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Oil Conservation Division

Incident ID	nRM1929031912
District RP	
Facility ID	
Application ID	

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Title: ##Environmental Coordi} æ[Printed Name: Acqui Harris Signature: Jacqui Arois Date: 5/24/2021 email: best after a @conocophillips.com Telephone: (Í Ï Í)Â Ì J-HFFI **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: _____ Date: _____ Printed Name: Title:

Remediation Summary & Soil Closure Request

COG Operating, LLC Sebastian Fed Com #001H

Lea County, New Mexico Unit Letter "D", Section 18, Township 24 South, Range 34 East Latitude 32.22430 North, Longitude 103.51539 West NMOCD Reference No. nRM1929031912

Prepared By:

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

Bes J. Arguijo

Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

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- Appendix C Laboratory Analytical Reports
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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 Sebastian Fed Com #001H (henceforth, "Site"). Details of the release are summarized below:

atitude:		32.2	2243	Longitude:		-103.51539				
		_		ed GPS are in WGS84 form	nat.					
Site Name:	Sel	bastian F	ed Com #001H	Site Type:	Ta	ank Battery				
Date Release Dis	covere	d:	10/5/2019	API # (if applie		N/A				
Unit Letter	Sec	tion	Township	Range	County	T				
"D"		8	24S	34E	Lea	1				
Surface Owner: [Sta	te I		X Private (National Notation National Notation Notation National Notation National N		Quail Ranch, LLC				
X Crude Oil		Volume	e Released (bbls)	10	Volume Recover	red (bbls) 8				
X Produced W	ater	Volume	e Released (bbls)	30	Volume Recover	red (bbls) 25				
			ncentration of total on the produced water		X Yes	No N/A				
Condensate		Volume	e Released (bbls)		Volume Recovered					
Natural Gas		Volume	e Released (Mcf)		Volume Recovered					
Other (desc	ribe)	Volume	/Weight Released		Volume/Weight I	Recovered				
	caused		-	-		in the pasture. During nove all free-standing				
			Iı	nitial Response						
X The source of	of the re	elease has	s been stopped.							
X The impacted	l area h	as been s	ecured to protect hum	nan health and the en	vironment.					
X Release mate	erials h	ave been	contained via the use	of berms or dikes, a	bsorbent pad, or other	containment devices				
	da and	recoveral	le materials have bee	on removed and mana	ged appropriately.					

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a halfmile radius of the Site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on July 30, 2020, an investigative soil boring/temporary monitor well (BH-1) was drilled at the Site in an effort to determine if shallow groundwater is present in the area. The investigative soil bore was advanced to a total depth of approximately 55 feet below ground surface (bgs) and left open for 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil bore or prior to plugging and abandonment. The location of the soil bore is depicted in Figure 2. A drilling log is provided in Appendix B.

What is the shallowest depth to groundwater beneath the area affected by the release?	>55'
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	10,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
>55'	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 INITIAL SITE ASSESSMENT

On January 5, 2021, Etech conducted an initial site assessment. During the initial site assessment, a series of hand-augered soil bores (EFS2, EFS3, P1 through P4, and RS1) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, hand-augered soil bores (EFS1 and FS9) 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, field 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 12 delineation soil samples (P1 @ Surface, P3 @ Surface, P3 @ 1', P4 @ Surface, P4 @ 1', RS1 @ Surface, RS1 @ 1', EFS1 @ Surface, EFS2 @ Surface, EFS2 @ 1', EFS3 @ Surface, and FS9 @ Surface) were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, additional delineation of the release was required.

On December 4, 2019, Etech revisited the Site. During the site visit, three (3) additional hand-augered soil bores (V1, V2, and V3) were advanced within the release margins to further investigate the vertical extent of impacted soil. In addition, four (4) hand-augered soil bores (NH, EH, SH, and WH) were advanced at the inferred edges of the affected area to further investigate the horizontal extent of impacted soil. Based on field observations and field test data, a total of 15 delineation soil samples (V1 @ 1', V1 @ 2', V2 @ 1', V2 @ 2', V2 @ 3', V3 @ 1', V3 @ 2', NH @ Surface, NH @ 4', EH @ Surface, EH @ 4', SH @ Surface, SH @ 4', WH @ Surface, and WH @ 4') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, soil was not affected above the NMOCD Closure Criteria beyond two (2) feet bgs, and the vertical and horizontal extent of impacted soil was adequately defined.

5.0 **PROPOSED REMEDIATION PLAN**

Based on laboratory analytical results, site characteristics, and field observations made during the initial site assessment, COG Operating, LLC, proposed the following remediation activities designed to advance the Site toward an approved closure:

- Utilizing mechanical equipment, excavate impacted soil affected above the NMOCD Closure Criteria in the pasture in the areas characterized by sample points EFS2 and RS1 and on the production pad in the areas characterized by sample points P1, P3, P4 and V2. Advance the floor and sidewalls of the excavated area until laboratory analytical results indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria.
- Excavate impacted soil affected above the NMOCD Reclamation Standard present within the uppermost four (4) feet of the pasture in the areas characterized by sample points EFS2, EFS3, and V3. Advance the floor and sidewalls of the excavated area until laboratory analytical results from confirmation soil samples indicate BTEX, TPH and chloride are below the NMOCD Reclamation Standard.
- Haul all of the excavated material to an NMOCD-approved surface waste disposal facility.
- Once the excavation is complete, collect representative 5-point composite soil samples every 500 square feet from the bottom and sidewalls of the excavated areas to be laboratory analyzed for the constituents of concern. Collect discrete soil samples from any "hot spots" encountered during the excavation.
- Backfill the excavation with clean "like" material and contour it to match the surrounding terrain.

6.0 **REGULATORY APPROVALS & STIPULATIONS**

On September 15, 2020, a *Work Plan* was submitted to the NMOCD proposing remediation activities designed to advance the Site toward regulatory closure. The *Work Plan* was subsequently approved by the NMOCD.

Please reference the Work Plan for additional details regarding site characterization and proposed remediation activities.

7.0 REMEDIATION ACTIVITIES SUMMARY

On May 7, 2020, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the provisional NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled onsite, pending transfer to an NMOCD-approved 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 observations and field test results suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard. To facilitate remediation activities, the excavation was divided into six (6) subsections: A through F.

On May 20, 2020, remediation activities were temporarily suspended, pending the advancement of an investigative soil boring/temporary monitor well and approval of the proposed work plan and Closure Criteria by the NMOCD.

On March 24, 2021, upon approval of the *Work Plan* by the NMOCD, remediation activities resumed at the Site. Etech collected 64 confirmation soil samples (A NW, A SW, A FL1 @ 1', B NW, B SW, B WW, B FL @ 2', B FL2 @ 2', B FL3 @ 2', C NW, C SW, C FL @ 2.5', D NW, D EW1, D EW2, D SW, D WW1, D WW2, D FL1 @ 6" through D FL7 @ 6", E NW, E EW, E WW, E FL1 @ 6" through E FL7 @ 6", F EW1, F SW1, F SW2, F WW1, F WW2, F WW3, and F FL1 @ 6" through F FL23 @ 6") from the sidewalls and floors of the excavated areas. The soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples. GRO+DRO concentrations exceeded the NMOCD Closure Criteria in soil samples B WW, C NW, D WW2, D FL4 @ 6", F SW2, F FL7 @ 6", F FL11 @ 6", F FL12 @ 6", F FL14 @ 6", F FL15 @ 6", F FL16 @ 6", F FL18 @ 6", F FL19 @ 6", and F FL22 @ 6". TPH concentrations exceeded the NMOCD Closure Criteria in soil samples B WW, C NW, D WW2, F SW2, F FL11 @ 6", F FL12 @ 6", F FL

Etech also advanced two (2) additional hand-augered soil bores (SWH B and WH1) at the inferred edges of the affected area to further investigate the horizontal extent of impacted soil. A soil sample from each soil bore was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated chloride concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples B SW, B WW, B FL2 @ 2', B FL3 @ 2', C NW, C FL @ 2.5', D NW, D EW2, D SW, D WW1, D WW2, D FL4 @ 6", D FL5 @ 6", D FL6 @ 6", E EW, E WW, E FL2 @ 6", E FL4 @ 6", F EW1, F SW2, F FL7 @ 6", F FL11 @ 6", F FL12 @ 6", F FL14 @ 6" through F FL16 @ 6", F FL18 @ 6", F FL19 @ 6", and F FL22 @ 6".

On April 27, 2021, Etech collected 27 confirmation soil samples (B SWB @ 1', B WWB, B FL2B @ 2', B FL3B @ 2', C NWB, C FL5B @ 3', D NWB, D EW2B, D SWB, D WW1B, D WW2B, D FL4B @ 0-6", D FL5B @ 1', D FL6B @ 1', FL2B @ 6", FL4B @ 6", F EW1B, F SW2B, F FL7B 0-6", F FL11B 0-6", F FL12B 0-6", F FL14B 0-6" through F FL16B 0-6", F FL18B 0-6", F FL19B 0-6", and F FL22B 0-6") from the sidewalls and floors of the excavated areas. The soil samples were submitted to the laboratory for analysis of TPH and chloride. Laboratory analytical results indicated GRO+DRO concentrations exceeded the NMOCD Closure Criteria in soil samples F FL7B 0-6", F FL12B 0-6", F FL12B 0-6", and F FL16B 0-6". TPH concentrations exceeded the NMOCD Closure Criteria in soil samples F FL12B 0-6" and F FL16B 0-6". Chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standard in each of the submitted soil samples.

Based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples D EW2B, F FL7B 0-6", F FL11B 0-6", F FL12B 0-6", and F FL16B 0-6".

On May 3, 2021, Etech collected seven (7) confirmation soil samples (D EW2C, E EWB, E WWB, F FL7C @ 6"-9", F FL11C @ 6"-9", F FL12C @ 1', and F FL16C @ 1') from the sidewalls and floors of the excavated areas. The soil samples were submitted to the laboratory for analysis of TPH. Laboratory analytical results indicated TPH concentrations were below the NMOCD Closure Criteria and NMOCD Reclamation Standard in each of the submitted soil samples.

The final dimensions of the excavated areas were approximately 10 to 238 feet in length, 10 to 125 feet in width, and six (6) inches to three (3) feet in depth. During the course of remediation activities, approximately 256 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal.

Soil sample locations and the extents of the excavated areas are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and soil profile logs are provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the Site are provided in Appendix D.

8.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

Areas affected by remediation and closure activities were substantially restored to the condition that existed prior to the release, to the extent practicable. 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 during the first favorable growing season following closure of the Site.

9.0 SOIL CLOSURE REQUEST

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

10.0 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.

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

					Tab	le 1					
			Conce		· · · · · · · · · · · · · · · · · · ·		Chloride in	n Soil			
					OG Opera	0.					
					astian Fed						
				1	D Ref. #: 1	nRM1929	031912	1	1	1	
	CD Closure C			10	50	-	-	1,000	-	2,500	10,000
NMOCD	Reclamation	Standard		10	50	-	-	- 7 846 8015M	-	100	600
				SW 840	5 8021B		SW	4500 Cl			
Sample ID	Date	Depth	Soil Status	Benzene	BTEX	GRO	DRO	GRO + DRO	ORO	ТРН	Chloride
			Status	(mg/kg)	(mg/kg)	C ₆ -C ₁₀ (mg/kg)	C ₁₀ -C ₂₈ (mg/kg)	C6-C28	C ₂₈ -C ₃₆ (mg/kg)	C ₆ -C ₃₆ (mg/kg)	(mg/kg)
					Delineatior		(mg/ng)	(mg/kg)	((
EFS1 @ Surface	11/15/2019	Surface	Executed	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
EFS1 @ Surface EFS2 @ Surface	11/13/2019 11/15/2019			<0.030	<0.300	<10.0	4,130	4,130	<10.0 902	5,030	1,390
EFS2 @ Surface EFS2 @ 1'	11/15/2019		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
EFS3 @ Surface				<0.050	< 0.300	<10.0	218	218	43.8	262	608
FS9 @ Surface				<0.030	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PS9 @ Surface	11/13/2019 11/15/2019			<0.030	<0.300	<10.0	5,310	5,310	1,160	<10.0 6,470	<10.0 608
P1 @ Surface P3 @ Surface	11/13/2019			<0.030	< 0.300	<10.0	4,610	5,310 4,610	1,160	6,470 5,870	1,340
P3 @ J'	11/15/2019		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
P3 @ 1 P4 @ Surface	11/13/2019 11/15/2019			<0.030	3.03	241	21,200		<10.0 4,840		<16.0 1,170
P4 @ Surface P4 @ 1'	11/15/2019		In-Situ	< 0.050	< 0.300	<10.0	<10.0	21,400 <10.0	-	26,300 <10.0	<16.0
RS1 @ Surface			Excavated						<10.0		
				<0.050	<0.300	<10.0 <10.0	1,150	1,150	251	1,400	880
RS1 @ 1'	11/15/2019		In-Situ	<0.050	<0.300		<10.0	<10.0	<10.0	<10.0	32.0
NH @ Surface	12/4/2019		In-Situ	<0.050	<0.300	<10.0	41.5	41.5	<10.0	41.5	48.0
NH @ 4'	12/4/2019		In-Situ	<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
EH @ Surface	12/4/2019			<0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
EH @ 4'	12/4/2019		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SH @ Surface	12/4/2019			< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SH @ 4'	12/4/2019	4'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SWH B	3/24/2021	6"	In-Situ	-	-	-	-	-	-	-	256
WH @ Surface			In-Situ	<0.050	< 0.300	<10.0	39.1	39.1	11.9	51.0	240
WH @ 4'	12/4/2019	4'	In-Situ	< 0.050	< 0.300	<10.0	16.0	16.0	<10.0	16.0	192
WH1	3/24/2021	6"	In-Situ	-	-	-	-	-	-	-	112
V1 @ 1'	12/4/2019		In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
V1 @ 2'	12/4/2019		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
V2 @ 1'	12/4/2019		Excavated	<0.050	1.10	146	12,800	12,900	2,560	15,500	112
V2 @ 2'	12/4/2019		In-Situ	<0.050	<0.300	<10.0	158	158	32.9	191	32.0
V2 @ 3'	12/4/2019		In-Situ	<0.050	<0.300	<10.0	720	720	127	847	32.0
V3 @ 1'	12/4/2019		Excavated	<0.050	<0.300	<10.0	95.1	95.1	20.3	115	160
V3 @ 2'	12/4/2019	2'	In-Situ	< 0.050	<0.300 Excavation	<10.0	36.7	36.7	<10.0	36.7	224
A NW	3/24/2021	0'-1'	In-Situ	< 0.050	< 0.300	<10.0	16.1	16.1	<10.0	16.1	16.0
A SW	3/24/2021	0'-1'	In-Situ In-Situ	<0.030	<0.300	<10.0	<10.1	<10.1	<10.0	<10.1	10.0
A FL1 @ 1'	3/24/2021	1'	In-Situ In-Situ	<0.030	<0.300	<10.0	12.8	12.8	<10.0	12.8	32.0
B NW	3/24/2021	0'-2'	In-Situ In-Situ	<0.050	<0.300	<10.0	31.2	31.2	13.5	44.7	32.0
B SW	3/24/2021		Excavated	<0.050	<0.300	<10.0	648	648	227	875	48.0
B SWB @ 1'	4/27/2021	1'	In-Situ	-0.030	-0.500	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
B WW	3/24/2021	0'-2'	Excavated	< 0.050	< 0.300	<10.0	2,590	2,590	<10.0 721	3,310	48.0
B WWB	4/27/2021	0'-2'	In-Situ	.0.000	-0.500	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
B FL @ 2'	3/24/2021	2'	In-Situ In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
B FL2 @ 2'	3/24/2021	2'	Excavated	<0.030	<0.300	<10.0	676	676	169	845	16.0
D 1 L2 W 2	JIZ4/2021	Δ.	Encavaled	~0.030	~0.300	~10.0	070	070	109	043	10.0

NOTES: - = Sample not analyzed for that constituent. Bold text denotes a concentration that exceeds the

Bold text denotes a concentration that exceeds the NMOCD Closure Criteria Released to Imaging: 8/25/2021 8:41:40 AM

					Tab	le 1					
			Conce		,		Chloride in	n Soil			
					OG Opera	0,					
					astian Fed						
				-	D Ref. #: 1	1RM1929	031912	1	1	1	
	CD Closure C			10	50	-	-	1,000	-	2,500 100	10,000
NMOCD	Reclamation	Standard		10	50	-	600				
				5W 840	5 8021B			646 8015M			4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C6-C36 (mg/kg)	Chloride (mg/kg)
B FL2B @ 2'	4/27/2021	2'	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
B FL3 @ 2'	3/24/2021	2'	Excavated	< 0.050	< 0.300	<10.0	141	141	71.2	212	48.0
B FL3B @ 2'	4/27/2021	2'	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
C NW	3/24/2021	0'-3'	Excavated	< 0.050	< 0.300	<10.0	2,710	2,710	642	3,350	784
C NWB	4/27/2021	0'-3'	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
C SW	3/24/2021	0'-3'	In-Situ	< 0.050	< 0.300	<10.0	28.2	28.2	<10.0	28.2	16.0
C FL @ 2.5'	3/24/2021	2.5'	Excavated	< 0.050	< 0.300	<10.0	913	913	152	1,070	176
C FL5B @ 3'	4/27/2021	3'	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
D NW	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	182	182	58.6	241	80.0
D NWB	4/27/2021	0"-6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
D EW1	3/24/2021	0"-6"	In-Situ	< 0.050	< 0.300	<10.0	73.8	73.8	21.2	95.0	32.0
D EW2	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	758	758	225	983	80.0
D EW2B	4/27/2021	0"-6"	Excavated	-	-	<10.0	86.4	86.4	46.7	133	48.0
D EW2C	5/3/2021	0"-6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	-
D SW	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	485	485	216	701	96.0
D SWB	4/27/2021	0"-6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	128
D WW1	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	222	222	66.5	289	112
D WW1B	4/27/2021	0"-6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
D WW2	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	3,170	3,170	690	3,860	912
D WW2B	4/27/2021	0'-1'	In-Situ	-	-	<10.0	13.2	13.2	<10.0	13.2	1,500
D FL1 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	66.4	66.4	21.2	87.6	48.0
D FL2 @ 6"	3/24/2021	6" 6"	In-Situ	< 0.050	<0.300	<10.0	49.8	49.8	13.8	63.6	64.0
D FL3 @ 6"	3/24/2021		In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
D FL4 @ 6" D FL4B @ 0-6"	3/24/2021 4/27/2021	6" 0"-6"	Excavated In-Situ	< 0.050	< 0.300	<10.0 <10.0	1,410 <10.0	1,410 <10.0	407 <10.0	1,820 <10.0	144 32.0
D FL4B @ 0-0 D FL5 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	133	133	31.0	164	64.0
D FL5 @ 0 D FL5B @ 1'	4/27/2021	1'	In-Situ	<0.030	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
D FL6 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	324	324	107	431	144
D FL6B @ 1'	4/27/2021	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
D FL7 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	13.5	13.5	<10.0	13.5	16.0
E NW	3/24/2021	0"-6"	In-Situ	< 0.050	<0.300	<10.0	46.0	46.0	14.4	60.4	<16.0
EEW	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	121	121	63.3	184	16.0
E EWB	5/3/2021	0"-6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	-
EWW	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	479	479	220	699	80.0
E WWB	5/3/2021	0"-6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	-
E FL1 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	52.1	52.1	10.2	62.3	64.0
E FL2 @ 6"	3/24/2021	6"	Excavated		< 0.300	<10.0	205	205	88.0	293	64.0
FL2B @ 6"	4/27/2021	6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
E FL3 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	16.9	16.9	<10.0	16.9	80.0
E FL4 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	97.6	97.6	37.4	135	32.0
FL4B @ 6"	4/27/2021	6"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	208
\sim		-									

NOTES:

- = Sample not analyzed for that constituent. Bold text denotes a concentration that exceeds the NMOCD Closure Criteria Released to Imaging: 8/25/2021 8:41:40 AM

					Tab						
			Conce		of BTEX,			ı Soil			
					OG Opera	0.					
					astian Fed						
					D Ref. #: 1	1KM1929	031912				
	CD Closure C			10	50	-	-	1,000	-	2,500	10,000
NMOCD	Reclamation	Stanuaru		10	50	-	-	-	-	100	600
				SW 840	5 8021B			GRO +			4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	DRO C_6 - C_{28} (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C6-C36 (mg/kg)	Chloride (mg/kg)
E FL5 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	31.1	31.1	13.5	44.6	16.0
E FL6 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	31.2	31.2	14.5	45.7	<16.0
E FL7 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	26.8	26.8	14.8	41.6	<16.0
F EW1	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	75.2	75.2	40.3	116	208
F EW1B	4/27/2021	0"-6"	In-Situ	-	-	<10.0	40.0	40.0	<10.0	40.0	96.0
F SW1	3/24/2021	0"-6"	In-Situ	< 0.050	< 0.300	<10.0	93.3	93.3	79.7	173	1,070
F SW2	3/24/2021	0"-6"	Excavated	< 0.050	< 0.300	<10.0	4,770	4,770	1,130	5,900	7,520
F SW2B	4/27/2021	0"-6"	In-Situ	-	-	<10.0	138	138	83.3	221	608
F WW1	3/24/2021	0"-6"	In-Situ	< 0.050	< 0.300	<10.0	716	716	347	1,060	144
F WW2	3/24/2021	0"-6"	In-Situ	< 0.050	< 0.300	<10.0	226	226	101	327	448
F WW3	3/24/2021	0"-6"	In-Situ	< 0.050	< 0.300	<10.0	536	536	253	789	432
F FL1 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	49.5	49.5	22.5	72.0	112
F FL2 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	50.0	50.0	21.1	71.1	352
F FL3 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	37.5	37.5	12.5	50.0	80.0
F FL4 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	10.2	10.2	<10.0	10.2	80.0
F FL5 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	131	131	67.2	198	192
F FL6 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	193	193	69.4	262	144
F FL7 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	1,260	1,260	455	1,720	176
F FL7B 0-6"	4/27/2021	0"-6"	Excavated	-	-	<10.0	1,370	1,370	548	1,920	96.0
F FL7C @ 6"-9"	5/3/2021	6"-9"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	-
F FL8 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	350	350	151	501	128
F FL9 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	218	218	96.1	314	144
F FL10 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	475	475	174	649	192
F FL11 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	2,980	2,980	1,000	3,980	256
F FL11B 0-6"	4/27/2021	0"-6"	Excavated	-	-	<10.0	1,650	1,650	692	2,340	64.0
F FL11C @ 6"-9"		6"-9"	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	-
F FL12 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	2,390	2,390	942	3,330	160
F FL12B 0-6"	4/27/2021	0"-6"	Excavated	-	-	<10.0	7,050	7,050	2,070	9,120	608
F FL12C @ 1'	5/3/2021	1'	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	-
F FL13 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	99.6	99.6	56.7	156	176
F FL14 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	1,330	1,330	551	1,880	128
F FL14B 0-6"	4/27/2021	0"-6"	In-Situ	-	-	<10.0	78.5	78.5	31.1	110	624
F FL15 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	4,620	4,620	1,610	6,230	320
F FL15B 0-6"	4/27/2021	0"-6"	In-Situ	-	-	<10.0	651	651	218	869	176
F FL16 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	3,650	3,650	1,230	4,880	208
F FL16B 0-6"	4/27/2021	0"-6"	Excavated	-	-	<10.0	2,580	2,580	939	3,520	64.0
F FL16C @ 1'	5/3/2021	1'	In-Situ	-	-	<10.0	<10.0	<10.0	<10.0	<10.0	-
F FL17 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	367	367	178	545	512
F FL18 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	1,500	1,500	972	2,470	688
F FL18B 0-6"	4/27/2021	0"-6"	In-Situ	-	-	<10.0	531	531	230	761	560
F FL19 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	2,300	2,300	739	3,040	320

NOTES:

- = Sample not analyzed for that constituent. Bold text denotes a concentration that exceeds the NMOCD Closure Criteria Released to Imaging: 8/25/2021 8:41:40 AM

Table 1 Concentrations of BTEX, TPH & Chloride in Soil COG Operating, LLC Sebastian Fed Com #001H NMOCD Ref. #: nRM1929031912											
NMO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	10,000
NMOCD Reclamation Standard 10 50 - - - 100											
SW 846 8021B SW 846 8015M Ext. 4500 Cl											4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	Benzene BTEX GRO DRO DRO DRO DRO C22-C26						
F FL19B 0-6"	4/27/2021	0"-6"	In-Situ	-	-	<10.0	351	351	127	478	64.0
F FL20 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	79.3	79.3	36.8	116	2,280
F FL21 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,680
F FL22 @ 6"	3/24/2021	6"	Excavated	< 0.050	< 0.300	<10.0	2,900	2,900	954	3,850	1,440
F FL22B 0-6"	4/27/2021	0"-6"	In-Situ	-	-	<10.0	684	684	1,170	1,850	560
F FL23 @ 6"	3/24/2021	6"	In-Situ	< 0.050	< 0.300	<10.0	63.0	63.0	33.7	96.7	752

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Appendix A Depth to Groundwater Information







Released to Imaging: 8/25/2021 8:41:40 AM



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)							2=NE 3 st to lar	3=SW 4=S gest) (№	E) NAD83 UTM in me	eters)	(n feet)	
DOD Number	POD Sub-			Q		C	T	Ding	Y	V	Distance	-	-	Water
POD Number	Code basin Co							•	X		Distance		water	Column
<u>C 03932 POD8</u>	CUB L	LE	4	2	4	07	245	34E	641120	3566769 🌍	1326	72		
C 03666 POD1	CL	LE	2	3	4	13	24S	33E	639132	3565078 🌍	1409	650	390	260
C 03917 POD1	CL	LE	4	1	3	13	24S	33E	638374	3565212 🌍	1848	600	420	180
										Avera	ge Depth to	Water:	405	feet
											Minimum	Depth:	390	feet
											Maximum	Depth:	420	feet
Record Count: 3														

UTMNAD83 Radius Search (in meters):

Easting (X): 639893.7

Northing (Y): 3566264.67

Radius: 2011.7

New Mexico Office of the State Engineer Point of Diversion Summary

									SW 4=S	,	דוו כי	Min motora)	
	_		,	•				t to larg	, ,	(INADO		M in meters)	
Well Tag	PC	OD Number	Q	64	Q16	Q4	Sec	Tws	Rng		Х	Y	
	С	03932 POD8		4	2	4	07	24S	34E	641 <i>°</i>	120	3566769 🌍	
Driller Licen	se:	1222	Drille	· Co	omp	any	: PE	TER	SON D	RILLIN	G &	TESTING INC.	
Driller Name	:	LEE PETERSON											
Drill Start Da	ate:	02/08/2016	Drill F	ini	sh C	Date	:	02/0)9/2016	6 F	Plug	Date:	
Log File Dat	e:	03/01/2016	PCW	Rcv	v Da	te:				5	Sour	ce:	
Pump Type:			Pipe I	Dise	char	ge \$	Size:			E	Estin	nated Yield:	
Casing Size:	:		Depth	W	ell:			72 f	eet	[Dept	h Water:	

New Mexico Office of the State Engineer Point of Diversion Summary

		· ·						,		
_							• /	•		,
PC	OD Number	Q64	Q16	Q4	Sec	Tws	Rng)		Y
С	03666 POD1	2	3	4	13	24S	33E	639132	356507	8 🍚
se:	1058	Driller C	ompa	iny	: KE	Y'S	DRILLIN	G & PUN	IP SERVIC	E
	CASEY KEYS									
te:	10/18/2013	Drill Fin	ish Da	ate:	:	10/	26/2013	Plu	g Date:	
):	11/14/2013	PCW Ro	v Dat	e:				Soι	irce:	Shallow
		Pipe Dis	scharg	ge S	Size:			Est	imated Yie	eld: 38 GPM
	8.00	Depth W	Vell:			650) feet	Dep	oth Water:	390 feet
ate	r Bearing Stratific	cations:	Тс	р	Bott	om	Descrip	otion		
			46	60	4	165	Sandsto	one/Grave	el/Conglom	erate
			49	90	Ę	535	Sandsto	one/Grave	el/Conglom	erate
	Casing Perfo	orations:	Тс	р	Bott	om				
				~ ~						
	C se: te:	se: 1058 CASEY KEYS te: 10/18/2013 e: 11/14/2013 8.00	(qua POD Number Q64 C 03666 POD1 2 Ge: 1058 Driller C CASEY KEYS te: 10/18/2013 Drill Fin e: 11/14/2013 PCW RC Pipe Dis	(quarters and constraints) POD Number Q64 Q16 Q C 03666 POD1 2 3 See: 1058 Driller Company CASEY KEYS Drill Finish Date te: 10/18/2013 Drill Finish Date e: 11/14/2013 PCW Rcv Date Pipe Discharge 8.00 Depth Well: Zater Bearing Stratifications: Topological Actions: Topological Actions: Casing Perforations: Topological Actions: Topological Actions:	POD Number Q64 Q16 Q4 C 03666 POD1 2 3 4 ce: 1058 Driller Company CASEY KEYS Drill Finish Date: te: 10/18/2013 Drill Finish Date: e: 11/14/2013 PCW Rcv Date: Pipe Discharge S 8.00 Depth Well: Zater Bearing Stratifications: Top 460 490	POD Number Q64 Q16 Q4 Sec C 03666 POD1 2 3 4 13 Se: 1058 Driller Company: KE CASEY KEYS Drill Finish Date: KE Se: 10/18/2013 Drill Finish Date: Pipe Discharge Size: 8.00 Depth Well: 460 440 Zater Bearing Stratifications: Top Botted 460 490 Casing Perforations: Top Botted Top Botted	(quarters are smallest to lar POD Number Q64 Q16 Q4 Sec Tws C 03666 POD1 2 3 4 13 24S Ge: 1058 Driller Company: KEY'S CASEY KEYS Drill Finish Date: 10/ te: 10/18/2013 Drill Finish Date: 10/ te: 10/18/2013 PCW Rcv Date: 10/ pipe Discharge Size: 8.00 Depth Well: 650 //ater Bearing Stratifications: Top Bottom 460 465 490 535 Casing Perforations: Top Bottom	POD NumberQ64 Q16 Q4Sec Tws RngC03666 POD12341324S33ESe:1058Driller Company:KEY'S DRILLINCASEY KEYSDrill Finish Date:10/26/2013Se:10/18/2013Drill Finish Date:10/26/2013Se:11/14/2013PCW Rcv Date:Pipe Discharge Size:8.00Depth Well:650 feetVater Bearing Stratifications:TopBottomDescript460465Sandstor490535SandstorCasing Perforations:TopBottom	POD NumberQ64 Q16 Q4 Sec Tws RngXC03666 POD12341324S33E639132Se:1058Driller Company:KEY'S DRILLING & PUNCASEY KEYSCASEY KEYSte:10/18/2013Drill Finish Date:10/26/2013Plugse:11/14/2013PCW Rcv Date:SouSouPipe Discharge Size:Est8.00Depth Well:650 feetDept/ater Bearing Stratifications:TopBottomDescription460465Sandstone/Grave490535Sandstone/Grave490535Sandstone/GraveCasing Perforations:TopBottom	POD Number Q64 Q16 Q4 Sec Tws Rng X C 03666 POD1 2 3 4 13 24S 33E 639132 356507 See: 1058 Driller Company: KEY'S DRILLING & PUMP SERVIC CASEY KEYS Drill Finish Date: 10/26/2013 Plug Date: See: 10/18/2013 Drill Finish Date: 10/26/2013 Plug Date: See: 11/14/2013 PCW Rcv Date: Source: Pipe Discharge Size: Estimated Yie 8.00 Depth Well: 650 feet Depth Water: 460 465 Sandstone/Gravel/Conglom //ater Bearing Stratifications: Top Bottom Description 490 535 Sandstone/Gravel/Conglom 490 535 Sandstone/Gravel/Conglom 490 535 Sandstone/Gravel/Conglom

New Mexico Office of the State Engineer Point of Diversion Summary

			(quart	ers are 1	=NW 2:	=NE 3=	=SW 4=S	E)				
			(qua	rters are	smalles	t to lar	gest)	(NAI	D83 UT	M in meters	5)	
Well Tag	PC	OD Number	Q64	Q16 Q4	Sec	Tws	Rng		Х	١	Y	
NA	С	03917 POD1	4	1 3	13	24S	33E	638	8374	3565212	2 🌍	
Driller Licen	se:	1058	Driller Co	ompan	y: KE	EY'S I	DRILLI	NG &	PUMF	SERVIC	E	
Driller Name	:	CASE KEY										
Drill Start Da	te:	03/01/2016	Drill Fini	sh Date	: :	03/0	04/2016	6	Plug	Date:		
Log File Date	e:	03/11/2016	PCW Rcv	v Date:					Sour	ce:	Shallow	
Pump Type:			Pipe Dis	Pipe Discharge Size:					Estimated Yield: 30 GPM			
Casing Size:		6.00	Depth W	Depth Well:			600 feet			Depth Water:		
v	/ate	r Bearing Stratif	ications:	Тор	Bott	om	Descri	ption				
				520		600	Sandst	one/G	Gravel	'Conglom	erate	
		Casing Perf	orations:	Тор	Bott	om						
				300		600						

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Search Results -- 1 sites found

Agency code = usgs site no list =

• 321403103300301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321403103300301 24S.34E.07.22222

Lea County, New Mexico Latitude 32°14'03", Longitude 103°30'03" NAD27 Land-surface elevation 3,606 feet above NAVD88 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Ogallala Formation (1210GLL) 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
1970-12-08		D	72019	72.19			3	Z			А
1976-01-16		D	72019	85.84			1	Z			А
1981-03-19		D	72019	82.95			1	Z			А
1986-03-06		D	72019	79.31			1	Z			А
1991-05-30		D	72019	74.56			1	Z			А
1996-03-13		D	72019	64.12			1	S			А
2001-02-28		D	72019	63.38			1	S			А
2006-02-07	15:40 UTC	m	72019	63.00			1	S	USGS	S	A

Explanation							
Section	Code	Description					
Water-level date-time accuracy	D	Date is accurate to the Day					
Water-level date-time accuracy	m	Date is accurate to the Minute					
Parameter code	62610	Groundwater level above NGVD 1929, feet					
Parameter code	62611	Groundwater level above NAVD 1988, feet					
Parameter code	72019	Depth to water level, feet below land surface					
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988					
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929					
Status	1	Static					
Status	3	Above					
Method of measurement	S	Steel-tape measurement.					
Method of measurement	Z	Other.					
Measuring agency		Not determined					
Measuring agency	USGS	U.S. Geological Survey					
Source of measurement		Not determined					
Source of measurement	S	Measured by personnel of reporting agency.					
Water-level approval status	А	Approved for publication Processing and review completed.					

Questions about sites/data? Feedback on this web site

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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 13:46:57 EDT 0.29 0.24 nadww02 USA.gov



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Search Results -- 1 sites found

Agency code = usgs site_no list =

• 321404103290101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321404103290101 24S.34E.04.33333

Lea County, New Mexico Latitude 32°14'04", Longitude 103°29'01" NAD27 Land-surface elevation 3,571 feet above NAVD88 This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Ogallala Formation (1210GLL) 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
1955-04-2	1	D	72019	66.59			1	Z			А

Received by OCD: 5/24/2021 2:01:31 PM

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 13:50:19 EDT 0.29 0.25 nadww02 USA.gov

Appendix B Field Data & Soil Profile Logs



Sample Log

2

Date:

Project: Sebatian Fed Com#001H Project Number: 11378 Li

Latitude:

Longitude:

Sample ID	PID/Odor	Chloride Conc.	GPS
F1.48@ 6"	NONE	368	
F! 2B@6"	C.G.M.C.	196	
FEWIB	yese.	224	
DSWIZ	none	328	
DFL6BQI	none	120	
CNWB	none	120	
CFLBQ3'	none	168	
DELSIAI	none	144	
BSWB	none	326	
3F233@1	none	7120	
BELLOQU	none	196	
DFL4B@0-6"	none	7120	
BWWB	none	7120	
DEW28	none	168	
DWWIB	none	120	
PMMB	none	7120	
DWW2B	none	1520.	
FSW2B	light	728	
FFL16B0-6"	light	120	
FFL19130-6"	none	7120	
FFL 22130-6"	none	728	
FFL1500-6"	none	236	
FFL1830-6"	light	692	Y
FFL14150-5"	none	792	
FFL 12B0-6"	light	792	
FFL7B0-5"	none	340 .	
FF4139-5"	none.	212	
5/3/21			
FFLI2roi	nome	212	
DEW20	none	184 156 500	
DEW2C FFL16001	none	156	
E11606-9"	Mar E	500	
170 B6'-9"	ion?	500	
EWWB EEWB	none	156	
EEWB	none	132	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Received by OCD: 5/24

Sidewall = SW #1 etc

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

Stockpile = Stockpile #1 **GPS Sample Points, Center of Comp Areas**



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Company: COG Operating, LLC Site: Sebastian Fed Com #001H NMOCD Reference #: nRM1929031912 Location: Lea Co., NM PLSS: UL "D" (NW/NW), Sec. 18, T24S, R34E		itian Fed (ference # .ea Co., N	Com #001H Coordinates (NAD 83): 32.22450,-103.51485 #: nRM1929031912 Drilling Date: 7/30/2020 M Depth of Boring (ft): 55	Driller: Drilling Logged Drafted	Iling Company: Scarborough Drilling, Inc. Iler: L. Scarborough Iling Method: Air Rotary gged By: L. Scarborough ifted By: B. Arguijo ift Date: 5/11/2021					
Comp	letion	1: N/A	Casing: N/A	Screen	: N/A					
Comm	ents:	N/A								
Depth (ft)	Groundwater	Lithology	Material Description		Chloride Field Test	Lab	DIA	Well Construction		
			Caliche Pad Topsoil		_	_				
5					-	-				
					-	-	-			
10		$\langle \rangle \rangle \rangle$	Caliche							
					-	-	-			
15					-	-	-			
20		0000								
		• • • •	Loose Sand		-	-	-			
25										
		. · . . · .			-	-	-			
30		· . · · ·								
					-	-	-			
35										
40					-	-	-			
40		· . · · . ·				_				
45					-	-				
		· · · · ·			-	-	-			
50		· · · · · · · · · ·								
					-	-	-			
55			Notes: Lines between material types represent approximate boundaries. Actual trans may be gradual.	sitions	-	-	-			

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Appendix C Laboratory Analytical Reports



November 20, 2019

DANIEL DOMINGUEZ Etech Environmental & Safety Solutions P.O. Box 301 Lovington, NM 88260

RE: SEBASTION FED COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 11/15/19 15:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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 DANIEL DOMINGUEZ P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: P1 @ SURFACE (H903894-01)

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	11/18/2019	ND	1.93	96.5	2.00	9.93	
Toluene*	<0.050	0.050	11/18/2019	ND	2.02	101	2.00	15.6	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	2.09	105	2.00	21.8	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	6.11	102	6.00	21.0	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/19/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2019	ND	225	112	200	1.24	
DRO >C10-C28*	5310	10.0	11/19/2019	ND	221	111	200	1.31	
EXT DRO >C28-C36	1160	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	113 9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	302	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: P3 @ SURFACE (H903894-02)

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	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	11/19/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2019	ND	225	112	200	1.24	
DRO >C10-C28*	4610	10.0	11/19/2019	ND	221	111	200	1.31	
EXT DRO >C28-C36	1260	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	99.9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	289 9	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: P3 @ 1' (H903894-03)

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	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	73.3-12	9						
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	11/19/2019	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	11/19/2019	ND	225	112	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/19/2019	ND	221	111	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	119 9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	129	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: P4 @ SURFACE (H903894-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	0.479	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	2.50	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	3.03	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	149 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	1170	16.0	11/19/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	241	50.0	11/19/2019	ND	225	112	200	1.24	
DRO >C10-C28*	21200	50.0	11/19/2019	ND	221	111	200	1.31	
EXT DRO >C28-C36	4840	50.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	166 9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	980 9	% 37.6-14	7						

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: P4 @ 1' (H903894-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	139	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/19/2019	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	11/19/2019	ND	225	112	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/19/2019	ND	221	111	200	1.31	
EXT DRO >C28-C36	<10.0	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	117 9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	128	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: RS1 @ SURFACE (H903894-06)

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	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	11/19/2019	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	11/19/2019	ND	222	111	200	2.38	
DRO >C10-C28*	1150	10.0	11/19/2019	ND	211	106	200	7.20	QR-03, QM-07
EXT DRO >C28-C36	251	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	93.7	% 41-142	2						
Surrogate: 1-Chlorooctadecane	133 9	37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: RS1 @ 1' (H903894-07)

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	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/19/2019	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	11/19/2019	ND	222	111	200	2.38	
DRO >C10-C28*	<10.0	10.0	11/19/2019	ND	211	106	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	95.0	% 41-142	2						
Surrogate: 1-Chlorooctadecane	91.3	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: EFS1 @ SURFACE (H903894-08)

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	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
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	11/19/2019	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	11/19/2019	ND	222	111	200	2.38	
DRO >C10-C28*	<10.0	10.0	11/19/2019	ND	211	106	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	89.0	% 41-142	,						
Surrogate: 1-Chlorooctadecane	84.5	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: EFS2 @ SURFACE (H903894-09)

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	11/18/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/18/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/18/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/18/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/18/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	11/19/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/19/2019	ND	222	111	200	2.38	
DRO >C10-C28*	4130	10.0	11/19/2019	ND	211	106	200	7.20	
EXT DRO >C28-C36	902	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	101 9	% 41-142							
Surrogate: 1-Chlorooctadecane	211 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: EFS2 @ 1' (H903894-10)

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	11/19/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/19/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/19/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/19/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 73.3-12	9						
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	11/19/2019	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	11/19/2019	ND	222	111	200	2.38	
DRO >C10-C28*	<10.0	10.0	11/19/2019	ND	211	106	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	96.4	% 41-142							
Surrogate: 1-Chlorooctadecane	98.6	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: EFS3 @ SURFACE (H903894-11)

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	11/19/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/19/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/19/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/19/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/19/2019	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	11/19/2019	ND	222	111	200	2.38	
DRO >C10-C28*	218	10.0	11/19/2019	ND	211	106	200	7.20	
EXT DRO >C28-C36	43.8	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	89.2	% 41-142	,						
Surrogate: 1-Chlorooctadecane	101 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received:	11/15/2019	Sampling Date:	11/15/2019
Reported:	11/20/2019	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FS9 @ SURFACE (H903894-12)

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	11/19/2019	ND	1.80	90.2	2.00	0.0904	
Toluene*	<0.050	0.050	11/19/2019	ND	1.81	90.3	2.00	0.912	
Ethylbenzene*	<0.050	0.050	11/19/2019	ND	1.82	90.9	2.00	0.137	
Total Xylenes*	<0.150	0.150	11/19/2019	ND	5.47	91.2	6.00	0.272	
Total BTEX	<0.300	0.300	11/19/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.3-12	9						
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	11/19/2019	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	11/19/2019	ND	222	111	200	2.38	
DRO >C10-C28*	<10.0	10.0	11/19/2019	ND	211	106	200	7.20	
EXT DRO >C28-C36	<10.0	10.0	11/19/2019	ND					
Surrogate: 1-Chlorooctane	89.4	% 41-142	2						
Surrogate: 1-Chlorooctadecane	90.3	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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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

Page 50 of 180 A ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 15 of 16

101	East	Marland,	Hobbs.	NM	88240
			,		

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

Company Name:	Etech Environmental	& Safety Solution	ns, In	c.					BILL	. 70					1	ANAL	YSIS.	REC	QUES	T		
Project Manager	: Daniel Dominguez						P	.0. #:														
ddress: P.O.	. Box 301						c	ompany:		Con	cho											
ity: Lovington	n	State: NM	Zip:	88	260		A	Attn: Address:														
hone #: (575	5) 396-2378	Fax #: (575) 39	96-14	29			A															
Project #: 113	78	Project Owner	:	Co	ncho		c	City:				1										
Project Name:	Sebastian Fed Com #001	IH					s	tate:	Zi	p:			2W)	218								
roject Location	Rural Lea County						P	hone #:				Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name:	Joel Lowry						F	ax #:				- Ř	H	X								
FOR LAB USE ONLY					M	ATRI	ĸ	PRESE	RV.	SAMPLI	NG	1	₽	BT								
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SUL	SLUDGE	ACID/BASE: ICE / COOL	OTHER :	DATE	TIME											
1	P1 @ Surface		9	1		x		x	1	1/15/19	10:00	x	x	x								
	P3 @ Surface		g	1		x		x	1	1/15/19	10:15	x	x	x			-					
3	P3 @ 1'		9	1		x	41474 A	x	1	1/15/19	10:20	x	x	x								
45	P4 @ Surface		9	1		x		x	1	1/15/19	10:30	x	x	x	1						_	
5	P4 @ 1'		9	1		x	1	x	1	1/15/19	10:35	x	x	X						-		
6	RS1 @ Surface		9	1		x	_	x	1	1/15/19	11:00	x	x	x								
and a second	RS1 @ 1'		9	1		x	•	x	1	1/15/19	11:05	x	x	x					-			
S	EFS1 @ Surface		9	1		x	A	x	1	1/15/19	11:20	x	x	x		-			_			
9	EFS2 @ Surface		9	1		x		x	1	1/15/19	11:25	x	x	X	_				-	-	-	_
	EFS2 @ 1' Demages. Cardinal's liability and client's	auch size remarks for any of	g	1		X	v tort shal	X		1/15/19	11:30	х	X	X								
nalyses All claims including ervice in no event shall Car	those for negligence and any other cause rdinal be liable for incidental or consequen g out of or related to the performance of a	e whatscever shall be deem tal damages, including with	ned waive out limital ITUI, rega	tion, bu	usinees interrup	ing and e tions, los	eceived by as of use, o	Cardinal within or loss of profits	30 days al incurred by	Ner completion y client, its sub	of the applicable sidiaries,		O Ye	s D	No	Add'l	Phone	#:				
Relinquished By	the	Time: /5:38 Date: Time:	5	4	ved By:	i,	M	en	500	N	Fax Resul	lt: S:	C Ye	s 🗆	No	Add'l	Fax #:					
	: (Circle One)	12.80 =	# 9	7	Cool	Int	Yes			BY:	Please e	mail re	esults	to dan	ield@	etech	env.co	m, joe	el@eta	echenv	.com.	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 16 of 16

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

ompany Name:	Etech Environmental	& Safety Solution	ns, In	c.							BI	LL TO						ANA	LYSIS	RE	QUE	ST		
roject Manager	: Daniel Dominguez								P.0	. #:			-											
ddress: P.O	. Box 301								Cor	npar	ny:	Cor	ncho											
ity: Lovingto	n	State: NM	Zip:	88	8260 Attn:																			
hone #: (575	5) 396-2378	Fax #: (575) 3	96-14	29					Address:															
roject #: 113	78	Project Owner	:	Co	ncho				City	:						-								
roject Name:	Sebastian Fed Com #001	IH							Stat	e:		Zip:			TPH (8015M)	218		1						
roject Location	: Rural Lea County								Pho	ne #	ŧ:			Chloride	801	BTEX (8021B)								
ampler Name:	Joel Lowry								Fax	#:				CP	H	EX		I	1					
FOR LAB USE ONLY						MA	TRD	(PRE	SERV	SAMPLI	NG		1	BT								
Lab I.D. 1903894	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL OTHER :	DATE	TIME											
11	EFS3 @ Surface		g	1	1	x					x	11/15/19	11:45	x	x	x								
12	FS9 @ Surface		g	1		x		*			x	11/15/19	11:55	x	x	x								
<u> </u>																-					-			_
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	d Demeges. Cardinal's liability and client's													-	-	-		1		-	-	-	1 1	-
rvice. In no event shall Ca	y those for negligence and any other cause rdinal be flable for incidental or consequen	tal damages, including with	out fimital	tion, bu	minees in	erruptio	ns, loe	s of us	e, or ibi	e of pr	ofits incur	red by client, its su	beidiaries,											
elinquished By	ig out of or related to the performance of a	Date:/			red B	y:							Phone Re				No		Phone	#:			· · · . · · · · · · · · ·	
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Relinguished By	ne	Tiple: 738 Date:	R	Ceiv	ved B		1	n	N	N														
terinquished by		k	0																					
		Time:											Please e	mail r	esults	to da	nield@	etech	env.c	om, jo	el@el	techen	v.com.	
Delivered By	: (Circle One) +.4	1	#9	7		ool				0		KED BY:												
Sampler - UPS	- Bus - Other: 2,42	12.82	. 1	1	[<u>G</u> Ye	s 🚹	Yes	s '		15	TA .												



December 06, 2019

SHELDON HITCHCOCK COG OPERATING P. O. BOX 1630 ARTESIA, NM 88210

RE: SEBASTIAN FED COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 12/04/19 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: V1 @ 1' (H904060-01)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	<10.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	102	% 41-142							
Surrogate: 1-Chlorooctadecane	105	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: V1 @ 2' (H904060-02)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	<10.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	105 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: V2 @ 1' (H904060-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	0.148	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	0.951	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	1.10	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	131 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	146	50.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	12800	50.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	2560	50.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	148 9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	532 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: V2 @ 2' (H904060-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	193 9	% 73.3-12	9						
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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	158	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	32.9	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	111 9	% 41-142							
Surrogate: 1-Chlorooctadecane	124 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: V2 @ 3' (H904060-05)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 73.3-12	9						
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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	720	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	127	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	109 9	% 41-142							
Surrogate: 1-Chlorooctadecane	135 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: V3 @ 1' (H904060-06)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 9	% 73.3-12	9						
Chloride, SM4500CI-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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	95.1	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	20.3	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	93.0	% 41-142							
Surrogate: 1-Chlorooctadecane	103 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: V3 @ 2' (H904060-07)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	36.7	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	101 9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	107 9	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: SH @ SURFACE (H904060-08)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	<10.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	109 9	% 41-142							
Surrogate: 1-Chlorooctadecane	114 9	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: NH @ SURFACE (H904060-09)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	41.5	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	107 9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	116 9	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: SH @ 4' (H904060-10)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	163 9	73.3-12	9						
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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	<10.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	110 9	% 41-142							
Surrogate: 1-Chlorooctadecane	113 9	37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: EH @ 4' (H904060-11)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
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	12/05/2019	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	<10.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142	2						
Surrogate: 1-Chlorooctadecane	106 9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: WH @ SURFACE (H904060-12)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/05/2019	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	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	39.1	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	11.9	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	97.1	% 41-142	2						
Surrogate: 1-Chlorooctadecane	104 9	% 37.6-14	7						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: EH @ SURFACE (H904060-13)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	12/05/2019	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	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	<10.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	104	% 41-142	,						
Surrogate: 1-Chlorooctadecane	108	% 37.6-14	7						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: WH @ 4' (H904060-14)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
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	12/05/2019	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	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	16.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	98.6	% 41-142							
Surrogate: 1-Chlorooctadecane	103	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING SHELDON HITCHCOCK P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received:	12/04/2019	Sampling Date:	12/04/2019
Reported:	12/06/2019	Sampling Type:	Soil
Project Name:	SEBASTIAN FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Jodi Henson
Project Location:	RURAL LEA		

Sample ID: NH @ 4' (H904060-15)

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	12/05/2019	ND	1.94	97.1	2.00	2.46	
Toluene*	<0.050	0.050	12/05/2019	ND	1.87	93.5	2.00	3.50	
Ethylbenzene*	<0.050	0.050	12/05/2019	ND	1.90	95.2	2.00	3.13	
Total Xylenes*	<0.150	0.150	12/05/2019	ND	5.76	95.9	6.00	2.75	
Total BTEX	<0.300	0.300	12/05/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
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	12/05/2019	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	12/05/2019	ND	200	99.8	200	0.430	
DRO >C10-C28*	<10.0	10.0	12/05/2019	ND	197	98.4	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	12/05/2019	ND					
Surrogate: 1-Chlorooctane	111 9	% 41-142							
Surrogate: 1-Chlorooctadecane	116 9	% 37.6-14	7						

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

enalysee. All claims including those for negligence and any other cause whateoever shall be deemed weived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental demages, including vithout filmbating causes interruptions, loss of profile increase by client, its subsidiaries.	
City: Lovington State: NM Zip: 88260 Attn:: Co Sheddon Hitchock Phone #: 575-396-2378 Fax #: 575-396-1429 Address:	
Phone #: 575-396-2378 Fax #: 575-396-1429 Address: Project Mame: Sebastian Fed Com #001H State: NM Zip: Project Name: Sebastian Fed Com #001H State: NM Zip: Project Name: Fex #: Fex #: Fex #: Image: Name: Fex #: Fex #: Fex #: Fex #: Image: Name: Fex #: Fex #: Fex #: Fex #: Fex #: Image: Name: Fex #: Fex #:	
Project #: 11378 Project Owner: COG Operating, LLC City: Project Name: Sebastian Fed Com #001H State: NM Zip: Project Location: Rural Lea Phone #: Sampler Name: Fax #: FOLUEUSCORT Will Will Will Will Will Will Will Will	NM Zip:
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PLEASE, WOTE:: Liability and Damages. Cardinal's liability and client's exclusive remedy for any clarm arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for medigence and any other cause whatboover shall be deemed weived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including viticus! Initiation; basiness interception, loss of use, or loss of profile Incurred by client; its subsidiaries.	C I
service. In no event shall Cardinal be liable for incidential or consequential damages, including without limiteding basinese interruptions, lose of use, or lose of profile incurred by client, its substituties.	
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diffuence or successors arrange 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 othermise Relinquished By: Date: 2/4/, Received By: Fax Result: Yes No Add'I Phone #: Fax Result: Yes No Add'I Fax #:	Rec
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Sample Condition

Yes Yes

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

5.52

FORM-006 R 2.0

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: 5.12



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476 Company Name: COG Operating, LLC			BI	BILL TO ANALYSIS			LYSIS RE	REQUEST		
Project Manage			P.O. #:							
Address: 310	A REAL PROPERTY AND	Company: COG								
	ity: Lovington State: NM Zip: 88260			Attn: CO Sheldon Hitchock						
			Address:							
Project #: 113	78 Project Owner:	COG Operating, LLC	City:	1						
	Sebastian Fed Com #001H	Contraction and Contract of	State: NM	Zip:						
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FOR LAB USE ONLY		MATRIX	PRESERV	SAMPLING						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL OIL	OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME	Chloride	TPH BTEX 8021				
1	EHQ U'	GIX	X	12/4/19 12:00		XX				
12	WHQ Systace	GT 1 X	8	12/4/14 1:00	X	XX				
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14	WHID 4'	BIN	X	12/4/19 12:15	X	LX				ana 1999 1 10 1 10 10 10 10 10 10 10 10 10 10 10
15	NHQ 4'	G1X	X	12/4/14 12:30	X	XX				
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	ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequential damages, includin									
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Sampler - UPS	- Bus - Other: 5.12/5.52		s / X							
	1000		lo VV							

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

FORM-006 R 2.0



March 29, 2021

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

RE: SEBASTION FED COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 03/25/21 15:40.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: WH1 (H210759-01)

Chloride, SM4500Cl-B mg/kg		Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/26/2021	ND	416	104	400	3.77	

Sample ID: SWH B (H210759-02)

Chloride, SM4500Cl-B mg/kg		Analyze	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/26/2021	ND	416	104	400	3.77	

Sample ID: A NW (H210759-03)

BTEX 8021B	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2021	ND	2.06	103	2.00	6.37	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.94	97.1	2.00	6.56	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.74	95.6	6.00	6.17	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	CI-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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: A NW (H210759-03)

TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	16.1	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	86.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.7	% 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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: A SW (H210759-04)

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	03/26/2021	ND	2.06	103	2.00	6.37	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.94	97.1	2.00	6.56	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.74	95.6	6.00	6.17	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	<10.0	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	82.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.7	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: A FL 1 @ 1' (H210759-05)

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	03/26/2021	ND	2.06	103	2.00	6.37	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.94	97.1	2.00	6.56	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.74	95.6	6.00	6.17	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	12.8	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	74.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.0	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: B WW (H210759-06)

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	03/26/2021	ND	2.06	103	2.00	6.37	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.94	97.1	2.00	6.56	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.74	95.6	6.00	6.17	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 \$	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	2590	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	721	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	150 \$	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: B SW (H210759-07)

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	03/26/2021	ND	2.06	103	2.00	6.37	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	6.35	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.94	97.1	2.00	6.56	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.74	95.6	6.00	6.17	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	648	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	227	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	83.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.4	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: B NW (H210759-08)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	31.2	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	13.5	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	82.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.1	% 42.2-15	6						

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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: B FL @ 2' (H210759-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	73.3-12	9						
Chloride, SM4500CI-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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	<10.0	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	84.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.4	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: B FL 2 @ 2' (H210759-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	676	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	169	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	82.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: B FL 3 @ 2' (H210759-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	219	109	200	4.08	
DRO >C10-C28*	141	10.0	03/26/2021	ND	226	113	200	3.93	
EXT DRO >C28-C36	71.2	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	74.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.5	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: C NW (H210759-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	2710	10.0	03/26/2021	ND	216	108	200	2.22	QM-07
EXT DRO >C28-C36	642	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	85.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	212 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: C SW (H210759-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	28.2	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	89.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: C FL @ 2.5' (H210759-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	913	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	152	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	127	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D NW (H210759-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/26/2021	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	182	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	58.6	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	80.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.7	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D SW (H210759-16)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	485	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	216	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	124 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D EW1 (H210759-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	73.8	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	21.2	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	80.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D EW2 (H210759-18)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	758	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	225	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	83.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	148 9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D WW1 (H210759-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	222	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	66.5	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	82.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D WW2 (H210759-20)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 73.3-12	9						
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	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	3170	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	690	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	219	% 42.2-15	6						

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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D FL 1 @ 6" (H210759-21)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	66.4	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	21.2	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.9	% 42.2-15	6						

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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D FL 2 @ 6" (H210759-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	49.8	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	13.8	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	83.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.2	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D FL 3 @ 6" (H210759-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	<10.0	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	83.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D FL 4 @ 6" (H210759-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	1410	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	407	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	87.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	153	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D FL 5 @ 6" (H210759-25)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	133	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	31.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	81.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.4	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D FL 6 @ 6" (H210759-26)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	324	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	107	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	70.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: D FL 7 @ 6" (H210759-27)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.05	103	2.00	0.595	
Toluene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	0.273	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	2.11	106	2.00	0.746	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	6.53	109	6.00	1.19	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	13.5	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.6	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E NW (H210759-28)

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	03/26/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/26/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	46.0	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	14.4	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	74.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.2	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E WW (H210759-29)

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	03/26/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/26/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	479	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	220	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	81.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	125	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E EW (H210759-30)

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	03/26/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/26/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	121	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	63.3	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	80.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.8	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E FL 1 @ 6" (H210759-31)

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	03/26/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/26/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	221	110	200	2.25	
DRO >C10-C28*	52.1	10.0	03/26/2021	ND	216	108	200	2.22	
EXT DRO >C28-C36	10.2	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	74.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.8	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E FL 2 @ 6" (H210759-32)

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	03/26/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/26/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	205	10.0	03/26/2021	ND	222	111	200	3.62	QR-03
EXT DRO >C28-C36	88.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	75.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.7	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E FL 3 @ 6" (H210759-33)

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	03/26/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/26/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	16.9	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	75.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.3	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E FL 4 @ 6" (H210759-34)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	97.6	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	37.4	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	88.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E FL 5 @ 6" (H210759-35)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	31.1	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	13.5	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	75.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	73.2	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E FL 6 @ 6" (H210759-36)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	31.2	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	14.5	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	86.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.7	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: E FL 7 @ 6" (H210759-37)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	26.8	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	14.8	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.1	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F WW1 (H210759-38)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	716	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	347	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	74.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F WW2 (H210759-39)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	226	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	101	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	78.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.6	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F WW3 (H210759-40)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	536	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	253	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	71.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.0	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F SW1 (H210759-41)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	93.3	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	79.7	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	81.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.5	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F SW2 (H210759-42)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7520	16.0	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	4770	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	1130	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	83.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	255 9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F EW1 (H210759-43)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	75.2	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	40.3	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.0	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 1 @ 6" (H210759-44)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	49.5	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	22.5	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	70.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	70.4	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 2 @ 6" (H210759-45)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	50.0	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	21.1	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	67.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	66.4	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 3 @ 6" (H210759-46)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	37.5	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	12.5	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	72.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	71.0	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 4 @ 6" (H210759-47)

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	03/27/2021	ND	2.13	106	2.00	0.538	
Toluene*	<0.050	0.050	03/27/2021	ND	2.07	103	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	1.99	99.6	2.00	0.816	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.87	97.8	6.00	0.990	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	10.2	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	67.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	63.4	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 5 @ 6" (H210759-48)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	131	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	67.2	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	70.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.0	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 6 @ 6" (H210759-49)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	193	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	69.4	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	58.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	61.6	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 7 @ 6" (H210759-50)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	1260	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	455	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	75.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	111 9	42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 8 @ 6" (H210759-51)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	231	116	200	3.39	
DRO >C10-C28*	350	10.0	03/26/2021	ND	222	111	200	3.62	
EXT DRO >C28-C36	151	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	78.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 9 @ 6" (H210759-52)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	230	115	200	2.23	QM-07, QR-03
DRO >C10-C28*	218	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	96.1	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	74.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.2	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 10 @ 6" (H210759-53)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	230	115	200	2.23	
DRO >C10-C28*	475	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	174	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	71.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.1	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 11 @ 6" (H210759-54)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/29/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	230	115	200	2.23	
DRO >C10-C28*	2980	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	1000	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	184 9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 12 @ 6" (H210759-55)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	230	115	200	2.23	
DRO >C10-C28*	2390	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	942	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	80.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	155 9	42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 13 @ 6" (H210759-56)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	230	115	200	2.23	
DRO >C10-C28*	99.6	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	56.7	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	74.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.8	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 14 @ 6" (H210759-57)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
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	03/29/2021	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	03/26/2021	ND	230	115	200	2.23	
DRO >C10-C28*	1330	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	551	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	64.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.8	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 15 @ 6" (H210759-58)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/29/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	230	115	200	2.23	
DRO >C10-C28*	4620	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	1610	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	79.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	245	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 16 @ 6" (H210759-59)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
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	03/29/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2021	ND	230	115	200	2.23	
DRO >C10-C28*	3650	10.0	03/26/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	1230	10.0	03/26/2021	ND					
Surrogate: 1-Chlorooctane	72.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	192	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 17 @ 6" (H210759-60)

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	03/26/2021	ND	2.07	104	2.00	7.22	
Toluene*	<0.050	0.050	03/26/2021	ND	2.01	101	2.00	7.64	
Ethylbenzene*	<0.050	0.050	03/26/2021	ND	1.95	97.7	2.00	7.35	
Total Xylenes*	<0.150	0.150	03/26/2021	ND	5.77	96.2	6.00	6.96	
Total BTEX	<0.300	0.300	03/26/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/29/2021	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	03/27/2021	ND	230	115	200	2.23	
DRO >C10-C28*	367	10.0	03/27/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	178	10.0	03/27/2021	ND					
Surrogate: 1-Chlorooctane	79.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.5	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 18 @ 6" (H210759-61)

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	03/27/2021	ND	2.16	108	2.00	0.691	
Toluene*	<0.050	0.050	03/27/2021	ND	2.10	105	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	2.04	102	2.00	0.883	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.99	99.8	6.00	0.910	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	03/29/2021	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	03/27/2021	ND	230	115	200	2.23	
DRO >C10-C28*	1500	10.0	03/27/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	972	10.0	03/27/2021	ND					
Surrogate: 1-Chlorooctane	68.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107 9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 19 @ 6" (H210759-62)

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	03/27/2021	ND	2.16	108	2.00	0.691	
Toluene*	<0.050	0.050	03/27/2021	ND	2.10	105	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	2.04	102	2.00	0.883	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.99	99.8	6.00	0.910	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/29/2021	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	03/27/2021	ND	230	115	200	2.23	
DRO >C10-C28*	2300	10.0	03/27/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	739	10.0	03/27/2021	ND					
Surrogate: 1-Chlorooctane	70.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	138 9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 20 @ 6" (H210759-63)

BTEX 8021B	Analyte Result Reporting Limit ne* <0.050 0.050 e* <0.050 0.050 enzene* <0.050 0.050 sylenes* <0.050 0.050 sylenes* <0.150 0.150 STEX <0.300 0.300 ate: 4-Bromofluorobenzene (PID 102 % 73.3 he, SM4500CI-B mg/kg Malyte Result Reporting Limit de 2280 16.0 mg/kg Malyte Malyte<	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2021	ND	2.16	108	2.00	0.691	
Toluene*	<0.050	0.050	03/27/2021	ND	2.10	105	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	2.04	102	2.00	0.883	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.99	99.8	6.00	0.910	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	03/29/2021	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	03/27/2021	ND	230	115	200	2.23	
DRO >C10-C28*	79.3	10.0	03/27/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	36.8	10.0	03/27/2021	ND					
Surrogate: 1-Chlorooctane	62.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	64.7	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 21 @ 6" (H210759-64)

BTEX 8021B	Analyte Result Reporting Lin ene* <0.050 0.050 ene* <0.050 0.050 benzene* <0.050 0.050 Xylenes* <0.150 0.150 BTEX <0.300 0.300 orgate: 4-Bromofluorobenzene (PID 100 % 73.	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2021	ND	2.16	108	2.00	0.691	
Toluene*	<0.050	0.050	03/27/2021	ND	2.10	105	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	2.04	102	2.00	0.883	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.99	99.8	6.00	0.910	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	03/29/2021	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	03/27/2021	ND	230	115	200	2.23	
DRO >C10-C28*	<10.0	10.0	03/27/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	<10.0	10.0	03/27/2021	ND					
Surrogate: 1-Chlorooctane	72.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	70.5	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 22 @ 6" (H210759-65)

Analyte Result nzene* <0.050 uene* <0.050 ylbenzene* <0.050 al Xylenes* <0.050 al BTEX <0.050 rogate: 4-Bromofluorobenzene (PID 10 oride, SM4500Cl-B Analyte Result Analyte 1440	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	03/27/2021	ND	2.16	108	2.00	0.691	
Toluene*	<0.050	0.050	03/27/2021	ND	2.10	105	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	2.04	102	2.00	0.883	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.99	99.8	6.00	0.910	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	03/29/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/27/2021	ND	230	115	200	2.23	
DRO >C10-C28*	2900	10.0	03/27/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	954	10.0	03/27/2021	ND					
Surrogate: 1-Chlorooctane	75.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	167 9	% 42.2-15	6						

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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:	03/25/2021	Sampling Date:	03/24/2021
Reported:	03/29/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: F FL 23 @ 6" (H210759-66)

BTEX 8021B	Analyte Result Reporting Lim ane* <0.050 0.050 ne* <0.050 0.050 benzene* <0.050 0.050 Xylenes* <0.150 0.150 BTEX <0.300 0.300 gate: 4-Bromofluorobenzene (PID 101 % 73.3 de, SM4500Cl-B mg/kg 16.0	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/27/2021	ND	2.16	108	2.00	0.691	
Toluene*	<0.050	0.050	03/27/2021	ND	2.10	105	2.00	0.687	
Ethylbenzene*	<0.050	0.050	03/27/2021	ND	2.04	102	2.00	0.883	
Total Xylenes*	<0.150	0.150	03/27/2021	ND	5.99	99.8	6.00	0.910	
Total BTEX	<0.300	0.300	03/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	03/29/2021	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	03/27/2021	ND	230	115	200	2.23	
DRO >C10-C28*	63.0	10.0	03/27/2021	ND	241	121	200	3.87	
EXT DRO >C28-C36	33.7	10.0	03/27/2021	ND					
Surrogate: 1-Chlorooctane	73.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.0	% 42.2-15	6						

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(CTC) 000 0000 EAN (CTC) 000 0470

Company Name	: Etech Environmenta	al & Safety Solut	ions	, Inc	2.						BI	LL TO		5				AN	ALY	SIS	RE	QUE	ST		
Project Manage	r: Joel Lowry							F	2.0.1	k:							Τ								
Address: P.C). Box 301							C	omp	bany	<i>ı</i> :	C	OG	1			1						1		
City: Lovingto	on	State: NM	Zip	: 88	260		-		ttn:	,		heldon Hitc	hcock	1											
Phone #: (57	5) 396-2378	Fax #: (575) 3	96-1	429					ddre	es.															
Project #: 113	78	Project Owner		CC	G		-	-	ity:					1											
	Sebastian Fed Com 1H	-					-	-	itate			Zip:			Î.	18)									
Project Locatio									hon			<u> </u>		Chloride	TPH (8015M)	BTEX (8021B)									
-	Matthew Grieco & Trey	Sims		-					ax #					भ	() () () () () () () () () () () () () (X							1		
FOR LAB USE ONLY			-	-	-	M	TRD	-	-	ESE	RV.	SAMPLI	ING	1°	TP	BT I									
Lab I.D.	Sample I.	.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
1	WH1		G	1)	(Т	X		3/24/21		X											
2	SWH B		G	1)	(X		3/24/21		Х											
3	ANW		С	1)	(X		3/24/21		X	X	X									
4	ASW		С	1)	(X		3/24/21		X	X	X									
5	A FL1 @ 1'		С	1)	(X		3/24/21		X	X	X									
6	BWW		С	1)	(X		3/24/21		X	X	X									
7	B SW		С	1)	(X		3/24/21		X	X	X									
8	B NW		С	1)	(X		3/24/21		X	X	X									
9	B FL @ 2'		С	1)	(X		3/24/21		X	X	X					-				
10	B FL2 @ 2'		С	1)				X		3/24/21		X	X	X									
service. In no event shall G affiliates or successors arisi Relinquished B Relinquished B	the	questal damages, including of services hereunder by C Date: 3-25-21 Time: Date: Time:	ardina Re Re	t imit cei	ved ved	anness of wheth By: By: By: Cool	e Cor	ions, loor claim is t d ndition ct Yes		or loss	s of pro	ED BY: ials)	lient, its subsidie	ries, se isuit: It: S:		25	No	Ad	d'i Pho d'i Fax env.c	(#:				 	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BTEX (8021B)

X

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X

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O No

Add'l Phone #:

Add'l Fax #:

ANALYSIS REQUEST

Page 69 of 74

Page 2 of 7

BILL TO Etech Environmental & Safety Solutions, Inc. **Company Name: Project Manager:** Joel Lowry P.O. #: Address: P.O. Box 301 COG Company: Lovington State: NM Zip: 88260 City: Attn: Sheldon Hitchcock Phone #: (575) 396-2378 Fax #: (575) 396-1429 Address: COG Project #: 11378 Project Owner: City: TPH (8015M) Project Name: Sebastian Fed Com 1H State: Zip: Chloride Project Location: Rural Lea County Phone #: Sampler Name: Matthew Grieco & Trey Sims Fax #: MATRIX PRESERV SAMPLING FOR LAB USE ONLY G)RAB OR (C)OMP SROUNDWATER CONTAINERS VASTEWATER Sample I.D. Lab I.D. CID/BASE CE / COOL SLUDGE DTHER OTHER SOIL H210759 OIL DATE TIME B FL3 @ 2' X X С X х 3/24/21 12 С C NW Х X 3/24/21 X X 13 C SW С X X 3/24/21 X X X X C FL @ 2.5' С X X 3/24/21 С X X Х X D NW 3/24/21 С X D SW X 3/24/21 X X 16 С X х X D EW1 X 3/24/21 18 D EW2 С X X 3/24/21 X X 19 X DWW1 С х X Х 3/24/21 20 C X X 3/24/21 X X **DWW2** 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 the client for the nalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable ervice. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries taing 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 Relinquished By Phone Result: □ Yes Date: Received By Fax Result: □ Yes REMARKS: Time **Relinguished By:** Date: **Received By:** Time: Please email results to pm@etechenv.com. Delivered By: (Circle One) Sample Condition CHECKED BY: Cool Intact (Initials) -0.9° #113 Sampler - UPS - Bus - Other: Tes Yes No No FORM-006 + Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 Revision 1.0

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 70 of 74

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

Company Name	Etech Environmental & Safety Solu	tions	, In	C.							BI	LL TO						AN	ALY	SIS	RE	QUE	ST		
Project Manage	r: Joel Lowry							P.	.0. 1	k:														T	T
Address: P.O). Box 301							C	omp	any	y:	CC	DG												
City: Lovingto	on State: NM	Zip	: 88	260)				itn:		in	heldon Hitcl	hcock												
Phone #: (57	5) 396-2378 Fax #: (575)	396-1	429)			-		ddre	SS:															
Project #: 113	78 Project Owne	er:	CC	C				-	ity:																
Project Name:	Sebastian Fed Com 1H			-					tate:		-	Zip:			Ñ	18									
-	n: Rural Lea County		_						hone			Lip.		Chloride	TPH (8015M)	BTEX (8021B)									
	Matthew Grieco & Trey Sims		-					-	ax #:					입	1 (8)	X								1	
FOR LAB USE ONLY		T	-	Г	-	MAT	RIX	1-4	-	_	ERV.	SAMPLI	NG	0	đ	I E									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	0IL SUIDOE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
	D FL1 @ 6"	С	1	Γ		X			Г	X		3/24/21		Х	X	X									T
àz	D FL2 @ 6"	С	1			X				X		3/24/21		X	X	X									
23	D FL3 @ 6"	С	1			X				X		3/24/21		X	X	X									
24	D FL4 @ 6"	С	1			X				X		3/24/21		X	X	X									
25	D FL5 @ 6"	С	1			X				X		3/24/21		х	X	X									
26	D FL6 @ 6"	С	1			X				X		3/24/21		X	X	X									
	D FL7 @ 6"	С	1			X				X		3/24/21		X	X	X									
28	ENW	С	1			X				X		3/24/21		Х	X	X									
	EWW	С	1			X				X		3/24/21	_	X	Х	X									
	E EW and Damages. Cardinal's liability and client's exclusive remedy for	С	1			X				X		3/24/21		Х	X	X									
alyses. All claims includit vice. In no event shall Cr lines or successors arise elinquished By elinquished By Delivered By:	ng those for negligence and any other cause whatsoever shall be arclinal be liable for incidential or consequential damages, includial ing out of or related to the performance of services hereunder by V: Date: 3-25-2 Time: 5-40	e deeme ng withou Cardinal Re	d walv it limit i, rega	ved un ation, ardless ved	By:	ade in ss inter ether s	writing 4 ruption	ind rec , lows of <u>m is be</u>	selved b of use, ssed up	CH	clinal with a soft product of the soft product	thin 30 days efter file incurred by c above stated rec by ED BY:	r completion of a	ie applicat les, les sult: t: 5:	□ Ye	25	□ No □ No	Ade	d'I Pho d'I Fax env.c	#:					

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 71 of 74

101 East Marland, Hobbs, NM 88240

Company Name	Etech Environmental & Safety Solu	tions	, In	C.				1		BI	LL TO						ANA	LYSI	S RE	EQUE	ST		
Project Manage	r: Joel Lowry							P.0	. #:														
Address: P.O). Box 301							Cor	npar	ny:	C	OG											
City: Lovingto	on State: NM	Zip	: 88	260)			Attr	1:		Sheldon Hitc	hcock	1										
Phone #: (57	5) 396-2378 Fax #: (575) 3	396-1	429)				Add	ires	s:													
Project #: 113	78 Project Owne	r:	C	DG	-			City		-											1		
	Sebastian Fed Com 1H	-	-				-	Sta	-	_	Zip:			Ŵ	18								
Project Location	n: Rural Lea County		-						one i	¢.	eib.		Chloride	TPH (8015M)	BTEX (8021B)								
	Matthew Grieco & Trey Sims							Fax					म्	H (8)	X								
FOR LAB USE ONLY		T	Г	1	N	ATRI	X	-	_	SERV	SAMPL	ING	0	TP	H H								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	OTHER :	DATE	TIME											
31	E FL1 @ 6"	С	1			X			1	X	3/24/21		X	X	X								
	E FL2 @ 6"	С	1			X			3	X	3/24/21		X	X	X								
33	E FL3 @ 6*	С	1			X			1	X	3/24/21		X	X	X								
34	E FL4 @ 6"	С	1			X			2	X	3/24/21		X	X	X							_	
35	E FL5 @ 6"	С	1			X			2	X	3/24/21		X	X	X								
36	E FL6 @ 6"	С	1			X			1	X	3/24/21		X	X	X								
37	E FL7 @ 6"	С	1			X			1	X	3/24/21		X	X	X							1	
38	F WW1	С	1			X			1	X	3/24/21		X	X	X								
39	F WW2	С	1			X			1	X	3/24/21		X	X	X								
40	F WW3 nd Damages. Cardinal's liability and client's exclusive remedy for	С	1			X				X	3/24/21		X	X	X						_		
nee. In no event shall C litates or successors arisi celinquished B	y: Date: Time: : (Circle One)	g wiltou Cardina Re Re	ut limit d. rega ecei	ved	By: By: By: By: Sam	s interrup	pilons, lo n claim is 222	tes of a		hees of p any of the	rolls incurred by	cleat, its subsidie	dee, se sult: It: S:		es D	No No m@e	Add'l	Phone Fax #:					
Sampler - UPS	- Bus - Other: _ 0.9c .	#1	13	3		Yes No	Tes		9	10												 	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240

												3]	LL TO	- 14	ANALYSIS REQUEST											
Project Manage	r: Joel Lowry					_			P.(0. #:	:															
Address: P.O	Address: P.O. Box 301										any	:	C	OG												
City: Lovington State: NM Zip: 88260										tn:		SI	heldon Hitc	hcock	1											
Phone #: (575) 396-2378 Fax #: (575) 396-1429										dres	SS:				1											
Project #: 113	Joel Lowry Box 301 State: NM Zip: 88260 396-2378 Fax #: (575) 396-1429 Project Owner: COG Bebastian Fed Com 1H Rural Lea County Matthew Grieco & Trey Sims Sample I.D. SW1 C 1 SW1 C 1 FL1 @ 6" FL2 @ 6" C 1 FL4 @ 6" C 1 FL5 @ 6" C 1								Cit	tv:					1											
Project Name:	P.O. Box 301 rington State: NM Zip: 88260 (575) 396-2378 Fax #: (575) 396-1429 11378 Project Owner: COG ne: Sebastian Fed Com 1H ration: Rural Lea County ame: Matthew Grieco & Trey Sims NLY Sample I.D. O(D) NO BY (D)								1	ate:			Zip:			2W)	BTEX (8021B)									
				_						one	#:				Chloride	TPH (8015M)	802									
		Sims	-						1	x #:					Ĕ	H	X								L	
FOR LAB USE ONLY				Π		M	ATR	IX		-	ESE	RV.	SAMPL	ING	1	1 d	BTI									
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
41	F SW1		С	1			x				X		3/24/21		X	X	X									
42	F SW2		С	1			x				X		3/24/21		X	X	X									
43	F EW1		С	1			x				Х		3/24/21		X	X	X									
44	F FL1 @ 6"		С	1			x				X		3/24/21		X	X	X					-	-		-	_
			С	1			x				X		3/24/21		X	X	X		-			-	_	-	-	_
46	F FL3 @ 6"		С	1			X	+			X		3/24/21		X	X	X	-		-	-	-	-	-	-	+
			С	1			X				X		3/24/21		X	X	X	-		+	+	-	_	-	-	+
			C	1		_	x		-		Х		3/24/21		X	X	X	-		_	-	-	_		-	-
			-	1			X	+	-		X		3/24/21		X	X	X		-	-	-	-	+	-	-	-
	F FL7 @ 6"		- ·	1		_	X		1		X		3/24/21		X	X	X			1		_		_		
nalyses All clarms includi envice in no event shall C	nd Damages. Cardinal's liability and clie ing liteos for negliguese and any other o cardinal be liable for incidental or consec ing out of or related to the performance. Y: X: X: X:	ause whatsoever shall be wentel damages, including	deenne willhor	d web at limit i, rega	nd unit alien, b	nin mini	in in ve	aptions,	, loss o	ired by f use, c	y Cand or loss	linei vi s of pro	this 30 days all sits incurred by a	er completion of t client, its subsidir	be applica vies, <u>ies.</u> it:			I No								
	y: : (Circle One) - Bus - Other:	Time:	Re		0		Int	tact Ye	s		(ECK	ED BY:	Please	email (result	s to	pm@	etecho	env.co	om.					

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ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 73 of 74

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

Company Name	(575) 393-2326 FA : Etech Environmenta		-	, Inc			-				1	<u> </u>	LTO						ANA	LYS	S R	QUE	ST		 e 6 o
Project Manager			-						P.0	D. #:								T		T	1		1		T
Address: P.O. Box 301										mpa	-		0	DG	1										
City: Lovington State: NM Zip: 88260									Att		inty.		heldon Hitc		1										
Phone #: (575) 396-2378 Fax #: (575) 396-1429									-	dres		21	HILC	HOUCK							1				
Project #: 113	ger: Joel Lowry .0. Box 301 .0. Box 301 gton State: NM Zip: 88260 .75) 396-2378 Fax #: (575) 396-1429										55.														
				00	-				Cit	-	-	-				ŝ	â								
										ate:			Zip:		Chloride	TPH (8015M)	BTEX (8021B)								
		Cime				-		-		one	#:				Pla	(80	X (8								
	Mattnew Gneco & Trey	Sims		-	_		ATDI	~	Fa	X #:	CEL	DV/	SAMPLI	NG	Ū	E	E								
FOR LAB USE ONLY					1		FRE	SEI		SAMPLI	ING														
Lab I.D.	Sample I.	D.	(G)RAB OR (C)ON	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
51	F FL8 @ 6"		С	1		1	X				X		3/24/21		X	X	X								
SZ	F FL9 @ 6"		С	1		1	x				X		3/24/21		Х	X	X								
53	F FL10 @ 6"		С	1		1	x				X		3/24/21		X	X	X								
54	F FL11 @ 6"		С	1		1	x				X		3/24/21		Х	X	X							1	
55	F FL12 @ 6"		С	1		1	x				X		3/24/21		X	X	X								
56	F FL13 @ 6"		С	1		1	x				X		3/24/21		X	X	X								
			С	1		1	X				X		3/24/21		X	X	X								
58	F FL15 @ 6"		С	1		1	X				X		3/24/21		X	X	X								
59	F FL16 @ 6"		С	1		1	x	-			X		3/24/21		X	X	X		-			-			-
	F FL17 @ 6" d Damages. Cardinal's liability and clier		С	1			X				X		3/24/21		X	X	X						-		
adyses. All clarms includin roce. In no event shall Ca filtere or successory arise Relinquished By Relinquished By Delivered By:	ig those for negligence and any other conducts to liable for incidential or conseq go out of or related to the performance of the second second second second second second to the second second second second second second second to the second secon	ause whatsoever shail be d wontal damages, including	withou ardinal Re	t limita regar ceiv	d usie fion, bu diess o red i red i	By:	ie in well interrup	ing and stiens, i claim	in receil loss of is bass	hed by ruse, or ed upor	Candle r loss n arry	of protof the	tion 30 days after the incurred by co above stated re bove stated re ED BY:	r completion of	the applical arles, ise. esult: ilt: S:	□ Ye □ Ye	<u>s</u>	No No	Add	I Phone I Fax #	:				

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 74 of 74

Company Name	(575) 393-2326 FA			B	ILL TO		Page 7 of ANALYSIS REQUEST																	
Project Manager: Joel Lowry										#:							T			T				
Address: P.O). Box 301								Com	pa	ny:	C	OG	1										
City: Lovington State: NM Zip: 88260									Attn	-	-	Sheldon Hit	chcock	1										
Phone #: (575) 396-2378 Fax #: (575) 396-1429									Add					1										
Project #: 11378 Project Owner: COG									City:					1					1					
Project Name: Sebastian Fed Com 1H										e:	_	Zip:			(WS	18								
Project Location: Rural Lea County									Pho					rid	015	802								
	Matthew Grieco & Trey S	Sims		-				- 1	Fax					Chloride	TPH (8015M)	BTEX (8021B)				1				
FOR LAB USE ONLY	,				-	MA	TRU	_	-	_	SERV	SAMPL	ING	1	4	B								
Lab I.D. Hai0759	Sample I.I	D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER :	DATE	TIME											
	F FL18 @ 6"		С	1		X					X	3/24/21		X	X	X								
62	F FL19 @ 6"		С	1		X					X	3/24/21		Х	X	X								
63	F FL20 @ 6"		С	1		X				1	X	3/24/21		X	X	X							-	
64	F FL21 @ 6"		С	1		X				1	X	3/24/21		X	X	X								
	F FL22 @ 6"		С	1		X				1	X	3/24/21		Х	X	X								
66	F FL23 @ 6"		С	1		X					x	3/24/21		X	X	X								
						-	-		+	-	-					-	-	-	-	-	-			
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LEASE NOTE: Liability a	nd Damages. Cardinal's liability and clien	it's exclusive remedy for an	v claim	arisin	g wheth	er base	d in co	intract o	or tort, si	hall b	e limited	to the amount p	aid by the client fo	or the	1	1	_		_	_	_		_	
alyses. All claims Includi	ing those for negligence and any other ca	ause whatsoever shall be d	leemed	I waive	d unles	s made	in well	ing and	receive	d by C	Cardinal	within 30 days at	ter completion of	the applica	old									
ervice. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruption filliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such class Relinquished By: Date: 3-35-31 Time: Sup											Phone R Fax Resu													
Refinquished B		Date: Time:	Re	ceiv	ed E	By:	141		Carl			9	Please	amailu	neult	ston	m@e	teche		n				
	: (Circle One) - Bus - Other:	.D.9°	+	12	C	ool Ye	Inta	oct	_	C	(Ini	KED BY: itials)	_ ricase (GINANI	coult	a to p		icone						

Received by OCD: 5/24/2021 2:01:31 PM


April 30, 2021

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

RE: SEBASTION FED COM #001H

Enclosed are the results of analyses for samples received by the laboratory on 04/27/21 15:52.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FL 4B @ 6" (H211085-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	70.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.3	% 38.9-14	2						

Sample ID: FL 2B @ 6" (H211085-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	70.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.6	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FEW 1B (H211085-03)

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	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	40.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	71.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.4	% 38.9-14	2						

Sample ID: DSWB (H211085-04)

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	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	65.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	63.7	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: DFL 6B @ 1' (H211085-05)

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	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	72.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.6	% 38.9-14	2						

Sample ID: CNWB (H211085-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	70.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.2	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: CFL 5B @ 3' (H211085-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	71.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.1	% 38.9-14	2						

Sample ID: DFL 5B @ 1' (H211085-08)

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	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	77.6	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.3	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: BSWB @ 1' (H211085-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	72.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	70.0	% 38.9-14	2						

Sample ID: BFL 3B @ 2' (H211085-10)

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	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	69.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	67.1	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: BFL 2B @ 2' (H211085-11)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	71.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.2	% 38.9-14	2						

Sample ID: DFL 4B @ 0-6" (H211085-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/29/2021	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	04/29/2021	ND	233	117	200	0.111	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	216	108	200	0.912	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	75.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	74.8	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: BWWB (H211085-13)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	79.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.1	% 38.9-14	2						

Sample ID: DEW 2B (H211085-14)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	86.4	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	46.7	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	79.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.6	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: DWW 1B (H211085-15)

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	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	78.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.6	% 38.9-14	2						

Sample ID: DNWB (H211085-16)

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	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	78.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.7	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: DWW 2B (H211085-17)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	13.2	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	<10.0	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	81.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	78.2	% 38.9-14	2						

Sample ID: FSW 2B (H211085-18)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	138	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	83.3	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	74.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	79.1	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 16B 0-6" (H211085-19)

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	04/29/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	2580	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	939	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	165	% 38.9-14	2						

Sample ID: FFL 19B 0-6" (H211085-20)

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	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DR0 >C10-C28*	351	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	127	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	73.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	93 .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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 22B 0-6" (H211085-21)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	684	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	1170	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	73.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	<i>98.3</i>	% 38.9-14	2						

Sample ID: FFL 15B 0-6" (H211085-22)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	651	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	218	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	78.0	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	83.1	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 18B 0-6" (H211085-23)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	531	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	230	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	104	% 38.9-14	2						

Sample ID: FFL 14B 0-6" (H211085-24)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	78.5	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	31.1	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	73.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	75.4	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 12B 0-6" (H211085-25)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	04/29/2021	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	7050	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	2070	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	81.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	325	% 38.9-14	2						

Sample ID: FFL 7B 0-6" (H211085-26)

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	04/29/2021	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	04/29/2021	ND	215	108	200	1.32	
DRO >C10-C28*	1370	10.0	04/29/2021	ND	226	113	200	0.365	
EXT DRO >C28-C36	548	10.0	04/29/2021	ND					
Surrogate: 1-Chlorooctane	77.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	111	% 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:	04/27/2021	Sampling Date:	04/27/2021
Reported:	04/30/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 11B 0-6" (H211085-27)

mg/	′kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
64.0	16.0	04/29/2021	ND	416	104	400	0.00	
mg/	′kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	04/29/2021	ND	215	108	200	1.32	
1650	10.0	04/29/2021	ND	226	113	200	0.365	
692	10.0	04/29/2021	ND					
78.8	% 44.3-13	3						
119 9	38.9-14	2						
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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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

RDINAL LABORATORIES

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'8 '8 Sample I.D. '8 '8 '9 '9 '9 '9 '9 '9 '9 '9 '9 '9 '9 '9 '9 10 '9 | F: Soel_Low/y P.0.8: Box 301 Company: CC 6 0 4 4 1 3 n State: NM ZIP: 88260 Attr:Skeldce II: tch.Cock 0) 396-2378 Fax 8: CD 6 0 4 4 1 3 28 Project Owner: COG 0 4 6 4 1 9 28 Project Owner: COG 0 4 6 4 1 9 29 Fax 8: 29 Project Owner: COG 0 4 6 4 1 9 29 Fax 8: 29 Project Owner: COG 0 4 6 1 9 20 Fax 8: 20 Project Owner: COG 0 4 6 1 9 20 Fax 8: 20 Phone 8: 20 Project Owner: COG 0 4 0 1 4 20 Phone 8: 20 Project Owner: COG 0 4 0 1 4 20 Phone 8: 20 Phone 8: 20 Phone 9: 21 Phone 8: 22 Phone 9: 23 Phone 9: 24 Phone 9: 25 Phone 9: 26 Phone 9: 27 Phone 9: 28 Phone 9: 29 Phone 9: < | F: Soll Low/ty P.O. #: Box 301 Company: CC 6 specify as a specific program in the specific progra | F: Soll Device P.O. 8: Box 301 Company: COS Company: COS </td |

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 18 of 19

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

Company Name	Etech Environmental & Safety So	lutions	s, li	nc.		-						BI	LI	L TO				-		ANALYSIS	REC	QUE	ST			
Project Manage	r. Joel Lowly								P.(0. #	:				_			T							T	T
Address: P.C). Box 301								Co	mp	any	y:0	0	Gope	tation			L								
City: Lovingt	on State: NM	Zip	:8	826	0				Att	tn:	She	de	21	Hitch	cock	1				1 1 1					1	
Phone #: (57									Ad	Idre			- 34			1										
Project #: 1/3	78 Project Own	er:	a	50	Pe	ha	tin	G	Cit	tv:						1		L								
Project Name: <	Sebation Federam	do	0	11	H		1		Sta	ate:	-		Zi	0:			Ŵ		BTEX (8021B)							
Project Locatio	n: Roulal Lea	11 4	-	6 3			_		Ph	one	-			P		Chloride	TPH (8015M)		802					1		
Sampler Name:	Spicer Black	200	1			-			-	x #:		-				Ĕ	Ĩ		X							
FOR LAB USE ONLY	-roman provint	Ť	Ť	T	-	MAT	TRIX	-		-	_	ERV.	Г	SAMPLI	NG	1	E									
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	BFL2B@z'	C		Т	T	V					V		a	127/24		V	~	T								
12	DFL4B@0-6"	C	1	T		1					V	1	U,	127/21		V	1	1								
13	BWWB	C	T	T		1					~	K	4	127/21		V	~	T								
14	DEW2B	C		T		V					1			127/21		V	1	Т								
15	PWWIB	6	Γ			1					1	1	4	27/21		1	1	Γ								
16	DNWB	C				1					1		4	127/2)		1	1									
17	DWW2B	C				1					V		3	127/21		1	1									
18	FSW2B	C				1	-				V	1	2	27/21		V	1									
19	FFL16B0-6"	C				1					1	1	3/	27/21	-	V	1									
20	FFL19 B0-6"	C				1					1	1	뵈	27/21		V	1					-	-			
afflictes or successors arisi	nd Damagea. Cardinal's liability and client's axcluaive remody for ng thoos for negligence and any other cause whatworver shall artheal be liable for incidential or consequential damagea, linclu ng out of or related to the performance of services hereander b	be deems ling without y Cardina	nd we nat film ni, reg	alved u station parcles	trades n trades	nade in nes inte nether:	erruptic	g and ons, lo	recei	ived by fune, o	y Car or los	cline) w as of pr	afits	incurred by ci	lent, its subsidie mone or otherwi	rine, 10.										
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Revision 1.0

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

Company Name:	Etech Environmenta	al & Safety Solu	tions	, Ind	2			T		1	BII	LL TO					AN	ALYS	IS R	EQUE	ST			
Project Manager:	DoetLowin							1	P.O. 1	k:									1					
Address: P.O. Bo	ox 301							0	Comp	any	:00	Gepe	rating											
City: Lovington		State: NM	Zip	: 88	260			_				Hitch												
Phone #: (575) 3	96-2378	Fax #: (575) 3	196-1	429					Addre			11,												
Project #: 1/3 79	3	Project Owne	r:/0	GG	ale	tin	G	-	City:															
	ation Fed Co				V		/	-	State:			Zip:			(WS	18								
Project Location:	Rula LIPA	NOT SOIL						-	hone					Chloride	TPH (8015M)	BTEX (8021B)								
Sampler Name: 4	Encel Black	Kwlood						-	ax #					Ř	E H	X								
FOR LAB USE ONLY	and have	11.00	T			MA	TRIX		-	ESE	RV.	SAMPLI	NG		TP	BT								
Lab I.D.	Sample I.	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
21 FI	FL 22B0-6"		C			V	1			1		4/27/2)		V	1									
OZ FF	15130-6"		C			V	1	_		V		4/27/21		1	1									
23 FT	LI8B0-6"		C			V		_	-	V		1/27/21		1	1			-					_	
	L14B0-6"		6			1		-		5		4/2/2		\checkmark	V		-	-	-				-	
	L12B0-6"		C		-	~		-		1		4/27/21		V	1	-		-	-		+		-	
26 FI	F67B0-6		C	\vdash		V		-	-	V	-	1/27/21		V	5	-		-	+	-		-	-+	
aTr	FLI1B0-6"		C			-	\vdash	-	+	V	-	4/27/21		V	~	-		+	+		+	-	-+	
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analyses. All claims including the service. In no event shall Cardina affiliates or successors arising out Relinquished By:	Circle One)	une whatscover shall be uental damages, includin of services hereunder by (Date:	deeme g withou Cardinal Re Re	d walve at limits i, regar	ed uniese stion, busi diese of y red B red B	made i noes in whathor Y: <u>////</u> Y: Y:	n willing isrruption such d	and re ne, los aim is t	contract to the second se	criss on any CHE		thin 30 days after this incurred by c above stated re- bove stated re- bove stated re- bove stated re- bove stated re- states ()	r completion of th livert, its subsidiar asons or otherwis Phone Res Fax Result REMARKS	e applicat ies, e. <u>suit:</u> t: i:	O Ye			'l Phone 'l Fax #						

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May 04, 2021

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

RE: SEBASTION FED COM #001H

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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:	05/04/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 12C @ 1' (H211121-01)

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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					
Surrogate: 1-Chlorooctane	64.5 %	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	64.7 %	38.9-14	2						

Sample ID: DEW2C (H211121-02)

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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					
Surrogate: 1-Chlorooctane	71.0 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	72.1 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:	05/04/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 16C @ 1' (H211121-03)

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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					
Surrogate: 1-Chlorooctane	68.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.8	% 38.9-14	2						

Sample ID: FFL 11C @ 6"-9" (H211121-04)

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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					
Surrogate: 1-Chlorooctane	66.6 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.4 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:	05/04/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: FFL 7C @ 6"-9" (H211121-05)

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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					
Surrogate: 1-Chlorooctane	68.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.1	% 38.9-14	2						

Sample ID: EWWB (H211121-06)

ТРН 8015М	mg/l	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	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					
Surrogate: 1-Chlorooctane	72.4 %	6 44.3-13	3						
Surrogate: 1-Chlorooctadecane	73.2 %	6 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:	05/04/2021	Sampling Type:	Soil
Project Name:	SEBASTION FED COM #001H	Sampling Condition:	Cool & Intact
Project Number:	11378	Sample Received By:	Tamara Oldaker
Project Location:	COG - RURAL LEA COUNTY		

Sample ID: EEWB (H211121-07)

TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					
Surrogate: 1-Chlorooctane	65.3	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	65.6	% 38.9-14	2						

Cardinal Laboratories

*=Accredited Analyte

Celeg 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 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name		al & Safety Solu	tions	s, Inc	2.					1	BIL	L TO						ANA	LYSI	S RE	QUE	ST		
Project Manage	r. Jobl Lowry							P.	0. #															T
Address: P.O	. Box 301							c	omp	any:	:00	Galer	ating											
City: Lovingto	ss: P.O. Box 301 Lovington State: NM Zlp: 88260 e#: (575) 396-2378 Fax #: (575) 396-1429 e#: (1378) Project Owner: COG of electric et Name: Sebatian fed Com Hool H et Location: Rwal Lea ler Name: Spencer Blackwood BUSE ONLY air Not Sample I.D. air Not Support f FFL12cQ1' c air Not Support 2 DEW2C C C 3 FFL16 cQ1' C C											ch cock												
Phone #: (57	5) 396-2378	Fax #: (575)	396-1	429					ddre	-						1								
Project #: 1/37	8	Project Owne	er: Co	G	Pelo	stin	3	C	ity:								1							
		HOOLH							tate:		;	Zip:	-		(WS	18								
Project Location	n: Remal Lea							+	none	-	-			P	016	802								
Sampler Name:	Sephcer Black	wood		-				1	x #:					Chloride	FPH (8015M)	BTEX (8021B)								
FOR LAB USE ONLY		1000	T			MAT	RIX		-	ESER	RV.	SAMPL	ING	1°	1	6								- 1
Lab I.D.	Sample I.	.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
1	FFLIZCOI					V				1		5/3/21			I									
7	DEW2C		C			V				1		5/3/21			V									
3	FFL16CQ1'		C			V		1		1		5/3/21			1									
4	FFLIIC@6"-9"	,	C			1				V		5/3/21			1									
5	FFL7C036-9		C			1				1		5/3/21			1									
6	EWWB		C			1				V		5/3/21												
7	EEWB		C			V	-	-		1	-	5/3/21			V		-			-			-	_
						+	-	+			+												+	+
alyses. All claims include nice. In no event shall C littles or successors arise (elinquished B) (pence/ ISL elinquished B)	Circle One)	cause whatsoever shall be questial damages, includin of aervices hereunder by <u>5/3/2-1</u> <u>7/2-05</u> Date: Time:	deenne rg withor Cardina Re Re	d waiw t limita , regain iceiv	d unless fion, build dees of v red B ved B Sa Ca	made in incess inte whether a y: y: y: y: mple (pol it	writing a rruptions uch clair uch clair UCA	ind rec. , loss of m is be d	nived by of use, c and upp	CHE	inal with of prof of the	hin 30 days alle he incurred by o above stated re by the state of the state of the state of the state of the state of the state of the state of the state of the	er completion of th	ne applicat ins, in. sult: it: 3:	O Ye	5 []	No No m@et	Add'l	sk	. /				
Sampler - UPS	- Bus - Other:	3.4c-7	411	2	F	Yes No	- M	85		•														

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Appendix D Photographic Log



•

Photo Number:	Apr 27_2021 at 1:41:09 PM
3	Apr 27, 2021 at 1:41:09 PM +32.224437,-103.515231
Photo Direction:	
East	
Photo Description:	
View of a portion of the	
excavated area on the	
caliche pad.	the state of the s
p	A DESCRIPTION OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER
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4	Apr 27, 2021 at 1:41:14 PM +32.224437,-103.515231
4 Photo Direction:	Apr 27, 2021 at 1:41:14 PM +32.224437,-103.515231
4 Photo Direction: Southeast	Apr 27, 2021 at 1:41:14 PM +32.224437,-103.515231
4 Photo Direction: Southeast Photo Description:	Apr 27, 2021 at 1:41:14 PM +32.224437,-103.515231
4 Photo Direction: Southeast Photo Description: View of a portion of the	Apr 27, 2021 at 1:41:14 PM +32.224437,-103.515231
4 Photo Direction: Southeast Photo Description: View of a portion of the excavated area on the	Apr 27, 2021 at 1:41:14 PM +32.224437,-103.515231
4 Photo Direction: Southeast Photo Description: View of a portion of the excavated area on the	Apr 27, 2021 at 1:41:14 PM +32.224437,-103.515231
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4 Photo Direction: Southeast	+32.224437,-103.515231
4 Photo Direction: Southeast Photo Description: View of a portion of the excavated area on the	+32.224437,-103.515231





Photo Number:	May 7, 2021 at 3:13:24 PM
9	May 7, 2021 at 3:13:24 PM +32.224615,-103.515233
Photo Direction:	
Southeast	
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Page 6

Oil Conservation Division

Incident ID	nRM1929031912
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Title: ﷺEnvironmental Coordi} ﷺ Printed Name: Acqui Harris Signature: Jacqui Arevis Date: 5/24/2021 email: best after a @conocophillips.com Telephone: (Í Ï Í)Â Ì J-HFFI **OCD Only** Date: 8/24/2021 Robert Hamlet Received by: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Robert Hamlet Date: 8/24/2021 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	29314
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
By		Date
	We have received your closure report and final C-141 for Incident #NRM1929031912 SEBASTIAN FEDERAL COMM #001H, thank you. This closure is approved. Delineation of edges/sidewalls of a release requires clean samples equal to or less than 600 mg/kg for chlorides and 100 mg/kg for TPH. If the edge of the spill has been visually identified, a sample will need to be pulled from the clean side to prove extent. Once that is accomplished, you can excavate to the table 1 criteria. This will define the edge of the release and ensure the release did not leave the pad. Please make sure this is accomplished on all future reports.	8/25/2021

CONDITIONS

Action 29314