND	2.05	103	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	2.51	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.98	99.7	6.00	2.36	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	92.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.0	% 38.9-14	2						

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### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 36 @ 1' (H211140-13)

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	05/05/2021	ND	2.09	104	2.00	2.45	
Toluene*	<0.050	0.050	05/05/2021	ND	2.05	103	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	2.51	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.98	99.7	6.00	2.36	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: EW 9 (H211140-14)

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	05/05/2021	ND	2.09	104	2.00	2.45	
Toluene*	<0.050	0.050	05/05/2021	ND	2.05	103	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	2.51	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.98	99.7	6.00	2.36	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	96.8	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/04/2021	Sampling Date:	05/04/2021
Reported:	05/06/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	** (See Notes)
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: EW 10 (H211140-15)

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	05/05/2021	ND	2.09	104	2.00	2.45	
Toluene*	<0.050	0.050	05/05/2021	ND	2.05	103	2.00	1.93	
Ethylbenzene*	<0.050	0.050	05/05/2021	ND	2.01	101	2.00	2.51	
Total Xylenes*	<0.150	0.150	05/05/2021	ND	5.98	99.7	6.00	2.36	
Total BTEX	<0.300	0.300	05/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/06/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2021	ND	197	98.6	200	1.46	
DRO >C10-C28*	<10.0	10.0	05/05/2021	ND	205	102	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	05/05/2021	ND					
Surrogate: 1-Chlorooctane	98.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105 9	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# **RDINAL LABORATORIES**

Page 197 of 241

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name: Etech Environmental & Safety Solu	tions	, In	С.		BILL TO							ANALYSIS REQUEST						
Project Manager: Ibel Lowry				Ρ.	0. #:			~										
Address: P.O. Box 301				Co	Company: C o 4													
City: Lovington State: NM	Zip	: 88	260	At	tn:				1									
Phone #: (575) 396-2378 Fax #: (575) 396-1429		A	dres	s:			1											
Project #: 13619 Project Owne	n (	00	Q	Ci	ity:				1									
Project Name: Raspberry St. 41 11/12					ate:		Zip:			EM)	18							
Project Location: Rund Lea county, No	5				none		-1-		Chloride	<b>TPH (8015M</b>	BTEX (8021							
Sampler Name: Maguel Romirez				-	ax #:				Ĕ	H	X							
FOR LAB USE ONLY	Г	Г	MATRIX		-	SERV	SAMPLI	NG	Ĭ	E	BT							
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER :	ACID/BASE:	ICE / LUUL OTHER :	DATE	TIME										
1 FL28@41	C	1	X			K	5/4/21		X	X	X				-			
ZFLRACYI	C	1	X			X	5/4/21	-	X	X	X							
3 FL 30 @4'	C	1	Y		1	C	5/4/21		X	X	X							
4 FL 31 @41	c	1	X			X	5/4/21		X	×	X							
5 WW 8	C	1	X			X	5-14/21		X	+	X							
6 WW7	C	1	X			X	5/4/21		X	×	X							
nEw9	C	1	X			(	5/4/21		x	X	X							
8 SW2	C	1	X		1		5/4/21		X	X	$\times$							
9 FL 32@3'	C	5	r		1	(	5/4/21		X	X	X							
10 FL 33 @2' PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for a	k	1	X			X	5/4/21		X	X	X							
analyses. All claims including those for negligence and any other cause whatsoever shall be revice. In no event shall Cardinal be liable for incidental or consequential dumages, including filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates or successors arising out of or related to the performance of serveces hereunder by the filiates of the performance of serveces hereunder by the filiates or successors arises of the performance of serveces hereunder by the filiates or successors arises of the performance of serveces hereunder by the filiates of the performance of serveces hereunder by the filiates of the performance of serveces hereunder by the filiates of the performance of serveces hereunder by the filiates of the performance of serveces hereunder by the performance of serveces hereunder by the filiates of the performance of serveces here by the filiates of the performance of serveces here by the performance of serveces here by the performance of the performance of serveces here by the performance of the performance of serveces here by the performance of serveces here by the performance of serveces	e willhoe Cardinal Re Re	i limit i, rega icel icel	ation, business interruption roless of whether such cla ved By: ////////////////////////////////////	in, lass c im is bar lition		lass of particular any of the	rolls incurred by c re above Stated re-	leat, ils subsidie asons or otherwi Phone Re Fax Resu REMARKS	ries, se. Hsult: At: S: Vo	I Ye	ts on		ht		lakg	lrom	. fu	Xe P

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# ARDINAL LABORATORIES

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 19

101 East Marland, Hobbs, NM 88240

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

Project Manager: Joel Lowry     P.O. #:       Address:     P.O. Box 301     Company: (OG       City:     Lovington     State: NM Zip: 88260     Attn:       Phone #:     (575) 396-2378     Fax #: (575) 396-1429     Address:       Project #:     13619     Project Owner:     City:	
City:     Lovington     State:     NM     Zip:     88260     Attn:       Phone #:     (575)     396-2378     Fax #:     (575)     396-1429     Address:	
Phone #: (575) 396-2378 Fax #: (575) 396-1429 Address:	
Project # 12/12 Project Owner	
Project Name: Raspborry St. #1 11/12 State: Zip: 950 500 He 1000 He 10000 He 1000 He 10000 He 1000 He 1000 He 1000 He 1000 He	
Project Name: Raspborry St. #1 11/17 State: Zip: 9 5 8 8 9 5 8 9 5 8 9 5 8 9 5 8 9 5 8 9 5 8 9 5 9 5	
Sampler Name: Minure 1 Partiers Fax #:	
FOR LAB USE ONLY MATRIX PRESERV. SAMPLING	
Paint Containers   Holility Containers   Containers Containers	
11 12 FL 34 P2' CIX X 5/4/21 X X X	
1 B FLIGPI CI X S/4/DU V X X	
1314 FL36@Z' = 1 X X X X	
4 15 609 - 1 x x 5/4/21 x x A	
15 NO EW10 CI X X 5/4/21 K X X	
LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	
abyses. All claims including those for negligence and any other cause whatsoever shall be deemed wheel unless made in writing and received by Cardinal within 30 days after completion of the applicable noise. In on event shall Cardinal be liable for incidential or consequential duranges, including willout limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries,	
illates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise,	I Phone #:
11 5-4-21   Fax Result: 9 Yes 10 No Add'I	I Fax #:
Time: 50 Allard Villarde REMARKS:	L A.h. h- 1.1.0
Relinquished By: Date: Received By: Date: Date: Received By: Date:	lab from fuile
Delivered By: (Circle One) Sample Condition CHECKED BY:	nv.com.
Sampler - UPS - Bus - Other: 25.1 c #/13 Cool Intact (Initials)	

Released to Imaging: 8/11/2021 8:44:23 AM

Page 198 of 241



May 11, 2021

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: RASPBERRY STATE #1 11/12

Enclosed are the results of analyses for samples received by the laboratory on 05/05/21 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: WW 10 (H211163-01)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	05/07/2021	ND	384	96.0	400	4.08	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	99.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: EW 11 (H211163-02)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.2	% 69.9-14	0						
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	05/07/2021	ND	384	96.0	400	4.08	
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	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	100 9	44.3-13	3						
Surrogate: 1-Chlorooctadecane	102 9	38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: SW 3 (H211163-03)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 69.9-14	0						
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	05/07/2021	ND	384	96.0	400	4.08	
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	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	99.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: EW 12 (H211163-04)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
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	05/07/2021	ND	384	96.0	400	4.08	
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	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	119 %	44.3-13	3						
Surrogate: 1-Chlorooctadecane	124 9	38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: NW 4 (H211163-05)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.1	% 69.9-14	0						
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	05/07/2021	ND	384	96.0	400	4.08	
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	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 37 @ 4' (H211163-06)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/07/2021	ND	384	96.0	400	4.08	
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	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: FL 38 @ 4' (H211163-07)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/07/2021	ND	384	96.0	400	4.08	
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	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	106 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	110 9	38.9-14	2						

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\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/05/2021	Sampling Date:	05/05/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

### Sample ID: SW 4 (H211163-08)

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	05/07/2021	ND	2.12	106	2.00	2.06	
Toluene*	<0.050	0.050	05/07/2021	ND	2.09	105	2.00	1.70	
Ethylbenzene*	<0.050	0.050	05/07/2021	ND	2.05	102	2.00	1.77	
Total Xylenes*	<0.150	0.150	05/07/2021	ND	6.05	101	6.00	1.52	
Total BTEX	<0.300	0.300	05/07/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	05/07/2021	ND	384	96.0	400	4.08	
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	05/07/2021	ND	206	103	200	0.125	
DRO >C10-C28*	<10.0	10.0	05/07/2021	ND	214	107	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	05/07/2021	ND					
Surrogate: 1-Chlorooctane	105 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	108 9	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Page 209 of 241

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name	pany Name: Etech Environmental & Safety Solutions, Inc.						BILL TO ANALYSIS REQUEST														
Project Manage	r: Jou Lowry					/	P.O. 1	#:				-									
Address: P.O						0	Com	pany	1: C	OG											
City: Lovingto	on State: NM	Zip	: 88	260			Attn:														
Phone #: (57	5) 396-2378 Fax #: (575)	396-1	429	)			Addr	ess:													
Project #: 13619 Project Owner: (0G					City:							-									
Project Name: Daspherry JL. 11/12					State	e:		Zip:			<b>TPH (8015M)</b>	BTEX (8021B)									
Project Location	n: Rural Lea Cos Non						Phon	ne #:				Chloride	801	(80)					L .		
Sampler Name:	Miquel Rominer						Fax 1	k:				CP	H	EX							
FOR LAB USE ONLY		Т	Г		MATR	X	PF	RESE	ERV.	SAMPL	ING		Ħ	E							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME										
1	01000	C	1		X			X		5/5/21		X	X	K							
Z	EWII	C	1		x			X	-	5/5/21		X	X	X							
3	Sup 3	C	1		X			X		5/5/21		K	X	×							
4	EWIZ	C	1		X			X		5/5/21		×	x	X							
5	NWY	(	1		X			X		5/5/21		K	X	×							
6	FL 37@4'	(	1		X			X		5/5/21		X	×	x							-
7	FL 38Q4'	C	1		X			X	1	5/5/21		X	×	×							
8	jur4	<	<		x		1	K		5/5/21		X	X -	~				-			
							+				-		-			-	-	-	-		 -
analyses. All claims includi service. In no event shall C	nd Damages. Cardinal's liability and client's exclusive remody for ing those for negligence and any other clause whatsoenhindful andhal be liable for incidential or consequential damages, includ ing out of or related to the performance of services herounder by v*	e deema ing without Cardina	d waix ut limit i, rega	nd unler ation, be	is made in wi ainads interna ( whether suc	iling and r plices, los	eceived is of use	by Car b, or lat	rdinal v ss of pr	within 30 days allo rollis incurred by	er completion of client, its subsidi	the applical ules, ise:		s O	No	Add'i	Phone	#:			 
Relinquished B	Ann 5-5-2 Time: 1652			Ved E	uar	40		la	a	Hel	Please	ilt: S:	□ Ye	s 🗆	No	Add'i	Fax #:				
	- Bus - Other: 3.6c		_	C	ample Co cool Int Ves	Yes No		9	(Init	(ED BY: tiais)										 	

Received by OCD: 6/9/2021 12:43:43 PM



May 11, 2021

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: RASPBERRY STATE #1 11/12

Enclosed are the results of analyses for samples received by the laboratory on 05/06/21 17:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/06/2021	Sampling Date:	05/06/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

### Sample ID: NW 5 (H211174-01)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/10/2021	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	05/10/2021	ND	208	104	200	8.90	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	206	103	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	107	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/06/2021	Sampling Date:	05/06/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

### Sample ID: NW 6 (H211174-02)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/10/2021	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	05/10/2021	ND	208	104	200	8.90	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	206	103	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/06/2021	Sampling Date:	05/06/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

### Sample ID: SW 5 (H211174-03)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/10/2021	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	05/10/2021	ND	208	104	200	8.90	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	206	103	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111 9	38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/06/2021	Sampling Date:	05/06/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

### Sample ID: SW 6 (H211174-04)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/10/2021	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	05/10/2021	ND	208	104	200	8.90	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	206	103	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	86.2	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/06/2021	Sampling Date:	05/06/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

### Sample ID: WW 11 (H211174-05)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/10/2021	ND	400	100	400	3.92	
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	05/10/2021	ND	208	104	200	8.90	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	206	103	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	105 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	106 9	% 38.9-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/06/2021	Sampling Date:	05/06/2021
Reported:	05/11/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Jodi Henson
Project Location:	COG - LEA CO NM		

### Sample ID: FL 39 @ 4' (H211174-06)

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	05/10/2021	ND	2.07	104	2.00	1.52	
Toluene*	<0.050	0.050	05/10/2021	ND	2.02	101	2.00	0.192	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	1.97	98.3	2.00	1.17	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	5.89	98.2	6.00	0.780	
Total BTEX	<0.300	0.300	05/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/10/2021	ND	400	100	400	3.92	
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	05/10/2021	ND	208	104	200	8.90	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	206	103	200	10.4	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103 9	% 38.9-14	2						

### Cardinal Laboratories

### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager


# **Notes and Definitions**

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

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

#### Cardinal Laboratories

## \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (ETE) 202 2226 EAV (ETE) 202 2476

Company Name	Etech Environmental & Safety Sol	utions	, Inc				T		B	IL	LTO						ANAL	YSIS	RE	QUE	ST		
Project Manage	r: Joel Lowry						P	.0. #	:														
	. Box 301						c	omp	any:C	200	4												
City: Lovingto	on State: NM	Zip	: 882	260			-	ttn:															
Phone #: (575	5) 396-2378 Fax #: (575)	396-1	429				+	Address:															
Project #: 136	19 Project Own	er: C	06	,			-	City:															
Project Name:						-	tate:		7	Zip:			SM)	BTEX (8021B)									
Project Location	1: Puelle a date						-	hone	#:				Chloride	TPH (8015M)	(80								
Sampler Name:	" Pural Lea co, NM Miguel Ramirec							ax #:					Ť	EH	X							1	
FOR LAB USE ONLY	They ber tramited	T			MAT	RIX		-	ESER	V.	SAMPLI	NG		TP	BT								
Lab I.D. H211174	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	CINER :	DATE	TIME											
	NWS	C	1		X			T	X		3/6/21		X	X	X	-			-	-			
2	NW6	c	1		X				Y		516/20		X	X	X	-	-			-			
3	SWS	4	1		Y				X		5/6/21		X	X	X	-				-			
4	5 2 6	C	1		V				X	1	5/6/21		X	X	X	-			-	+	+		
5	wwil	4	1		Ý		_	-	X		5/1/21		X	X	X	-	+		-	-	+		-
6	FL 39@4'	(	,		x			-	X	1	5/6/21		X	X	X	-	+	-	-	+	+		
		+	4		-		-	-		+				-		+	+	-	-	+	-	1 1	
		+	-		-			+		+			-		-	-		-	1-	1-	1		
		+	-		-		+	+		+			-			-	-	-	1	1	1		
natyses. All clarms including envice. In no event shall Ca filease or successors arises Relinquished By Relinquished By Delivered By:	Br 3/2/2/   Image: Date: Date:   Time: Time:	e deeme ng witho: Cardinal Re	s waive a limital regard ceiv	d unless n lion, businu kess of wh ed By ded By ed By	nacie in ess inte rether :	writing struption such cta	and red ts, loss tim is but d	ceived b of use, ased up	y Cardina or loss of on any of	al vill i profi i live a	hin 30 days alle its incurred by c above stated re	r completion of t fient, its subsidie	the applical nios, ise. esult: ilt: S:		es D	No No	Add'l	Phone Fax #:					



May 12, 2021

JOEL LOWRY Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: RASPBERRY STATE #1 11/12

Enclosed are the results of analyses for samples received by the laboratory on 05/10/21 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: SW 7 (H211200-01)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/12/2021	ND	432	108	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	05/11/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	96.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.8	% 38.9-14	2						

## Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 40 @ 1' (H211200-02)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/12/2021	ND	432	108	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	05/11/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	105	% 38.9-14	2						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 41 @ 1' (H211200-03)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/12/2021	ND	432	108	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	05/11/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	88.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	91.5	% 38.9-14	2						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 42 @ 1' (H211200-04)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/12/2021	ND	432	108	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	05/11/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.8	% 38.9-14	2						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 43 @ 1' (H211200-05)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/12/2021	ND	432	108	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	05/11/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	95.2	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: SW 8 (H211200-06)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/12/2021	ND	432	108	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	05/11/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	88.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	89.8	% 38.9-14	2						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 44 @ 1' (H211200-07)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/12/2021	ND	432	108	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	05/11/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/11/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/11/2021	ND					
Surrogate: 1-Chlorooctane	97.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.8	% 38.9-14	2						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 45 @ 1' (H211200-08)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	05/12/2021	ND	432	108	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	99.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	102	% 38.9-14	2						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 46 @ 2' (H211200-09)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/12/2021	ND	432	108	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	98.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	101	% 38.9-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 47 @ 2' (H211200-10)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/12/2021	ND	432	108	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	95.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	97.5	% 38.9-14	2						

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## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: NW 7 (H211200-11)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	89.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	92.0	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: NW 8 (H211200-12)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	96.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.4	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: EW 13 (H211200-13)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	96.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	98.9	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 48 @ 1' (H211200-14)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	116 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	120	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 49 @ 1' (H211200-15)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	95.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.0	% 38.9-14	2						

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## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 50 @ 1' (H211200-16)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	94.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	99.3	% 38.9-14	2						

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## \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: FL 51 @ 1' (H211200-17)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.8	% 69.9-14	0						
Chloride, SM4500Cl-B	′kg	Analyze	d By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	103	% 38.9-14	2						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

Etech Environmental & Safety Solutions JOEL LOWRY P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	05/10/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	RASPBERRY STATE #1 11/12	Sampling Condition:	Cool & Intact
Project Number:	13619	Sample Received By:	Tamara Oldaker
Project Location:	COG - LEA CO NM		

## Sample ID: WW 12 (H211200-18)

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	05/11/2021	ND	2.08	104	2.00	4.79	
Toluene*	<0.050	0.050	05/11/2021	ND	2.02	101	2.00	5.04	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	1.97	98.7	2.00	5.52	
Total Xylenes*	<0.150	0.150	05/11/2021	ND	5.88	97.9	6.00	4.92	
Total BTEX	<0.300	0.300	05/11/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/12/2021	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	05/12/2021	ND	211	106	200	2.16	
DRO >C10-C28*	<10.0	10.0	05/12/2021	ND	226	113	200	0.924	
EXT DRO >C28-C36	<10.0	10.0	05/12/2021	ND					
Surrogate: 1-Chlorooctane	93.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	95.0	% 38.9-14	2						

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Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

# **RDINAL LABORATORIES**

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 21 of 22

101 East Marland, Hobbs, NM 88240

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

Company Name: Etech Environmental & Safety Solutions, Ind	C.	BILL	ANALYSIS REQUEST				
Project Manager: Joel Lowry	P.O. #:					T	
Address: P.O. Box 301	Company: COC	7					
City: Lovington State: NM Zip: 88	3260	Attn:			J		
Phone #: (575) 396-2378 Fax #: (575) 396-1429	9	Address:					
Project #: 13619 Project Owner: Coo	7	City:	1				
Project Name: Raspherry St. #1 11/12 Project Location: Rural Lea County, NM		State: Zip		9	21B		
Project Location: Pural Ica County, NM		Phone #:		Chloride	(80)		
Sampler Name: Miguel Pamire?		Fax #:		Chloride	BTEX (8021B)		
FOR LAB USE ONLY	MATRIX	PRESERV. S	AMPLING	1   1			1
Lab I.D. Sample I.D. 4211200			DATE TIME				
15W7 C1	X		7/21	XY	$\langle X \rangle$		
ZFL40@1' C'	K		7/21	X	XX		
3 FLYICI' C'	X	the second se	7/21	XX	~		-
4 FL 42 @1' C (	Y	designed and the second s	7/21	- C.	$\langle k \rangle$		
5 443601' (1	×		7/21		XX		-
6 DSW8 CI	x		7/21		XX		
7 FL44@1' CI	X	K SI	1/21	XY	( 7		
8 FL 45@1' C.			7/21	X	XX		
9 FL 4602' 9!	X	× 5/-	1/2/	XX	X		
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim artist		That shall be smithed to the	7/21	XX			1
analyses. All claims including these for negligence and any other cause whetheover shell be deemed with service. In no event shell Cardinal be liable for incidented or consequential damages, including without limit affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, rega	indon, business interruptions, i ardiess of whether such claim i	s received by Cardinei within 3 lass of use, or loss of profils in	D days aller completion of t curred by client, its subsidie e stated reasons or otherwi	he applicable des, se.			
Mun 2-10-21 Time 4650	Wed By:	Aldak	Phone Re Fax Resu REMARK	<u>itt: □</u> S:	Yes No Yes No	Add'I Phone #: Add'I Fax #:	
Delivered By: (Circle One)	Sample Conditi Cool Intact	(Initials)	BY:	email resi	ults to pm@e	etechenv.com.	
Sampler - UPS - Bus - Other: 3.6c #113	Yes Yes	V c					
FORM-006 † Cardinal of	cannot accept ver	bal changes. Plea	ase fax written o	changes t	to 575-393-24	76	

Page 239 of 241

**Revision 1.0** 

# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

Page 240 of 241

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 22 of 22

Company Name	: Etech Environmenta	al & Safety Solut	tions	inc						B	ILL T	0			_	-		ANA	LYSI	S RE	QUE	ST	
Project Manage	r: Joel Lown	1						Ρ.	0. #														
Address: P.O. Box 301				Company: COG						1													
City: Lovingto	on	State: NM	Zip:	882	60			Attn:															
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:											1								
		Project Owner	r. (	OG	)			Ci	ty:							-							
Project Name:	Raspberry SI.#	1 11/12						St	ate:		Zip:			e	EM)	218							
Project Locatio	Raspberry SI. # n: Rural Lea Muquel Ran	co, NM						PI	none	#:				Chloride	TPH (8015M)	BTEX (8021B)							
Sampler Name:	Myvel Ran	niret						Fa	x#:		6			-S	H	EX I							
FOR LAB USE ONLY					-	MAT	RIX	-	PR	ESER	SAN	IPLI	NG		F	6							
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER :	ACID/BASE:	ICE / COOL OTHER :		-	TIME										
11	NWT		(	1		X		_		X	5/7			X	K	×							
12	NWB		0	1	-	X		_		X	5/7	L. L		X	X	X	-			-			-
13	EWIS		С	1	-	V	_	-	-	×	5/7/	21		X	X	X	-		-	-	-		 
14	FL 48@1		0	1	-	X	-		⊢	X	5/7/	21		X	+	A			-	-	-	$\left  \right $	 
15	FL 56/01		C	1	-	X		-	⊢	x	5/7/	_		X	X	X	+	+	-	-	+		 
17	FLSIPI		C			X	-	+	$\vdash$	X	5/7/			K	X	X	+	+	+		-	+	 -
18	WWIY		C	ì	-	V		+	$\vdash$	V	ET	5		X	4	X	+	+	1		+		-
10	Loto I .			Ì	-	11		1			FIL	10		1	-	F	1	1		1			
analyses All claims includ service. In no event shall C	ld	auso whatsoever shall be puental damages, including	deemed without ardinal	regard	i weines ion, buni	made in ness inte dether s	willing a	end seco	il use, i	y Cardinal or loss of p	within 30 day profils incurre	s alle d by c	r comptelion of li fient, its subeiding	he applical des, se. esult: lt:	Ve Ve		] No ] No		Phone Fax #:	#:			 
Delivered By Sampler - UPS	: (Circle One)	Time:	#11	3	Co	inple ol I Yes No	ntact			(In	KED BY: itials)		Please e	email r	esults	to p	m@e	techer	iv.con	n.			

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

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

District III

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

District IV

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

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

CONDITIONS
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Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	31174
	Action Type:
	[C-141] Release Corrective Action (C-141)

## CONDITIONS

Created By	Condition	Condition Date
chensley	None	8/11/2021

Page 241 of 241 CONDITIONS

Action 31174