

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2125738506
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Solaris Water Midstream, LLC	OGRID	371643
Contact Name	Rob Kirk	Contact Telephone	(575)748-1553
Contact email	rob.kirk@solarismidstream.com	Incident # (assigned by OCD)	nAPP2125738506
Contact mailing address	907 Tradewinds Blvd, Ste B, Midland, TX 79706		

Location of Release Source

Latitude 32.084114 Longitude -103.322372
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Momentum 36 State SWD #1	Site Type	Pipeline
Date Release Discovered	9/3/2021	API# (if applicable)	N/A

Unit Letter	Section	Township	Range	County
K	36	25S	35E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 12	Volume Recovered (bbls) 8
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)


Cause of Release An underground poly line ruptured.

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Rob Kirk	Title: General Manager, HSE & Compliance
Signature: 	Date: 7/12/2023
email: rob.kirk@solarismidstream.com	Telephone: (575)748-1553
<u>OCD Only</u>	
Received by: Shelly Wells	Date: 7/13/2023

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>105</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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


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

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

Oil Conservation Division

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

Printed Name: Rob Kirk Title: General Manager, HSE & Compliance
Signature:  Date: 7/11/2023
email: rob.kirk@solarismidstream.com Telephone: (575)748-1553

OCD Only

Received by: Shelly Wells Date: 7/13/2023

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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.

Printed Name: Rob Kirk Title: General Manager, HSE & Compliance
Signature:  Date: 11/7/2023
email: rob.kirk@solarismidstream.com Telephone: (575)748-1553

OCD Only

Received by: Shelly Wells Date: 7/13/2023

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: 10/03/2023
Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Remediation Summary & Soil Closure Request

Solaris Water Midstream, LLC Momentum 36 State SWD #1

Lea County, New Mexico

Unit Letter "K", Section 36, Township 25 South, Range 35 East

Latitude 32.084114° North, Longitude 103.322372° West


NMOCD Reference No. nAPP2125738506

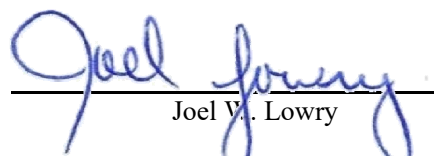
Prepared By:

Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave., Ste. D

Lubbock, Texas 79413



Ben J. Arguijo

Joel V. Lowry

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Solaris Water Midstream, LLC (Solaris), has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Momentum 36 State SWD #1 (henceforth, "Momentum 36 SWD"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.084114° Longitude: -103.322372°

Provided GPS are in WGS84 format.

Site Name: Momentum 36 State SWD #1	Site Type: Pipeline
Date Release Discovered: 9/3/2021	API # (if applicable): N/A

Unit Letter	Section	Township	Range	County
"K"	36	25S	35E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name _____)

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 12	Volume Recovered (bbls) 8
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:

An underground poly line ruptured.

Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Momentum 36 SWD release site.

Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. In addition, on June 15, 2022, an investigative soil boring/temporary monitor well was drilled at the site in an effort to determine if shallow groundwater is present in the area. The soil boring was advanced to a total depth of approximately 105 feet below ground surface (bgs) and left open for over 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring or prior to plugging and abandonment. A drilling log and additional depth to groundwater information are provided in Appendix A. The location of the investigative soil bore/temporary monitor well is depicted in Figure 2.

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

On October 28, 2021, in accordance with New Mexico State Land Office (NMSLO) regulatory guidelines, an archaeological/cultural survey was conducted at the release site. The survey included a 100-foot cultural buffer around the inferred affected area. According to the New Mexico Cultural Resource Information System (NMCRIIS) Investigation Abstract Form (NIAF), "during this investigation, no new or previously recorded sites or historic properties were identified; however, one isolated occurrence (IO) was recorded within the survey area. The IO is recommended not eligible for listing on the NRHP under any criteria; therefore, no further management is recommended." A copy of the NIAF is provided as Appendix F.

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Momentum 36 SWD release site are as listed in the table on the following page:

Closure Criteria for Soils Impacted by a Release

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
>105'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

* Measured in milligrams per kilogram (mg/kg)

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

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

4.0 INITIAL SITE ASSESSMENT

On November 1, 2021, Etech conducted an initial site assessment. During the initial site assessment, four (4) hand-augered soil bores (SP1 through SP4) were advanced within the inferred margins of the affected area to determine the vertical extent of impacted soil. In addition, nine (9) hand-augered soil bores (NH1, EH1, EH2, EH3, SH1, SH2, WH1, WH2, and WH3) were advanced along the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit. The soil bores were advanced in one (1) foot increments until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards or until refusal was met.

Based on field observations and field test results, a total of 26 delineation soil samples (NH1 @ Surface, NH1 @ 1', EH1 @ Surface, EH1 @ 1', EH2 @ Surface, EH2 @ 1', EH3 @ Surface, EH3 @ 1', SH1 @ Surface, SH1 @ 1', SH2 @ Surface, SH2 @ 1', WH1 @ Surface, WH1 @ 1', WH2 @ Surface, WH2 @ 1', WH3 @ Surface, WH3 @ 1', SP1 @ Surface, SP1 @ 4'-R, SP2 @ Surface, SP2 @ 4'-R, SP3 @ Surface, SP3 @ 4'-R, SP4 @ Surface, and SP4 @ 4'-R) were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory method detection limits (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 7.45 mg/kg in soil sample SH1 @ Surface to 25,700 mg/kg in soil sample SP1 @ Surface. Based on these laboratory analytical results, the horizontal extent of impacted soil was adequately defined, and the vertical extent of impacted soil was adequately defined in the areas characterized by sample points SP2, SP3, and SP4. However, additional vertical delineation and/or excavation was required in the areas characterized by sample point SP1.

The locations of the hand-augered soil bores are depicted in Figure 3, "Site & Sample Location Map".

5.0 REMEDIATION ACTIVITIES SUMMARY

On April 14, 2022, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the vertical and horizontal extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

On April 22, 2022, Etech collected 10 confirmation soil samples (NW 1, EW 1, and FS 1 @ 3' to FS 8 @ 5') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were less than the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were

also less than the applicable laboratory MDL. Chloride concentrations ranged from 48.0 mg/kg in soil sample FS 2 @ 3' to 336 mg/kg in soil sample FS 8 @ 5'.

On April 26, 2022, Etech collected 30 confirmation soil samples (EW 3 to EW 9, SW 1, WW 1 to WW 8, and FS 9 @ 5' to FS 22 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were less than the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil samples EW 4, EW 9, and WW 4 to 1,890 mg/kg in soil sample FS 19 @ 4.5'. Chloride concentrations exceeded the NMOCD Reclamation Standard in soil samples EW 5 and EW 7.

On April 27, 2022, Etech collected 10 confirmation soil samples (EW 10 to EW 12, WW 9 to WW 12, and FS 23 @ 4' to FS 25 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were less than the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 32.0 mg/kg in soil samples EW 12 and WW 11 to 1,740 mg/kg in soil sample FS 24 @ 4'.

On April 29, 2022, Etech collected 10 confirmation soil samples (EW 13 and FS 26 @ 4' to FS 34 @ 4') from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were less than the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from 80.0 mg/kg in soil sample EW 13 to 3,760 mg/kg in soil sample FS 26 @ 4'.

On May 3, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples EW 5 and EW 7. Etech collected 26 confirmation soil samples (EWB 5, EWB 7, EW 14 to EW 16, WW 15, and FS 35 @ 4' to FS 54 @ 4") from the sidewalls and floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX concentrations were less than the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL in each of the submitted soil samples. TPH concentrations were less than the laboratory MDL in a majority of the submitted soil samples, with the exceptions of soil samples FS 42 @ 4" and FS 54 @ 4", which exhibited concentrations of 679 mg/kg and 15.8 mg/kg, respectively. Chloride concentrations ranged from 64.0 mg/kg in soil sample EW 14 to 46,400 mg/kg in soil sample FS 47 @ 4". Chloride concentrations exceeded the NMOCD Closure Criterion in soil samples FS 42 @ 4" to FS 48 @ 4" and FS 50 @ 4" to FS 54 @ 4".

On May 18, 2022, based on laboratory analytical results, the excavation was further advanced in the areas characterized by soil samples FS 42 @ 4" to FS 48 @ 4" and FS 50 @ 4" to FS 54 @ 4". Etech collected 12 confirmation soil samples (FS 42 @ 8" to FS 48 @ 8" and FS 50 @ 8" to FS 54 @ 8") from the floor of the newly excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were less than the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL, with the exception of soil sample FS 53 @ 8", which exhibited a TPH concentration of 23.6 mg/kg. Chloride concentrations ranged from 352 mg/kg in soil sample FS 53 @ 8" to 4,800 mg/kg in soil sample FS 50 @ 8".

The final dimensions of the excavated area were approximately 750 feet in length, three (3) to 22 feet in width, and three (3) to five (5) feet in depth. The final dimensions of the surface scape on the production pad were approximately 150 feet in length, seven (7) to 100 feet in width, and four (4) to eight (8) inches in depth. During the course of remediation activities, Etech transported approximately 1,516 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,420 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

Soil sample locations and the extents of the surface scrape and excavated area are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and a soil profile log are provided in Appendix B. General photographs of the release site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

6.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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

7.0 SOIL CLOSURE REQUEST

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends Solaris provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Momentum 36 SWD release site.

8.0 LIMITATIONS

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

This report has been prepared for the benefit of Solaris Water Midstream, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Solaris.

9.0 DISTRIBUTION

Solaris Water Midstream, LLC

*907 Tradewinds Blvd
Suite B
Midland, TX 79706*

New Mexico Energy, Minerals and Natural Resources Department

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

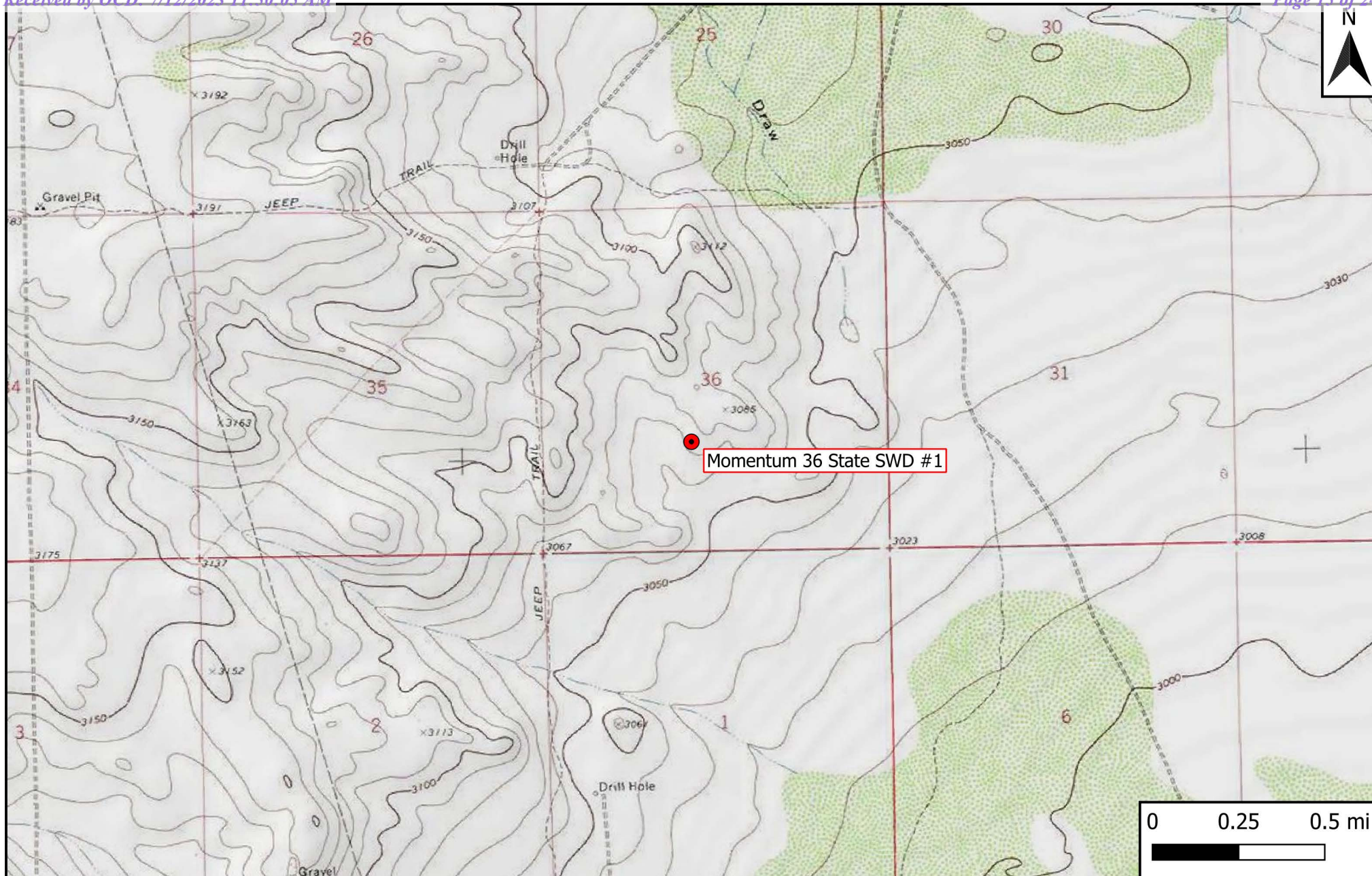
Hobbs Field Office

*New Mexico State Land Office
2827 North Dal Paso Street
Suite 117
Hobbs, NM 88240*

(Electronic Submission)

Figure 1

Topographic Map



Legend

- Site Location

Figure 1

Topographic Map
 Solaris Water Midstream, LLC
 Momentum 36 State SWD #1
 GPS: 32.084114°, -103.322372°
 Lea County



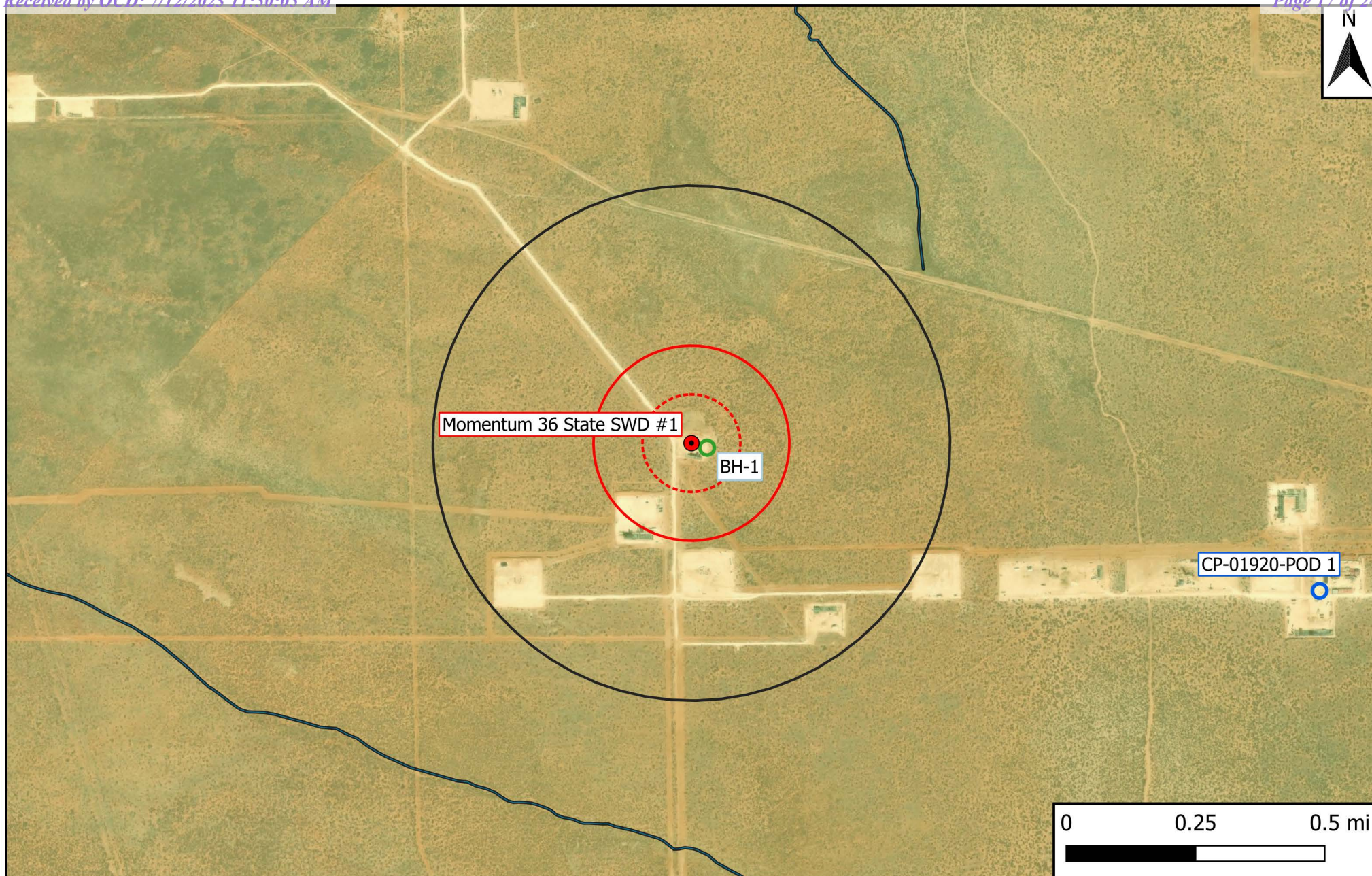
Drafted: bja

Checked: jwl

Date: 6/3/22

Figure 2

Site Characterization Map



Legend

- | | | |
|------------------------------|---------------------------------|----------------------|
| ● Site Location | 1% Annual Flood Chance | --- 500-Ft Radius |
| ○ Well - NMOSE | Emergent/Forested Wetlands | — 1,000-Ft Radius |
| ○ Well - USGS | Freshwater Pond/Lake | — 0.5-Mi Radius |
| ○ Well - Exploratory/Monitor | Karst Potential (Low/Med./High) | — Municipal Boundary |
| — Potash Mine Workings | Riverine | |

Figure 2

Site Characterization Map
 Solaris Water Midstream, LLC
 Momentum 36 State SWD #1
 GPS: 32.084114°, -103.322372°
 Lea County



Drafted: bja

Checked: jwl

Date: 7/7/23

Figure 3

Site & Sample Location Map

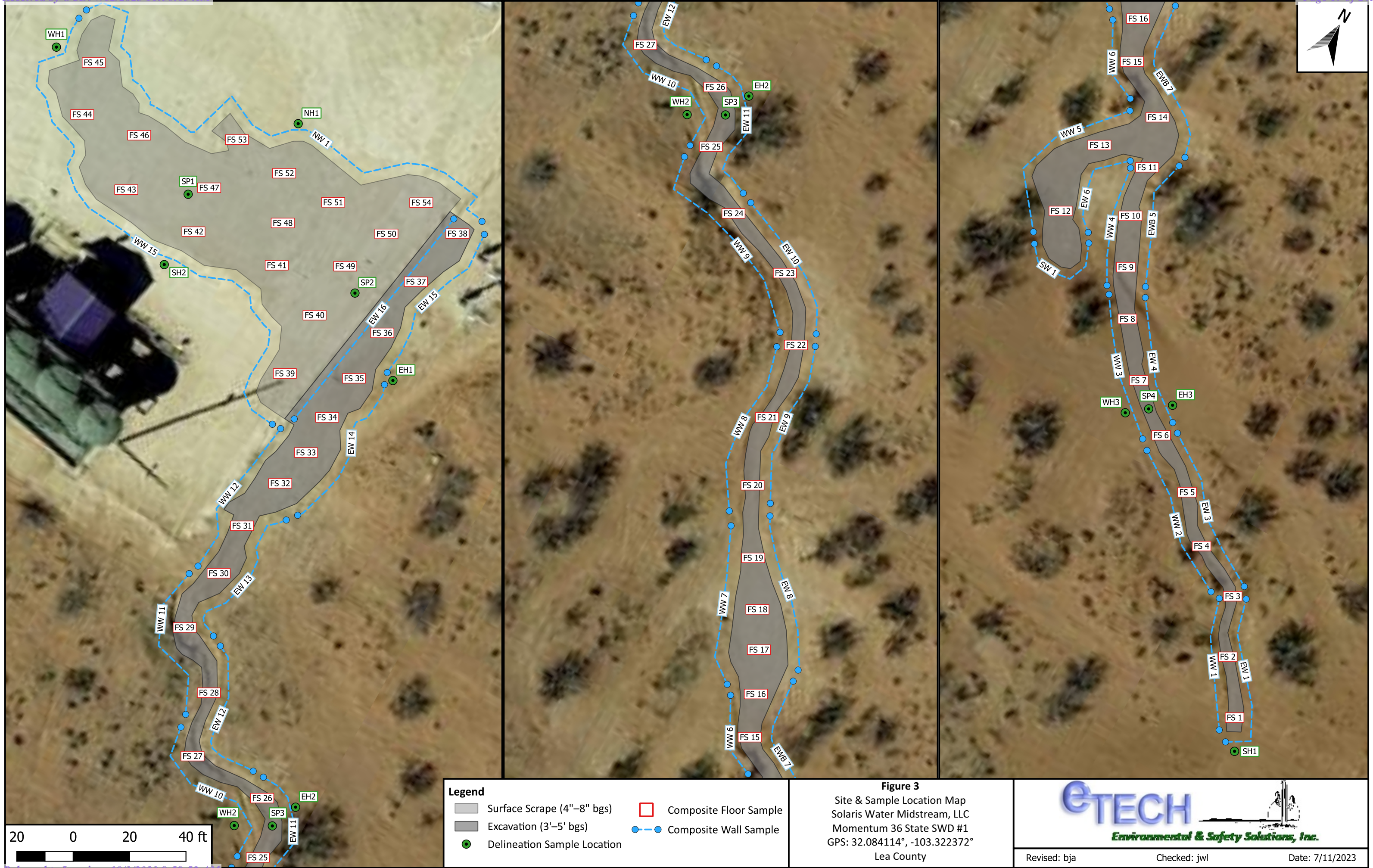


Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Momentum 36 State SWD #1 NMOCD Ref. #: nAPP2125738506											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Samples											
NH1 @ Surface	11/1/2021	0	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	450
NH1 @ 1'	11/1/2021	1	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	54.4
EH1 @ Surface	11/1/2021	0	In-Situ	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	63.6
EH1 @ 1'	11/1/2021	1	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	10.5
EH2 @ Surface	11/1/2021	0	In-Situ	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	11.1
EH2 @ 1'	11/1/2021	1	In-Situ	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	7.49
EH3 @ Surface	11/1/2021	0	In-Situ	<0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	7.98
EH3 @ 1'	11/1/2021	1	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	7.63
SH1 @ Surface	11/1/2021	0	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	7.45
SH1 @ 1'	11/1/2021	1	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	13.1
SH2 @ Surface	11/1/2021	0	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	29.1
SH2 @ 1'	11/1/2021	1	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	9.10
WH1 @ Surface	11/1/2021	0	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	69.1
WH1 @ 1'	11/1/2021	1	In-Situ	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	9.91
WH2 @ Surface	11/1/2021	0	In-Situ	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	11.7
WH2 @ 1'	11/1/2021	1	In-Situ	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	9.03
WH3 @ Surface	11/1/2021	0	In-Situ	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	11.4
WH3 @ 1'	11/1/2021	1	In-Situ	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	17.6
SP1 @ Surface	11/1/2021	0	Excavated	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	25,700
SP1 @ 4'-R	11/1/2021	4	Excavated	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	24,800
SP2 @ Surface	11/1/2021	0	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	556
SP2 @ 4'-R	11/1/2021	4	In-Situ	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	539
SP3 @ Surface	11/1/2021	0	Excavated	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	7,410
SP3 @ 4'-R	11/1/2021	4	In-Situ	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	317
SP4 @ Surface	11/1/2021	0	Excavated	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	4,270
SP4 @ 4'-R	11/1/2021	4	In-Situ	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	1,910
Excavation Samples											
NW 1	4/22/2022	0-0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EW 1	4/22/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 3	4/26/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
EW 4	4/26/2022	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 5	4/26/2022	0-5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,180
EWB 5	5/3/2022	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
EW 6	4/26/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
EW 7	4/26/2022	0-4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
EWB 7	5/3/2022	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW 8	4/26/2022	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 9	4/26/2022	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 10	4/27/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EW 11	4/27/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EW 12	4/27/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EW 13	4/29/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EW 14	5/3/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 15	5/3/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Momentum 36 State SWD #1 NMOCD Ref. #: nAPP2125738506											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
EW 16	5/3/2022	0-0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW 1	4/26/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
WW 1	4/26/2022	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW 2	4/26/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
WW 3	4/26/2022	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 4	4/26/2022	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 5	4/26/2022	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WW 6	4/26/2022	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WW 7	4/26/2022	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 8	4/26/2022	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WW 9	4/27/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 10	4/27/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
WW 11	4/27/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 12	4/27/2022	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 15	5/3/2022	0-0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FS 1 @ 3'	4/22/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 2 @ 3'	4/22/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 3 @ 3'	4/22/2022	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FS 4 @ 4'	4/22/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FS 5 @ 4'	4/22/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FS 6 @ 4'	4/22/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 7 @ 5'	4/22/2022	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FS 8 @ 5'	4/22/2022	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FS 9 @ 5'	4/26/2022	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FS 10 @ 5'	4/26/2022	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FS 11 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FS 12 @ 4'	4/26/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FS 13 @ 4'	4/26/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FS 14 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	896
FS 15 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FS 16 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
FS 17 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
FS 18 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FS 19 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,890
FS 20 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
FS 21 @ 4.5'	4/26/2022	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FS 22 @ 4'	4/26/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FS 23 @ 4'	4/27/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FS 24 @ 4'	4/27/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,740
FS 25 @ 4'	4/27/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,200
FS 26 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
FS 27 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FS 28 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,790
FS 29 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,620
FS 30 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,970

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Solaris Water Midstream, LLC Momentum 36 State SWD #1 NMOCD Ref. #: nAPP2125738506											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FS 31 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FS 32 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,640
FS 33 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,630
FS 34 @ 4'	4/29/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FS 35 @ 4'	5/3/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	960
FS 36 @ 4'	5/3/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FS 37 @ 4'	5/3/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,120
FS 38 @ 4'	5/3/2022	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FS 39 @ 4"	5/3/2022	0.33	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
FS 40 @ 4"	5/3/2022	0.33	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FS 41 @ 4"	5/3/2022	0.33	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,120
FS 42 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	679	679	<10.0	679	26,000
FS 42 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FS 43 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	44,400
FS 43 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
FS 44 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	42,800
FS 44 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FS 45 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	44,400
FS 45 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	704
FS 46 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	26,000
FS 46 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FS 47 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	46,400
FS 47 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FS 48 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	28,800
FS 48 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FS 49 @ 4"	5/3/2022	0.33	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,520
FS 50 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	23,200
FS 50 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,800
FS 51 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	34,000
FS 51 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,650
FS 52 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	44,000
FS 52 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
FS 53 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	36,000
FS 53 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	23.6	23.6	<10.0	23.6	352
FS 54 @ 4"	5/3/2022	0.33	Excavated	<0.050	<0.300	<10.0	15.8	15.8	<10.0	15.8	28,000
FS 54 @ 8"	5/18/2022	0.66	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Appendix A

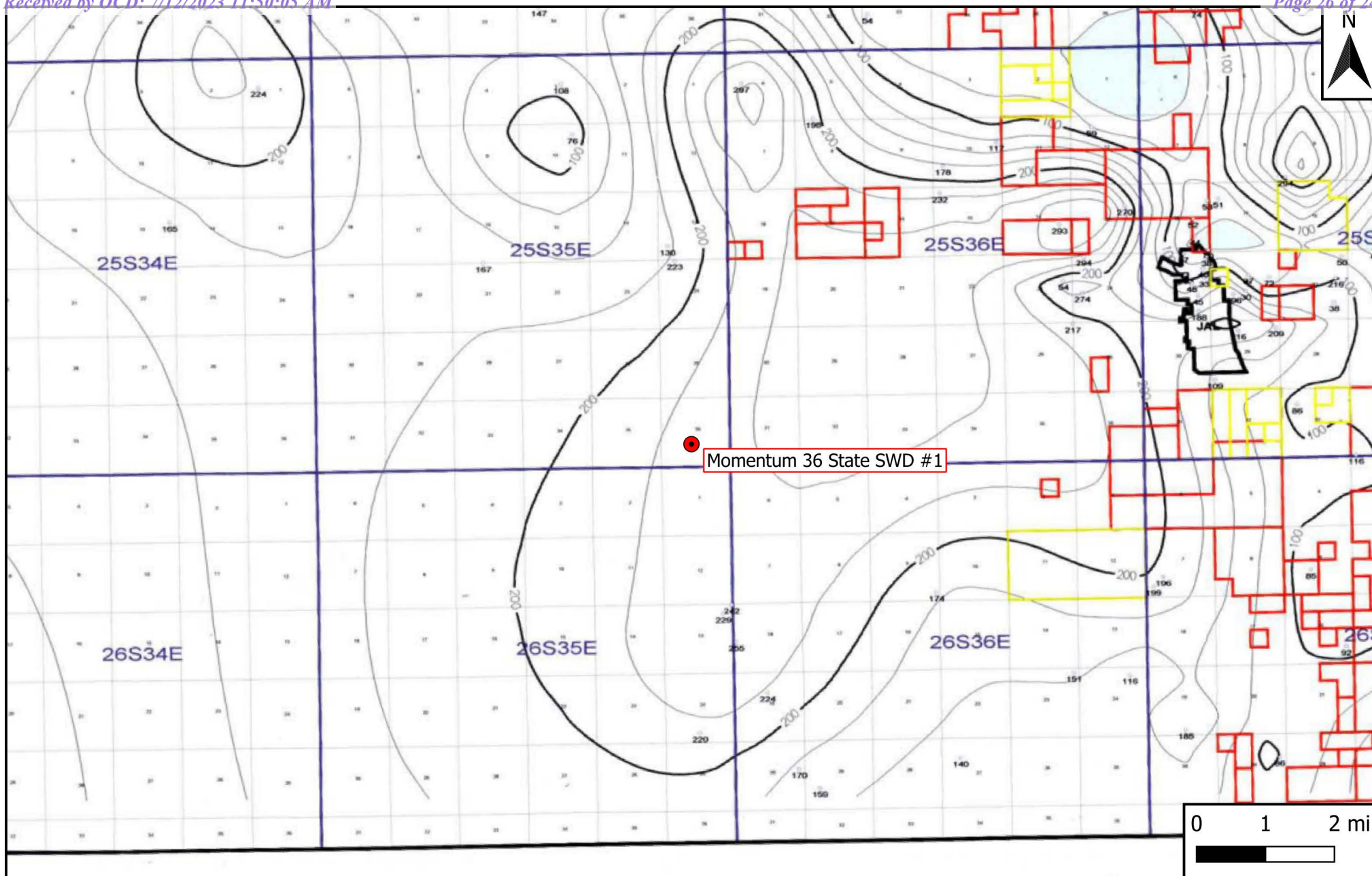
Depth to Groundwater Information



Soil Boring/Temporary Monitor Well BH-1

Company: Solaris Water Midstream, LLC Site: Momentum 36 State SWD #1 NMOCD Reference #: nAPP2125738506 Location: Lea Co., NM PLSS: U/L "K", Sec. 36, T25S, R35E			Well/Borehole ID: BH-1 Coordinates (NAD 83): 32.083978,-103.321858 Drilling Date: 6/15/2022 Depth of Boring (ft): 105 Depth to Groundwater (ft): >105 Plugging Date: 6/20/2022			Drilling Company: Vision Resources Driller: Jason Maley (NM License #1833) Drilling Method: Air Rotary Logged By: Jason Maley Drafted By: B.J. Arguijo Draft Date: 7/7/2023		
Completion: N/A			Casing: N/A			Screen: N/A		
Comments: N/A								
Depth (ft)	Groundwater	Lithology	Material Description	Petroleum Odor	Petroleum Stain	PID Reading	Well Construction	
5			Silty sand with gravel, light brown	-	-	-	Open Hole	
10				-	-	-		
15				-	-	-		
20				-	-	-		
25			Small gravel with clay, light brown	-	-	-		
30				-	-	-		
35			Silty sand, light brown	-	-	-		
40				-	-	-		
45				-	-	-		
50				-	-	-		
55			Clay with sand, light brown	-	-	-		
60				-	-	-		
65				-	-	-		
70				-	-	-		
75			Fine sand with silty sand and trace clay, light brown	-	-	-		
80				-	-	-		
85			Very fine sand with silty sand and trace gravel, brown	-	-	-		
90				-	-	-		
95			Sand with clay, light brown	-	-	-		
100				-	-	-		
105			Clay with silty sand, light brown	-	-	-		
110			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual. • The exploratory soil boring was left open for 72 hours. No indications of inflow and/or accumulation of water were noted during the advancement of the soil boring.					
115								

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



Legend

- Site Location

Figure 4

Inferred Depth to Groundwater Trend Map
 Solaris Water Midstream, LLC
 Momentum 36 State SWD #1
 GPS: 32.084114°, -103.322372°
 Lea County



Drafted: bja

Checked: jwl

Date: 6/3/22



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)

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 6	Q 4	Q 16	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01920 POD1		CP	LE	4	3	4	31	25S	36E	660282	3550531	2009	101		
CP 01263 POD3		CP	LE	4	1	3	06	26S	36E	660038	3549729	2126	516	240	276
CP 01170 POD1		CP	LE	3	3	3	06	26S	36E	659282	3548984	2222	500	280	220
CP 01170 POD1	C	CP	LE	3	3	3	06	26S	36E	659282	3548984	2222	500	280	220

Average Depth to Water: **266 feet**

Minimum Depth: **240 feet**

Maximum Depth: **280 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 658326

Northing (Y): 3550990.56

Radius: 2414

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7/11/23 2:01 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)									
		(quarters are smallest to largest)				(NAD83 UTM in meters)					
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	CP 01920 POD1	4	3	4	31	25S	36E	660282	3550531		
Driller License: 1249		Driller Company:		ATKINS ENGINEERING ASSOC. INC.							
Driller Name: JACKIE D ATKINS											
Drill Start Date: 09/21/2022		Drill Finish Date:		09/21/2022		Plug Date:		09/26/2022			
Log File Date: 09/30/2022		PCW Rcv Date:				Source:					
Pump Type:		Pipe Discharge Size:				Estimated Yield:					
Casing Size:		Depth Well:		101 feet		Depth Water:					

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7/11/23 5:30 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP 01263	POD3	4	1	3	06	26S	36E	660038	3549729

x

Driller License: 1607 **Driller Company:** DURAN DRILLING

Driller Name: DURAN, LUIS (TONY)

Drill Start Date: 06/24/2015	Drill Finish Date: 06/28/2015	Plug Date:
Log File Date: 07/13/2015	PCW Rev Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield: 125 GPM
Casing Size: 10.00	Depth Well: 516 feet	Depth Water: 240 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	195	254	Other/Unknown
	350	384	Other/Unknown

x

Casing Perforations:	Top	Bottom
	215	515

x

Meter Number: 17862	Meter Make: MASTERMETER
Meter Serial Number: 8406997	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
08/31/2016	2016	422984	A	RPT		0
09/30/2016	2016	450658	A	RPT		8.493
10/31/2016	2016	471868	A	RPT		6.509
01/31/2017	2017	530694	A	RPT		18.053
02/28/2017	2017	548998	A	RPT		5.617
03/31/2017	2017	573114	A	RPT		7.401
04/30/2017	2017	601731	A	RPT		8.782
05/31/2017	2017	644889	A	RPT		13.245
06/30/2017	2017	695831	A	RPT		15.634
10/31/2017	2017	766114	A	RPT		21.569
11/30/2017	2017	791617	A	RPT		7.827
12/31/2017	2017	837665	A	RPT		14.132
01/31/2018	2018	851710	A	RPT		4.310
02/28/2018	2018	862587	A	RPT		3.338
03/31/2018	2018	912382	A	RPT		15.282
04/30/2018	2018	989932	A	RPT		23.799
05/31/2018	2018	993994	A	RPT		1.247
07/31/2018	2018	134731	R	RPT	Meter Rollover	43.191
08/31/2018	2018	146458	A	RPT		3.599

09/30/2018	2018	150575	A	RPT	1.263
10/31/2018	2018	192839	A	RPT	12.970
11/30/2018	2018	234964	A	RPT	12.928
12/31/2018	2018	303481	A	RPT	21.027
01/31/2019	2019	331189	A	RPT	8.503
04/30/2019	2019	331189	A	RPT	0
05/31/2019	2019	358913	A	RPT	8.508
06/30/2019	2019	365998	A	RPT	2.174
07/31/2019	2019	367658	A	RPT	0.509
09/30/2019	2019	367658	A	RPT	0
11/30/2019	2019	404034	A	RPT	11.163
02/29/2020	2020	456658	A	RPT	16.150
04/30/2020	2020	466461	A	RPT	3.008
05/31/2020	2020	466461	A	RPT	0
06/30/2020	2020	467261	A	RPT	0.246
09/30/2020	2020	514862	A	RPT	14.608
10/31/2020	2020	563996	A	RPT	15.079
12/31/2020	2020	623078	A	RPT	18.132

**YTD Meter Amounts:	Year	Amount
	2016	15.002
	2017	112.260
	2018	142.954
	2019	30.857
	2020	67.223

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10/19/21 1:00 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
CP 01170	POD1	3	3	3	06	26S	36E	659282	3548984

x

Driller License: 1682 **Driller Company:** HUNGRY HORSE, LLC.

Driller Name: JOHN NORRIES

Drill Start Date: 10/21/2013	Drill Finish Date: 11/11/2013	Plug Date:
Log File Date: 12/12/2013	PCW Rev Date: 02/26/2014	Source: Shallow
Pump Type: SUBMER	Pipe Discharge Size:	Estimated Yield: 250 GPM
Casing Size: 12.00	Depth Well: 500 feet	Depth Water: 280 feet

x

Water Bearing Stratifications:	Top	Bottom	Description
	330	420	Sandstone/Gravel/Conglomerate
	473	495	Sandstone/Gravel/Conglomerate

x

Casing Perforations:	Top	Bottom
	0	500

x

Meter Number: 17865	Meter Make: MASTERMETER
Meter Serial Number: 336502	Meter Multiplier: 100.0000
Number of Dials: 6	Meter Type: Diversion
Unit of Measure: Gallons	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
08/31/2016	2016	463574	A	RPT		0
09/30/2016	2016	492425	A	RPT		8.854
10/31/2016	2016	502068	A	RPT		2.959
01/31/2017	2017	553794	A	RPT		15.874
02/28/2017	2017	564372	A	RPT		3.246
03/31/2017	2017	576624	A	RPT		3.760
04/30/2017	2017	581107	A	RPT		1.376
05/31/2017	2017	592118	A	RPT		3.379
06/30/2017	2017	600437	A	RPT		2.553
10/31/2017	2017	662891	A	RPT		19.166
12/31/2017	2017	705971	A	RPT		13.221
01/31/2018	2018	721084	A	RPT		4.638
02/28/2018	2018	737990	A	RPT		5.188
03/31/2018	2018	749196	A	RPT		3.439
04/30/2018	2018	791184	A	RPT		12.886
05/31/2018	2018	837816	A	RPT		14.311
06/30/2018	2018	851794	A	RPT		4.290
07/31/2018	2018	891484	A	RPT		12.180
08/31/2018	2018	933967	A	RPT		13.038

09/30/2018	2018	971123	A	RPT	11.403
10/31/2018	2018	11374	R	RPT Meter Rollover	12.353
11/30/2018	2018	50992	A	RPT	12.158
12/31/2018	2018	94153	A	RPT	13.246
01/31/2019	2019	108730	A	RPT	4.474
04/30/2019	2019	109001	A	RPT	0.083
05/31/2019	2019	112864	A	RPT	1.186
06/30/2019	2019	112864	A	RPT	0
07/31/2019	2019	120459	A	RPT	2.331
08/30/2019	2019	124456	A	RPT	1.227
09/30/2019	2019	124456	A	RPT	0
02/29/2020	2020	149830	A	RPT	7.787
09/30/2020	2020	229376	A	RPT	24.412
10/31/2020	2020	244080	A	RPT	4.512
11/30/2020	2020	261882	A	RPT	5.463
03/31/2021	2021	306800	A	RPT	13.785

x

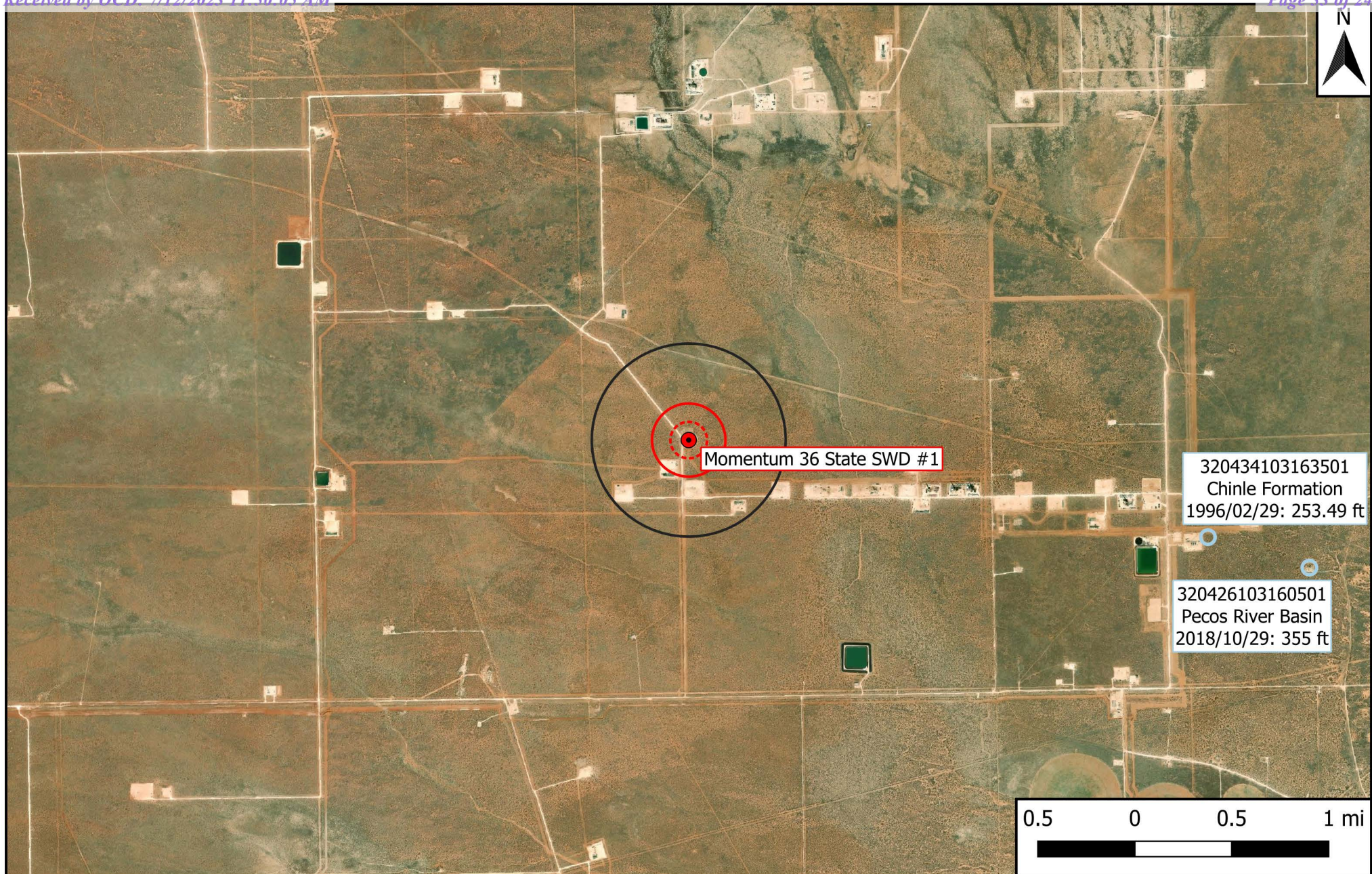
**YTD Meter Amounts:	Year	Amount
	2016	11.813
	2017	62.575
	2018	119.130
	2019	9.301
	2020	42.174
	2021	13.785

x

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10/19/21 1:00 PM

POINT OF DIVERSION SUMMARY



Legend

- Site Location
- Well - USGS
- ⋯ 500-Ft Radius
- ⬜ 1,000-Ft Radius
- ⬜ 0.5-Mi Radius

Figure 5

USGS Well Proximity Map
Solaris Water Midstream, LLC
Momentum 36 State SWD #1
GPS: 32.084114°, -103.322372°
Lea County



Drafted: bja

Checked: jwl

Date: 7/11/23



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Data Category:

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Geographic Area:

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Search Results -- 1 sites found

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site_no list =

- 320434103163501

Minimum number of levels = 1

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USGS 320434103163501 25S.36E.33.33323

Lea County, New Mexico

Latitude 32°04'34", Longitude 103°16'35" NAD27

Land-surface elevation 2,999 feet above NAVD88

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1970-12-10		D	72019	239.77			1	Z			A
1976-01-14		D	72019	245.26			1	Z			A
1981-03-26		D	72019	247.59			1	Z			A
1986-03-14		D	72019	248.71			1	Z			A
1991-06-11		D	72019	250.81			1	Z			A
1996-02-29		D	72019	253.49			1	S			A

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

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Data Category:
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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320426103160501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320426103160501 26S.36E.04.2332

Lea County, New Mexico
Latitude 32°04'25.8", Longitude 103°16'04.7" NAD83
Land-surface elevation 2,989 feet above NAVD88
The depth of the well is 5,300 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national 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
2012-11-29	20:00 UTC	m	72019	400.38			1	T	USGS	S	A
2013-06-25	18:30 UTC	m	72019	396.16			1	T	USGS	S	A
2013-09-10	17:45 UTC	m	72019	395.55			1	T	USGS	S	A
2013-12-03	20:10 UTC	m	72019	394.58			1	T	USGS	S	A
2014-03-18	17:35 UTC	m	72019	395.48			1	T	USGS	S	A
2014-07-01	18:15 UTC	m	72019	392.84			1	T	USGS	S	A
2014-09-30	17:55 UTC	m	72019	390.22			1	T	USGS	S	A
2014-12-02	18:40 UTC	m	72019	389.30			1	T	USGS	S	A
2015-03-27	19:00 UTC	m	72019	386.86			1	T	USGS	S	A
2015-05-19	18:00 UTC	m	72019	384.66			1	T	USGS	S	A
2015-09-29	17:40 UTC	m	72019	380.93			1	T	USGS	S	A

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
2015-12-02	19:00 UTC	m	72019	380.37			1	T	USGS	S	A
2016-03-21	21:40 UTC	m	72019	381.87			1	T	USGS	S	A
2016-09-22	20:25 UTC	m	72019	379.10			1	T	USGS	S	A
2016-12-13	19:45 UTC	m	72019	377.00			1	S	USBLM	A	A
2017-06-13	19:50 UTC	m	72019	368.99			1	S	USBLM	A	A
2017-10-19	20:35 UTC	m	72019	365.74			1	S	USBLM	A	A
2017-12-14	19:12 UTC	m	72019	366.03			1	V	USBLM	A	A
2018-03-27	18:44 UTC	m	72019	362.09			1	V	USBLM	A	A
2018-06-25	21:40 UTC	m	72019	360.32			1	V	USBLM	A	A
2018-10-29	19:10 UTC	m	72019	355.00			1	V	USBLM	A	A

Explanation

Section	Code	Description
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
Method of measurement	S	Steel-tape measurement.
Method of measurement	T	Electric-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Measuring agency	USBLM	U.S. Bureau of Land Management
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	A	Reported by another government agency (do not use "A" if reported by owner, use "O").
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>Page Contact Information: [USGS Water Data Support Team](#)

Appendix B

Field Data & Soil Profile Log

Sample Log

Date:

11/01/21

Project: Momentum 36 State SWD #1

Project Number: 15041

Latitude: 32.084114

Longitude: -103.322372

Sample ID	PID/Odor	Chloride Conc.	GPS
SP1 @ surface	-	72464	
SP1 @ 1'	-	72464 - Did not go to lab	
SP2 @ surface	-	72464	
SP2 @ 1'	-	1276 - Did not go to lab	
SP3 @ surface	-	72464	
SP3 @ 1'	-	72464 - Did not go to lab	
SP4 @ surface	-	72464	
SP4 @ 1'	-	72464 - Did not go to lab	
NH1 @ surface	-	412	
NH1 @ 1'	-	372	
EH1 @ surface	-	196	
EH1 @ 1'	-	<112	
EH2 @ surface	-	<112	
EH2 @ 1'	-	<112	
EH3 @ surface	-	<112	
EH3 @ 1'	-	<112	
SH1 @ surface	-	<112	
SH1 @ 1'	-	<112	
SH2 @ surface	-	196	
SH2 @ 1'	-	<112	
WH1 @ surface	-	196	
WH1 @ 1'	-	196	
WH2 @ surface	-	<112	
WH2 @ 1'	-	<112	
WH3 @ surface	-	<112	
WH3 @ 1'	-	<112	
SP1 @ 2'	-	72464 - Did not go to lab	
SP1 @ 3'	-	1816 - Did not go to lab	
SP2 @ 2'	-	596 - Did not go to lab	
SP2 @ 3'	-	1028 - Did not go to lab	
SP3 @ 2'	-	1276 - Did not go to lab	
SP3 @ 3'	-	1276 - Did not go to lab	
SP4 @ 2'	-	72464 - Did not go to lab	
SP4 @ 3'	-	72464 - Did not go to lab	
SP1 @ 4'-R	-	1028	
SP2 @ 4'-R	-	1028	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

SP3 @ 4'-R 704

SP4 @ 4'-R 72464



Soil Profile

Date: _____

Project: Momentum 36 State SWD #1

Project Number: 15041 Latitude: 32.084114 Longitude: -103.322372

Depth (ft. bgs)

Description


1	Caliche	1'-caliche pad
2	Top soil	2' Top soil
3		3' Top soil
4		4' Top soil
5		5' Caliche/Top soil
6		
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Appendix C

Photographic Log

Photographic Log

Photo Number: 1	 <p>Oct 18, 2021 at 11:58:03 AM +32.088481,-103.326699 ±5.00m 187° S</p>
Photo Direction: South	
Photo Description: View of the affected area.	

Photo Number: 2	 <p>Oct 18, 2021 at 11:58:06 AM +32.088481,-103.326699 ±5.00m 160° S</p>
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 3	 <p>Oct 18, 2021 at 12:21:35 PM +32.083922,-103.322198 ±5.00m 342° N</p>
Photo Direction: North-Northwest	
Photo Description: View of the affected area.	

Photo Number: 4	 <p>Oct 18, 2021 at 12:21:39 PM +32.083814,-103.322292 ±30.00m 29° NE</p>
Photo Direction: North-Northeast	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 5	
Photo Direction: East-Northeast	
Photo Description: View of the affected area.	

Photo Number: 6	
Photo Direction: North	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 7	
Photo Direction: Southwest	
Photo Description: View of the affected area.	

Photo Number: 8	
Photo Direction: Southeast	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 9	
Photo Direction: East-Southeast	
Photo Description: View of the affected area.	

Photo Number: 10	
Photo Direction: South-Southeast	
Photo Description: View of the affected area.	

Photographic Log


Photo Number: 11	
Photo Direction: Southeast	
Photo Description: View of the affected area.	

Photo Number: 12	
Photo Direction: Northwest	
Photo Description: View of the affected area.	

Photographic Log



Photo Number: 13	
Photo Direction: North	
Photo Description: View of the excavated area.	

Photo Number: 14	
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 15	 <p>Network time is not synchronized Local: Apr 29, 2022 at 7:39:35 AM MDT N 32° 5' 0.910", W 103° 19' 19.122" Jal NM 88252 United States</p>
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photo Number: 16	 <p>Network: Apr 25, 2022 at 3:10:58 PM CDT Local: Apr 25, 2022 at 3:10:58 PM CDT N 32° 4' 58.918", W 103° 19' 16.510" Jal NM 88252 United States</p>
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 17	
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photo Number: 18	
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Photographic Log



Photo Number: 19	
Photo Direction: South	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 20	
Photo Direction: Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log




Photo Number: 21	 <p>5/26/22, 7:23 AM +32.083909,-103.322218 NM, Jal</p>
Photo Direction: Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photo Number: 22	 <p>5/26/22, 7:29 AM +32.083825,-103.322320 NM, Jal</p>
Photo Direction: Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Photographic Log

Photo Number: 23	<div>5/26/22, 7:30 AM +32.083837,-103.321774 NM,Jal</div> 
Photo Direction: Southeast	
Photo Description: View of the remediated area after backfill and regrading.	

Appendix D

Laboratory Analytical Reports



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-7917-1

Laboratory Sample Delivery Group: Rural Lea Co, NM
Client Project/Site: Momentum 36 State SWD #1

For:

Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Attn: Joel Lowry

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
11/11/2021 1:27:09 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Laboratory Job ID: 880-7917-1
SDG: Rural Lea Co, NM

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
⌘	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Xenco, Midland

Case Narrative

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Job ID: 880-7917-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-7917-1

Receipt

The samples were received on 11/3/2021 11:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.7°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-11387 and analytical batch 880-11469 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: NH1 @ Surface

Lab Sample ID: 880-7917-1

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 22:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 22:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 22:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/04/21 22:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 22:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/04/21 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/03/21 15:14	11/04/21 22:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130	11/03/21 15:14	11/04/21 22:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 10:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 10:53	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 10:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	11/03/21 16:04	11/04/21 10:53	1
o-Terphenyl	93		70 - 130	11/03/21 16:04	11/04/21 10:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		4.99		mg/Kg			11/10/21 08:03	1

Client Sample ID: NH1 @ 1'

Lab Sample ID: 880-7917-2

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 22:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 22:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 22:57	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/03/21 15:14	11/04/21 22:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 22:57	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/03/21 15:14	11/04/21 22:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	11/03/21 15:14	11/04/21 22:57	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/03/21 15:14	11/04/21 22:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: NH1 @ 1'

Lab Sample ID: 880-7917-2

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 11:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 11:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 11:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				11/03/21 16:04	11/04/21 11:55	1
o-Terphenyl	91		70 - 130				11/03/21 16:04	11/04/21 11:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.4		4.98		mg/Kg			11/10/21 08:11	1

Client Sample ID: EH1 @ Surface

Lab Sample ID: 880-7917-3

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:18	1
Toluene	0.00308		0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/04/21 23:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/04/21 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				11/03/21 15:14	11/04/21 23:18	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/03/21 15:14	11/04/21 23:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 12:15	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: EH1 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-3

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 12:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 12:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/03/21 16:04	11/04/21 12:15	1
o-Terphenyl	95		70 - 130				11/03/21 16:04	11/04/21 12:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.6		4.95		mg/Kg			11/10/21 08:19	1

Client Sample ID: EH1 @ 1'

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Sample Depth: 1'

Lab Sample ID: 880-7917-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/04/21 23:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/04/21 23:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/04/21 23:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/03/21 15:14	11/04/21 23:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/04/21 23:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/03/21 15:14	11/04/21 23:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/03/21 15:14	11/04/21 23:38	1
1,4-Difluorobenzene (Surr)	104		70 - 130				11/03/21 15:14	11/04/21 23:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 12:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 12:36	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 12:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				11/03/21 16:04	11/04/21 12:36	1
o-Terphenyl	95		70 - 130				11/03/21 16:04	11/04/21 12:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10.5		4.99		mg/Kg			11/10/21 08:26	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: EH2 @ Surface

Lab Sample ID: 880-7917-5

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/04/21 23:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/04/21 23:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/04/21 23:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/03/21 15:14	11/04/21 23:59	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/03/21 15:14	11/04/21 23:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 12:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 12:59	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	11/03/21 16:04	11/04/21 12:59	1
o-Terphenyl	83		70 - 130	11/03/21 16:04	11/04/21 12:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.1		5.04		mg/Kg			11/10/21 08:49	1

Client Sample ID: EH2 @ 1'

Lab Sample ID: 880-7917-6

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:19	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/03/21 15:14	11/05/21 00:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:19	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/03/21 15:14	11/05/21 00:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	11/03/21 15:14	11/05/21 00:19	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/03/21 15:14	11/05/21 00:19	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: EH2 @ 1'

Lab Sample ID: 880-7917-6

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 13:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 13:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				11/03/21 16:04	11/04/21 13:20	1
o-Terphenyl	87		70 - 130				11/03/21 16:04	11/04/21 13:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.49		5.00		mg/Kg			11/10/21 08:57	1

Client Sample ID: EH3 @ Surface

Lab Sample ID: 880-7917-7

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/03/21 15:14	11/05/21 00:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:14	11/05/21 00:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/03/21 15:14	11/05/21 00:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130				11/03/21 15:14	11/05/21 00:39	1
1,4-Difluorobenzene (Surr)	71		70 - 130				11/03/21 15:14	11/05/21 00:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 13:41	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: EH3 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-7

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 13:41	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 13:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				11/03/21 16:04	11/04/21 13:41	1
o-Terphenyl	89		70 - 130				11/03/21 16:04	11/04/21 13:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.98		4.95		mg/Kg			11/10/21 09:05	1

Client Sample ID: EH3 @ 1'

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Sample Depth: 1'

Lab Sample ID: 880-7917-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/05/21 01:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/05/21 01:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/05/21 01:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/03/21 15:14	11/05/21 01:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/05/21 01:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/03/21 15:14	11/05/21 01:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				11/03/21 15:14	11/05/21 01:00	1
1,4-Difluorobenzene (Surr)	96		70 - 130				11/03/21 15:14	11/05/21 01:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 14:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 14:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				11/03/21 16:04	11/04/21 14:02	1
o-Terphenyl	103		70 - 130				11/03/21 16:04	11/04/21 14:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.63		4.97		mg/Kg			11/10/21 09:12	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SH1 @ Surface

Lab Sample ID: 880-7917-9

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/05/21 01:20	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/05/21 01:20	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/05/21 01:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/05/21 01:20	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:14	11/05/21 01:20	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:14	11/05/21 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/03/21 15:14	11/05/21 01:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130	11/03/21 15:14	11/05/21 01:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 14:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 14:22	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130	11/03/21 16:04	11/04/21 14:22	1
o-Terphenyl	92		70 - 130	11/03/21 16:04	11/04/21 14:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.45		4.98		mg/Kg			11/10/21 09:20	1

Client Sample ID: SH1 @ 1'

Lab Sample ID: 880-7917-10

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F2 F1	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:57	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:57	1
Ethylbenzene	<0.00200	U F2 F1	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:57	1
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.00401		mg/Kg		11/03/21 15:23	11/05/21 04:57	1
o-Xylene	<0.00200	U F2 F1	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:57	1
Xylenes, Total	<0.00401	U F2 F1	0.00401		mg/Kg		11/03/21 15:23	11/05/21 04:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	11/03/21 15:23	11/05/21 04:57	1
1,4-Difluorobenzene (Surr)	103		70 - 130	11/03/21 15:23	11/05/21 04:57	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SH1 @ 1'

Lab Sample ID: 880-7917-10

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 14:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 14:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/03/21 16:04	11/04/21 14:42	1
o-Terphenyl	97		70 - 130				11/03/21 16:04	11/04/21 14:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.1		4.95		mg/Kg			11/10/21 09:28	1

Client Sample ID: SH2 @ Surface

Lab Sample ID: 880-7917-11

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 05:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 05:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				11/03/21 15:23	11/05/21 05:17	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/03/21 15:23	11/05/21 05:17	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 15:24	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SH2 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-11

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				11/03/21 16:04	11/04/21 15:24	1
o-Terphenyl	95		70 - 130				11/03/21 16:04	11/04/21 15:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.1		5.04		mg/Kg			11/10/21 09:51	1

Client Sample ID: SH2 @ 1'

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Sample Depth: 1'

Lab Sample ID: 880-7917-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 05:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 05:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 05:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/03/21 15:23	11/05/21 05:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 05:37	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/03/21 15:23	11/05/21 05:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				11/03/21 15:23	11/05/21 05:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130				11/03/21 15:23	11/05/21 05:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 15:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				11/03/21 16:04	11/04/21 15:44	1
o-Terphenyl	95		70 - 130				11/03/21 16:04	11/04/21 15:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.10		5.01		mg/Kg			11/10/21 09:58	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: WH1 @ Surface

Lab Sample ID: 880-7917-13

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 05:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 05:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 05:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	11/03/21 15:23	11/05/21 05:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/03/21 15:23	11/05/21 05:58	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 16:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 16:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	11/03/21 16:04	11/04/21 16:04	1
o-Terphenyl	95		70 - 130	11/03/21 16:04	11/04/21 16:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.1		5.00		mg/Kg			11/10/21 10:21	1

Client Sample ID: WH1 @ 1'

Lab Sample ID: 880-7917-14

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:18	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:18	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:18	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/03/21 15:23	11/05/21 06:18	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:18	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/03/21 15:23	11/05/21 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/03/21 15:23	11/05/21 06:18	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/03/21 15:23	11/05/21 06:18	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: WH1 @ 1'

Lab Sample ID: 880-7917-14

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 16:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 16:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/03/21 16:04	11/04/21 16:25	1
o-Terphenyl	93		70 - 130				11/03/21 16:04	11/04/21 16:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.91		5.02		mg/Kg			11/10/21 10:29	1

Client Sample ID: WH2 @ Surface

Lab Sample ID: 880-7917-15

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/03/21 15:23	11/05/21 06:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 06:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/03/21 15:23	11/05/21 06:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				11/03/21 15:23	11/05/21 06:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130				11/03/21 15:23	11/05/21 06:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 16:45	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: WH2 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-15

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 16:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				11/03/21 16:04	11/04/21 16:45	1
o-Terphenyl	89		70 - 130				11/03/21 16:04	11/04/21 16:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.7		4.98		mg/Kg			11/10/21 10:37	1

Client Sample ID: WH2 @ 1'

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Sample Depth: 1'

Lab Sample ID: 880-7917-16

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/03/21 15:23	11/05/21 06:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/03/21 15:23	11/05/21 06:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/03/21 15:23	11/05/21 06:59	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/03/21 15:23	11/05/21 06:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/03/21 15:23	11/05/21 06:59	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/03/21 15:23	11/05/21 06:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130				11/03/21 15:23	11/05/21 06:59	1
1,4-Difluorobenzene (Surr)	80		70 - 130				11/03/21 15:23	11/05/21 06:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 17:05	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 17:05	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				11/03/21 16:04	11/04/21 17:05	1
o-Terphenyl	88		70 - 130				11/03/21 16:04	11/04/21 17:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.03		4.97		mg/Kg			11/10/21 10:44	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: WH3 @ Surface

Lab Sample ID: 880-7917-17

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 07:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 07:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 07:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/03/21 15:23	11/05/21 07:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 07:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/03/21 15:23	11/05/21 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	11/03/21 15:23	11/05/21 07:19	1
1,4-Difluorobenzene (Surr)	89		70 - 130	11/03/21 15:23	11/05/21 07:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 17:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 17:25	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	11/03/21 16:04	11/04/21 17:25	1
o-Terphenyl	83		70 - 130	11/03/21 16:04	11/04/21 17:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.4		4.95		mg/Kg			11/10/21 10:52	1

Client Sample ID: WH3 @ 1'

Lab Sample ID: 880-7917-18

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 07:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 07:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 07:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/03/21 15:23	11/05/21 07:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 07:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/03/21 15:23	11/05/21 07:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	11/03/21 15:23	11/05/21 07:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130	11/03/21 15:23	11/05/21 07:40	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: WH3 @ 1'

Lab Sample ID: 880-7917-18

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 1'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 17:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 17:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				11/03/21 16:04	11/04/21 17:46	1
o-Terphenyl	99		70 - 130				11/03/21 16:04	11/04/21 17:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.6		4.95		mg/Kg			11/10/21 18:32	1

Client Sample ID: SP1 @ Surface

Lab Sample ID: 880-7917-19

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 08:00	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 08:00	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 08:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/03/21 15:23	11/05/21 08:00	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/03/21 15:23	11/05/21 08:00	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/03/21 15:23	11/05/21 08:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				11/03/21 15:23	11/05/21 08:00	1
1,4-Difluorobenzene (Surr)	117		70 - 130				11/03/21 15:23	11/05/21 08:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 18:06	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP1 @ Surface

Lab Sample ID: 880-7917-19

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 18:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 16:04	11/04/21 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				11/03/21 16:04	11/04/21 18:06	1
o-Terphenyl	96		70 - 130				11/03/21 16:04	11/04/21 18:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25700		252		mg/Kg			11/10/21 18:55	50

Client Sample ID: SP1 @ 4'-R

Lab Sample ID: 880-7917-20

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 09:50	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 09:50	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 09:50	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/03/21 15:23	11/05/21 09:50	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 09:50	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/03/21 15:23	11/05/21 09:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				11/03/21 15:23	11/05/21 09:50	1
1,4-Difluorobenzene (Surr)	102		70 - 130				11/03/21 15:23	11/05/21 09:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 18:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 18:25	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/21 16:04	11/04/21 18:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				11/03/21 16:04	11/04/21 18:25	1
o-Terphenyl	100		70 - 130				11/03/21 16:04	11/04/21 18:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24800		249		mg/Kg			11/10/21 19:02	50

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP2 @ Surface

Lab Sample ID: 880-7917-21

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:10	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:10	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 10:10	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:10	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 10:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	11/03/21 15:23	11/05/21 10:10	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/03/21 15:23	11/05/21 10:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 14:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 14:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	11/03/21 13:58	11/04/21 14:02	1
o-Terphenyl	100		70 - 130	11/03/21 13:58	11/04/21 14:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	556		4.95		mg/Kg			11/10/21 19:09	1

Client Sample ID: SP2 @ 4'-R

Lab Sample ID: 880-7917-22

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 10:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 10:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 10:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/03/21 15:23	11/05/21 10:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 10:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/03/21 15:23	11/05/21 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/03/21 15:23	11/05/21 10:30	1
1,4-Difluorobenzene (Surr)	106		70 - 130	11/03/21 15:23	11/05/21 10:30	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP2 @ 4'-R

Lab Sample ID: 880-7917-22

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 14:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 14:22	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				11/03/21 13:58	11/04/21 14:22	1
o-Terphenyl	82		70 - 130				11/03/21 13:58	11/04/21 14:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	539		4.97		mg/Kg			11/10/21 19:17	1

Client Sample ID: SP3 @ Surface

Lab Sample ID: 880-7917-23

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 10:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 10:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 10:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130				11/03/21 15:23	11/05/21 10:51	1
1,4-Difluorobenzene (Surr)	105		70 - 130				11/03/21 15:23	11/05/21 10:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/03/21 13:58	11/04/21 14:42	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP3 @ Surface

Lab Sample ID: 880-7917-23

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/03/21 13:58	11/04/21 14:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/03/21 13:58	11/04/21 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				11/03/21 13:58	11/04/21 14:42	1
o-Terphenyl	86		70 - 130				11/03/21 13:58	11/04/21 14:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7410		99.8		mg/Kg			11/10/21 19:39	20

Client Sample ID: SP3 @ 4'-R

Lab Sample ID: 880-7917-24

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 11:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 11:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 11:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/03/21 15:23	11/05/21 11:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 11:11	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/03/21 15:23	11/05/21 11:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				11/03/21 15:23	11/05/21 11:11	1
1,4-Difluorobenzene (Surr)	104		70 - 130				11/03/21 15:23	11/05/21 11:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 15:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 15:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 15:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130				11/03/21 13:58	11/04/21 15:24	1
o-Terphenyl	83		70 - 130				11/03/21 13:58	11/04/21 15:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	317		4.98		mg/Kg			11/10/21 19:46	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP4 @ Surface

Lab Sample ID: 880-7917-25

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 11:32	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 11:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 11:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/03/21 15:23	11/05/21 11:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/03/21 15:23	11/05/21 11:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/03/21 15:23	11/05/21 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/03/21 15:23	11/05/21 11:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130	11/03/21 15:23	11/05/21 11:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 15:44	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 15:44	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	11/03/21 13:58	11/04/21 15:44	1
o-Terphenyl	84		70 - 130	11/03/21 13:58	11/04/21 15:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4270		25.0		mg/Kg			11/10/21 19:53	5

Client Sample ID: SP4 @ 4'-R

Lab Sample ID: 880-7917-26

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 11:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 11:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 11:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 11:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/03/21 15:23	11/05/21 11:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/03/21 15:23	11/05/21 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/03/21 15:23	11/05/21 11:52	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/03/21 15:23	11/05/21 11:52	1

Eurofins Xenco, Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP4 @ 4'-R

Lab Sample ID: 880-7917-26

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/10/21 11:00	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/09/21 16:19	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 16:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 16:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/03/21 13:58	11/04/21 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				11/03/21 13:58	11/04/21 16:04	1
o-Terphenyl	88		70 - 130				11/03/21 13:58	11/04/21 16:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1910		25.0		mg/Kg			11/10/21 20:01	5

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-7917-1	NH1 @ Surface	117	96
880-7917-2	NH1 @ 1'	118	100
880-7917-3	EH1 @ Surface	119	96
880-7917-4	EH1 @ 1'	103	104
880-7917-5	EH2 @ Surface	124	109
880-7917-6	EH2 @ 1'	119	101
880-7917-7	EH3 @ Surface	100	71
880-7917-8	EH3 @ 1'	125	96
880-7917-9	SH1 @ Surface	117	101
880-7917-10	SH1 @ 1'	115	103
880-7917-10 MS	SH1 @ 1'	129	109
880-7917-10 MSD	SH1 @ 1'	129	111
880-7917-11	SH2 @ Surface	117	102
880-7917-12	SH2 @ 1'	116	97
880-7917-13	WH1 @ Surface	120	97
880-7917-14	WH1 @ 1'	113	100
880-7917-15	WH2 @ Surface	127	100
880-7917-16	WH2 @ 1'	83	80
880-7917-17	WH3 @ Surface	88	89
880-7917-18	WH3 @ 1'	119	97
880-7917-19	SP1 @ Surface	120	117
880-7917-20	SP1 @ 4'-R	117	102
880-7917-21	SP2 @ Surface	118	107
880-7917-22	SP2 @ 4'-R	117	106
880-7917-23	SP3 @ Surface	139 S1+	105
880-7917-24	SP3 @ 4'-R	113	104
880-7917-25	SP4 @ Surface	124	107
880-7917-26	SP4 @ 4'-R	117	108
LCS 880-11386/1-A	Lab Control Sample	114	103
LCS 880-11387/1-A	Lab Control Sample	106	97
LCSD 880-11386/2-A	Lab Control Sample Dup	116	102
LCSD 880-11387/2-A	Lab Control Sample Dup	106	92
MB 880-11386/5-A	Method Blank	124	109
MB 880-11387/5-A	Method Blank	117	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-7917-1	NH1 @ Surface	85	93
880-7917-1 MS	NH1 @ Surface	93	89
880-7917-1 MSD	NH1 @ Surface	95	89
880-7917-2	NH1 @ 1'	84	91
880-7917-3	EH1 @ Surface	89	95

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Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-7917-4	EH1 @ 1'	88	95
880-7917-5	EH2 @ Surface	78	83
880-7917-6	EH2 @ 1'	83	87
880-7917-7	EH3 @ Surface	85	89
880-7917-8	EH3 @ 1'	96	103
880-7917-9	SH1 @ Surface	86	92
880-7917-10	SH1 @ 1'	90	97
880-7917-11	SH2 @ Surface	87	95
880-7917-12	SH2 @ 1'	88	95
880-7917-13	WH1 @ Surface	90	95
880-7917-14	WH1 @ 1'	89	93
880-7917-15	WH2 @ Surface	85	89
880-7917-16	WH2 @ 1'	82	88
880-7917-17	WH3 @ Surface	77	83
880-7917-18	WH3 @ 1'	89	99
880-7917-19	SP1 @ Surface	86	96
880-7917-20	SP1 @ 4'-R	91	100
880-7917-21	SP2 @ Surface	94	100
880-7917-22	SP2 @ 4'-R	81	82
880-7917-23	SP3 @ Surface	82	86
880-7917-24	SP3 @ 4'-R	82	83
880-7917-25	SP4 @ Surface	84	84
880-7917-26	SP4 @ 4'-R	90	88
890-1502-A-121-F MS	Matrix Spike	100	92
890-1502-A-121-G MSD	Matrix Spike Duplicate	92	84
LCS 880-11376/2-A	Lab Control Sample	108	88
LCS 880-11391/2-A	Lab Control Sample	86	86
LCSD 880-11376/3-A	Lab Control Sample Dup	103	95
LCSD 880-11391/3-A	Lab Control Sample Dup	82	81
MB 880-11376/1-A	Method Blank	89	94
MB 880-11391/1-A	Method Blank	89	105

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-11386/5-A

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 16:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 16:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 16:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/03/21 15:14	11/04/21 16:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:14	11/04/21 16:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/03/21 15:14	11/04/21 16:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	11/03/21 15:14	11/04/21 16:56	1
1,4-Difluorobenzene (Surr)	109		70 - 130	11/03/21 15:14	11/04/21 16:56	1

Lab Sample ID: LCS 880-11386/1-A

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11386

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08306		mg/Kg		83	70 - 130
Toluene	0.100	0.08809		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09275		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.1835		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09381		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-11386/2-A

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 11386

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.07556		mg/Kg		76	70 - 130	9	35
Toluene	0.100	0.08786		mg/Kg		88	70 - 130	0	35
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1890		mg/Kg		94	70 - 130	3	35
o-Xylene	0.100	0.09230		mg/Kg		92	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-11387/5-A

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:28	1

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-11387/5-A

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11387

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/03/21 15:23	11/05/21 04:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/03/21 15:23	11/05/21 04:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/03/21 15:23	11/05/21 04:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	11/03/21 15:23	11/05/21 04:28	1
1,4-Difluorobenzene (Surr)	100		70 - 130	11/03/21 15:23	11/05/21 04:28	1

Lab Sample ID: LCS 880-11387/1-A

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11387

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07396		mg/Kg		74	70 - 130
Toluene	0.100	0.07820		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.08094		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	0.200	0.1603		mg/Kg		80	70 - 130
o-Xylene	0.100	0.08280		mg/Kg		83	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-11387/2-A

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 11387

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.07937		mg/Kg		79	70 - 130	7	35
Toluene	0.100	0.08601		mg/Kg		86	70 - 130	10	35
Ethylbenzene	0.100	0.09638		mg/Kg		96	70 - 130	17	35
m-Xylene & p-Xylene	0.200	0.1878		mg/Kg		94	70 - 130	16	35
o-Xylene	0.100	0.08890		mg/Kg		89	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 880-7917-10 MS

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: SH1 @ 1'

Prep Type: Total/NA

Prep Batch: 11387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F2 F1	0.0994	0.07460		mg/Kg		74	70 - 130
Toluene	<0.00200	U F1	0.0994	0.07676		mg/Kg		76	70 - 130
Ethylbenzene	<0.00200	U F2 F1	0.0994	0.08239		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.199	0.1574		mg/Kg		79	70 - 130

Eurofins Xenco, Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-7917-10 MS

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: SH1 @ 1'

Prep Type: Total/NA

Prep Batch: 11387

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	<0.00200	U F2 F1	0.0994	0.07701		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

Lab Sample ID: 880-7917-10 MSD

Matrix: Solid

Analysis Batch: 11469

Client Sample ID: SH1 @ 1'

Prep Type: Total/NA

Prep Batch: 11387

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00200	U F2 F1	0.0998	0.02808	F2 F1	mg/Kg		27	70 - 130	91	35
Toluene	<0.00200	U F1	0.0998	0.05450	F1	mg/Kg		53	70 - 130	34	35
Ethylbenzene	<0.00200	U F2 F1	0.0998	0.04215	F2 F1	mg/Kg		42	70 - 130	65	35
m-Xylene & p-Xylene	<0.00401	U F2 F1	0.200	0.08400	F2 F1	mg/Kg		42	70 - 130	61	35
o-Xylene	<0.00200	U F2 F1	0.0998	0.04830	F2 F1	mg/Kg		48	70 - 130	46	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-11376/1-A

Matrix: Solid

Analysis Batch: 11414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 09:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 09:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 13:58	11/04/21 09:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	11/03/21 13:58	11/04/21 09:53	1
o-Terphenyl	94		70 - 130	11/03/21 13:58	11/04/21 09:53	1

Lab Sample ID: LCS 880-11376/2-A

Matrix: Solid

Analysis Batch: 11414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	977.8		mg/Kg		98	70 - 130
Diesel Range Organics (Over C10-C28)	1000	838.1		mg/Kg		84	70 - 130

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-11376/2-A

Matrix: Solid

Analysis Batch: 11414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11376

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-11376/3-A

Matrix: Solid

Analysis Batch: 11414

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 11376

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	965.5		mg/Kg		97	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	913.0		mg/Kg		91	70 - 130	9	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	95		70 - 130

Lab Sample ID: 890-1502-A-121-F MS

Matrix: Solid

Analysis Batch: 11414

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 11376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1036		mg/Kg		101	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	863.0		mg/Kg		84	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-1502-A-121-G MSD

Matrix: Solid

Analysis Batch: 11414

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 11376

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	954.6		mg/Kg		93	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	789.2		mg/Kg		77	70 - 130	9	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	84		70 - 130

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-11391/1-A

Matrix: Solid

Analysis Batch: 11412

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11391

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 09:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 09:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/03/21 16:04	11/04/21 09:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	11/03/21 16:04	11/04/21 09:53	1
o-Terphenyl	105		70 - 130	11/03/21 16:04	11/04/21 09:53	1

Lab Sample ID: LCS 880-11391/2-A

Matrix: Solid

Analysis Batch: 11412

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	941.3		mg/Kg		94	70 - 130
Diesel Range Organics (Over C10-C28)	1000	739.6		mg/Kg		74	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: LCSD 880-11391/3-A

Matrix: Solid

Analysis Batch: 11412

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 11391

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	922.0		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	709.3		mg/Kg		71	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	81		70 - 130

Lab Sample ID: 880-7917-1 MS

Matrix: Solid

Analysis Batch: 11412

Client Sample ID: NH1 @ Surface

Prep Type: Total/NA

Prep Batch: 11391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1229		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	924.8		mg/Kg		93	70 - 130

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-7917-1 MS

Matrix: Solid

Analysis Batch: 11412

Client Sample ID: NH1 @ Surface

Prep Type: Total/NA

Prep Batch: 11391

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 880-7917-1 MSD

Matrix: Solid

Analysis Batch: 11412

Client Sample ID: NH1 @ Surface

Prep Type: Total/NA

Prep Batch: 11391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1226		mg/Kg		123	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	950.6		mg/Kg		95	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								
o-Terphenyl	89		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-11182/1-A

Matrix: Solid

Analysis Batch: 11708

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/10/21 07:17	1

Lab Sample ID: LCS 880-11182/2-A

Matrix: Solid

Analysis Batch: 11708

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	250	261.3		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-11182/3-A

Matrix: Solid

Analysis Batch: 11708

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	260.7		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 880-7917-10 MS

Matrix: Solid

Analysis Batch: 11708

Client Sample ID: SH1 @ 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	13.1		248	263.0		mg/Kg		101	90 - 110		

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-7917-10 MSD

Matrix: Solid

Analysis Batch: 11708

Client Sample ID: SH1 @ 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	13.1		248	269.7		mg/Kg		104	90 - 110	3	20

Lab Sample ID: MB 880-11468/1-A

Matrix: Solid

Analysis Batch: 11846

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/10/21 18:10	1

Lab Sample ID: LCS 880-11468/2-A

Matrix: Solid

Analysis Batch: 11846

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	264.7		mg/Kg		106	90 - 110

Lab Sample ID: LCSD 880-11468/3-A

Matrix: Solid

Analysis Batch: 11846

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	263.3		mg/Kg		105	90 - 110	1	20

Lab Sample ID: 880-7917-18 MS

Matrix: Solid

Analysis Batch: 11846

Client Sample ID: WH3 @ 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	17.6		248	271.5		mg/Kg		103	90 - 110

Lab Sample ID: 880-7917-18 MSD

Matrix: Solid

Analysis Batch: 11846

Client Sample ID: WH3 @ 1'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	17.6		248	249.8		mg/Kg		94	90 - 110	8	20

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

GC VOA

Prep Batch: 11386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Total/NA	Solid	5035	
880-7917-2	NH1 @ 1'	Total/NA	Solid	5035	
880-7917-3	EH1 @ Surface	Total/NA	Solid	5035	
880-7917-4	EH1 @ 1'	Total/NA	Solid	5035	
880-7917-5	EH2 @ Surface	Total/NA	Solid	5035	
880-7917-6	EH2 @ 1'	Total/NA	Solid	5035	
880-7917-7	EH3 @ Surface	Total/NA	Solid	5035	
880-7917-8	EH3 @ 1'	Total/NA	Solid	5035	
880-7917-9	SH1 @ Surface	Total/NA	Solid	5035	
MB 880-11386/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-11386/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-11386/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 11387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-10	SH1 @ 1'	Total/NA	Solid	5035	
880-7917-11	SH2 @ Surface	Total/NA	Solid	5035	
880-7917-12	SH2 @ 1'	Total/NA	Solid	5035	
880-7917-13	WH1 @ Surface	Total/NA	Solid	5035	
880-7917-14	WH1 @ 1'	Total/NA	Solid	5035	
880-7917-15	WH2 @ Surface	Total/NA	Solid	5035	
880-7917-16	WH2 @ 1'	Total/NA	Solid	5035	
880-7917-17	WH3 @ Surface	Total/NA	Solid	5035	
880-7917-18	WH3 @ 1'	Total/NA	Solid	5035	
880-7917-19	SP1 @ Surface	Total/NA	Solid	5035	
880-7917-20	SP1 @ 4'-R	Total/NA	Solid	5035	
880-7917-21	SP2 @ Surface	Total/NA	Solid	5035	
880-7917-22	SP2 @ 4'-R	Total/NA	Solid	5035	
880-7917-23	SP3 @ Surface	Total/NA	Solid	5035	
880-7917-24	SP3 @ 4'-R	Total/NA	Solid	5035	
880-7917-25	SP4 @ Surface	Total/NA	Solid	5035	
880-7917-26	SP4 @ 4'-R	Total/NA	Solid	5035	
MB 880-11387/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-11387/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-11387/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7917-10 MS	SH1 @ 1'	Total/NA	Solid	5035	
880-7917-10 MSD	SH1 @ 1'	Total/NA	Solid	5035	

Analysis Batch: 11469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Total/NA	Solid	8021B	11386
880-7917-2	NH1 @ 1'	Total/NA	Solid	8021B	11386
880-7917-3	EH1 @ Surface	Total/NA	Solid	8021B	11386
880-7917-4	EH1 @ 1'	Total/NA	Solid	8021B	11386
880-7917-5	EH2 @ Surface	Total/NA	Solid	8021B	11386
880-7917-6	EH2 @ 1'	Total/NA	Solid	8021B	11386
880-7917-7	EH3 @ Surface	Total/NA	Solid	8021B	11386
880-7917-8	EH3 @ 1'	Total/NA	Solid	8021B	11386
880-7917-9	SH1 @ Surface	Total/NA	Solid	8021B	11386
880-7917-10	SH1 @ 1'	Total/NA	Solid	8021B	11387
880-7917-11	SH2 @ Surface	Total/NA	Solid	8021B	11387

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

GC VOA (Continued)

Analysis Batch: 11469 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-12	SH2 @ 1'	Total/NA	Solid	8021B	11387
880-7917-13	WH1 @ Surface	Total/NA	Solid	8021B	11387
880-7917-14	WH1 @ 1'	Total/NA	Solid	8021B	11387
880-7917-15	WH2 @ Surface	Total/NA	Solid	8021B	11387
880-7917-16	WH2 @ 1'	Total/NA	Solid	8021B	11387
880-7917-17	WH3 @ Surface	Total/NA	Solid	8021B	11387
880-7917-18	WH3 @ 1'	Total/NA	Solid	8021B	11387
880-7917-19	SP1 @ Surface	Total/NA	Solid	8021B	11387
880-7917-20	SP1 @ 4'-R	Total/NA	Solid	8021B	11387
880-7917-21	SP2 @ Surface	Total/NA	Solid	8021B	11387
880-7917-22	SP2 @ 4'-R	Total/NA	Solid	8021B	11387
880-7917-23	SP3 @ Surface	Total/NA	Solid	8021B	11387
880-7917-24	SP3 @ 4'-R	Total/NA	Solid	8021B	11387
880-7917-25	SP4 @ Surface	Total/NA	Solid	8021B	11387
880-7917-26	SP4 @ 4'-R	Total/NA	Solid	8021B	11387
MB 880-11386/5-A	Method Blank	Total/NA	Solid	8021B	11386
MB 880-11387/5-A	Method Blank	Total/NA	Solid	8021B	11387
LCS 880-11386/1-A	Lab Control Sample	Total/NA	Solid	8021B	11386
LCS 880-11387/1-A	Lab Control Sample	Total/NA	Solid	8021B	11387
LCSD 880-11386/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	11386
LCSD 880-11387/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	11387
880-7917-10 MS	SH1 @ 1'	Total/NA	Solid	8021B	11387
880-7917-10 MSD	SH1 @ 1'	Total/NA	Solid	8021B	11387

Analysis Batch: 11890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-2	NH1 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-3	EH1 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-4	EH1 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-5	EH2 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-6	EH2 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-7	EH3 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-8	EH3 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-9	SH1 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-10	SH1 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-11	SH2 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-12	SH2 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-13	WH1 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-14	WH1 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-15	WH2 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-16	WH2 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-17	WH3 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-18	WH3 @ 1'	Total/NA	Solid	Total BTEX	
880-7917-19	SP1 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-20	SP1 @ 4'-R	Total/NA	Solid	Total BTEX	
880-7917-21	SP2 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-22	SP2 @ 4'-R	Total/NA	Solid	Total BTEX	
880-7917-23	SP3 @ Surface	Total/NA	Solid	Total BTEX	
880-7917-24	SP3 @ 4'-R	Total/NA	Solid	Total BTEX	
880-7917-25	SP4 @ Surface	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

GC VOA (Continued)

Analysis Batch: 11890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-26	SP4 @ 4'-R	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 11376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-21	SP2 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-22	SP2 @ 4'-R	Total/NA	Solid	8015NM Prep	
880-7917-23	SP3 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-24	SP3 @ 4'-R	Total/NA	Solid	8015NM Prep	
880-7917-25	SP4 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-26	SP4 @ 4'-R	Total/NA	Solid	8015NM Prep	
MB 880-11376/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-11376/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-11376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1502-A-121-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1502-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 11391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-2	NH1 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-3	EH1 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-4	EH1 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-5	EH2 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-6	EH2 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-7	EH3 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-8	EH3 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-9	SH1 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-10	SH1 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-11	SH2 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-12	SH2 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-13	WH1 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-14	WH1 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-15	WH2 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-16	WH2 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-17	WH3 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-18	WH3 @ 1'	Total/NA	Solid	8015NM Prep	
880-7917-19	SP1 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-20	SP1 @ 4'-R	Total/NA	Solid	8015NM Prep	
MB 880-11391/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-11391/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-11391/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-7917-1 MS	NH1 @ Surface	Total/NA	Solid	8015NM Prep	
880-7917-1 MSD	NH1 @ Surface	Total/NA	Solid	8015NM Prep	

Analysis Batch: 11412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-2	NH1 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-3	EH1 @ Surface	Total/NA	Solid	8015B NM	11391

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 11412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-4	EH1 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-5	EH2 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-6	EH2 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-7	EH3 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-8	EH3 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-9	SH1 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-10	SH1 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-11	SH2 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-12	SH2 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-13	WH1 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-14	WH1 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-15	WH2 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-16	WH2 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-17	WH3 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-18	WH3 @ 1'	Total/NA	Solid	8015B NM	11391
880-7917-19	SP1 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-20	SP1 @ 4'-R	Total/NA	Solid	8015B NM	11391
MB 880-11391/1-A	Method Blank	Total/NA	Solid	8015B NM	11391
LCS 880-11391/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	11391
LCSD 880-11391/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	11391
880-7917-1 MS	NH1 @ Surface	Total/NA	Solid	8015B NM	11391
880-7917-1 MSD	NH1 @ Surface	Total/NA	Solid	8015B NM	11391

Analysis Batch: 11414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-21	SP2 @ Surface	Total/NA	Solid	8015B NM	11376
880-7917-22	SP2 @ 4'-R	Total/NA	Solid	8015B NM	11376
880-7917-23	SP3 @ Surface	Total/NA	Solid	8015B NM	11376
880-7917-24	SP3 @ 4'-R	Total/NA	Solid	8015B NM	11376
880-7917-25	SP4 @ Surface	Total/NA	Solid	8015B NM	11376
880-7917-26	SP4 @ 4'-R	Total/NA	Solid	8015B NM	11376
MB 880-11376/1-A	Method Blank	Total/NA	Solid	8015B NM	11376
LCS 880-11376/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	11376
LCSD 880-11376/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	11376
890-1502-A-121-F MS	Matrix Spike	Total/NA	Solid	8015B NM	11376
890-1502-A-121-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	11376

Analysis Batch: 11856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Total/NA	Solid	8015 NM	
880-7917-2	NH1 @ 1'	Total/NA	Solid	8015 NM	
880-7917-3	EH1 @ Surface	Total/NA	Solid	8015 NM	
880-7917-4	EH1 @ 1'	Total/NA	Solid	8015 NM	
880-7917-5	EH2 @ Surface	Total/NA	Solid	8015 NM	
880-7917-6	EH2 @ 1'	Total/NA	Solid	8015 NM	
880-7917-7	EH3 @ Surface	Total/NA	Solid	8015 NM	
880-7917-8	EH3 @ 1'	Total/NA	Solid	8015 NM	
880-7917-9	SH1 @ Surface	Total/NA	Solid	8015 NM	
880-7917-10	SH1 @ 1'	Total/NA	Solid	8015 NM	
880-7917-11	SH2 @ Surface	Total/NA	Solid	8015 NM	
880-7917-12	SH2 @ 1'	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

GC Semi VOA (Continued)

Analysis Batch: 11856 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-13	WH1 @ Surface	Total/NA	Solid	8015 NM	
880-7917-14	WH1 @ 1'	Total/NA	Solid	8015 NM	
880-7917-15	WH2 @ Surface	Total/NA	Solid	8015 NM	
880-7917-16	WH2 @ 1'	Total/NA	Solid	8015 NM	
880-7917-17	WH3 @ Surface	Total/NA	Solid	8015 NM	
880-7917-18	WH3 @ 1'	Total/NA	Solid	8015 NM	
880-7917-19	SP1 @ Surface	Total/NA	Solid	8015 NM	
880-7917-20	SP1 @ 4'-R	Total/NA	Solid	8015 NM	
880-7917-21	SP2 @ Surface	Total/NA	Solid	8015 NM	
880-7917-22	SP2 @ 4'-R	Total/NA	Solid	8015 NM	
880-7917-23	SP3 @ Surface	Total/NA	Solid	8015 NM	
880-7917-24	SP3 @ 4'-R	Total/NA	Solid	8015 NM	
880-7917-25	SP4 @ Surface	Total/NA	Solid	8015 NM	
880-7917-26	SP4 @ 4'-R	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 11182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Soluble	Solid	DI Leach	
880-7917-2	NH1 @ 1'	Soluble	Solid	DI Leach	
880-7917-3	EH1 @ Surface	Soluble	Solid	DI Leach	
880-7917-4	EH1 @ 1'	Soluble	Solid	DI Leach	
880-7917-5	EH2 @ Surface	Soluble	Solid	DI Leach	
880-7917-6	EH2 @ 1'	Soluble	Solid	DI Leach	
880-7917-7	EH3 @ Surface	Soluble	Solid	DI Leach	
880-7917-8	EH3 @ 1'	Soluble	Solid	DI Leach	
880-7917-9	SH1 @ Surface	Soluble	Solid	DI Leach	
880-7917-10	SH1 @ 1'	Soluble	Solid	DI Leach	
880-7917-11	SH2 @ Surface	Soluble	Solid	DI Leach	
880-7917-12	SH2 @ 1'	Soluble	Solid	DI Leach	
880-7917-13	WH1 @ Surface	Soluble	Solid	DI Leach	
880-7917-14	WH1 @ 1'	Soluble	Solid	DI Leach	
880-7917-15	WH2 @ Surface	Soluble	Solid	DI Leach	
880-7917-16	WH2 @ 1'	Soluble	Solid	DI Leach	
880-7917-17	WH3 @ Surface	Soluble	Solid	DI Leach	
MB 880-11182/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-11182/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-11182/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7917-10 MS	SH1 @ 1'	Soluble	Solid	DI Leach	
880-7917-10 MSD	SH1 @ 1'	Soluble	Solid	DI Leach	

Leach Batch: 11468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-18	WH3 @ 1'	Soluble	Solid	DI Leach	
880-7917-19	SP1 @ Surface	Soluble	Solid	DI Leach	
880-7917-20	SP1 @ 4'-R	Soluble	Solid	DI Leach	
880-7917-21	SP2 @ Surface	Soluble	Solid	DI Leach	
880-7917-22	SP2 @ 4'-R	Soluble	Solid	DI Leach	
880-7917-23	SP3 @ Surface	Soluble	Solid	DI Leach	
880-7917-24	SP3 @ 4'-R	Soluble	Solid	DI Leach	

Eurofins Xenco, Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

HPLC/IC (Continued)

Leach Batch: 11468 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-25	SP4 @ Surface	Soluble	Solid	DI Leach	
880-7917-26	SP4 @ 4'-R	Soluble	Solid	DI Leach	
MB 880-11468/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-11468/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-11468/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-7917-18 MS	WH3 @ 1'	Soluble	Solid	DI Leach	
880-7917-18 MSD	WH3 @ 1'	Soluble	Solid	DI Leach	

Analysis Batch: 11708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-1	NH1 @ Surface	Soluble	Solid	300.0	11182
880-7917-2	NH1 @ 1'	Soluble	Solid	300.0	11182
880-7917-3	EH1 @ Surface	Soluble	Solid	300.0	11182
880-7917-4	EH1 @ 1'	Soluble	Solid	300.0	11182
880-7917-5	EH2 @ Surface	Soluble	Solid	300.0	11182
880-7917-6	EH2 @ 1'	Soluble	Solid	300.0	11182
880-7917-7	EH3 @ Surface	Soluble	Solid	300.0	11182
880-7917-8	EH3 @ 1'	Soluble	Solid	300.0	11182
880-7917-9	SH1 @ Surface	Soluble	Solid	300.0	11182
880-7917-10	SH1 @ 1'	Soluble	Solid	300.0	11182
880-7917-11	SH2 @ Surface	Soluble	Solid	300.0	11182
880-7917-12	SH2 @ 1'	Soluble	Solid	300.0	11182
880-7917-13	WH1 @ Surface	Soluble	Solid	300.0	11182
880-7917-14	WH1 @ 1'	Soluble	Solid	300.0	11182
880-7917-15	WH2 @ Surface	Soluble	Solid	300.0	11182
880-7917-16	WH2 @ 1'	Soluble	Solid	300.0	11182
880-7917-17	WH3 @ Surface	Soluble	Solid	300.0	11182
MB 880-11182/1-A	Method Blank	Soluble	Solid	300.0	11182
LCS 880-11182/2-A	Lab Control Sample	Soluble	Solid	300.0	11182
LCSD 880-11182/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	11182
880-7917-10 MS	SH1 @ 1'	Soluble	Solid	300.0	11182
880-7917-10 MSD	SH1 @ 1'	Soluble	Solid	300.0	11182

Analysis Batch: 11846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-7917-18	WH3 @ 1'	Soluble	Solid	300.0	11468
880-7917-19	SP1 @ Surface	Soluble	Solid	300.0	11468
880-7917-20	SP1 @ 4'-R	Soluble	Solid	300.0	11468
880-7917-21	SP2 @ Surface	Soluble	Solid	300.0	11468
880-7917-22	SP2 @ 4'-R	Soluble	Solid	300.0	11468
880-7917-23	SP3 @ Surface	Soluble	Solid	300.0	11468
880-7917-24	SP3 @ 4'-R	Soluble	Solid	300.0	11468
880-7917-25	SP4 @ Surface	Soluble	Solid	300.0	11468
880-7917-26	SP4 @ 4'-R	Soluble	Solid	300.0	11468
MB 880-11468/1-A	Method Blank	Soluble	Solid	300.0	11468
LCS 880-11468/2-A	Lab Control Sample	Soluble	Solid	300.0	11468
LCSD 880-11468/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	11468
880-7917-18 MS	WH3 @ 1'	Soluble	Solid	300.0	11468
880-7917-18 MSD	WH3 @ 1'	Soluble	Solid	300.0	11468

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: NH1 @ Surface

Lab Sample ID: 880-7917-1

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/04/21 22:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 10:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 08:03	CH	XEN MID

Client Sample ID: NH1 @ 1'

Lab Sample ID: 880-7917-2

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/04/21 22:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 11:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 08:11	CH	XEN MID

Client Sample ID: EH1 @ Surface

Lab Sample ID: 880-7917-3

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/04/21 23:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 12:15	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 08:19	CH	XEN MID

Client Sample ID: EH1 @ 1'

Lab Sample ID: 880-7917-4

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/04/21 23:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: EH1 @ 1'

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 12:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 08:26	CH	XEN MID

Client Sample ID: EH2 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/04/21 23:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 12:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 08:49	CH	XEN MID

Client Sample ID: EH2 @ 1'

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 00:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 13:20	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 08:57	CH	XEN MID

Client Sample ID: EH3 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 00:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 13:41	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: EH3 @ Surface

Lab Sample ID: 880-7917-7

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 09:05	CH	XEN MID

Client Sample ID: EH3 @ 1'

Lab Sample ID: 880-7917-8

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 01:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 14:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 09:12	CH	XEN MID

Client Sample ID: SH1 @ Surface

Lab Sample ID: 880-7917-9

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	11386	11/03/21 15:14	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 01:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 14:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 09:20	CH	XEN MID

Client Sample ID: SH1 @ 1'

Lab Sample ID: 880-7917-10

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 04:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 14:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 09:28	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SH2 @ Surface

Lab Sample ID: 880-7917-11

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 05:17	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 15:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 09:51	CH	XEN MID

Client Sample ID: SH2 @ 1'

Lab Sample ID: 880-7917-12

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 05:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 15:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 09:58	CH	XEN MID

Client Sample ID: WH1 @ Surface

Lab Sample ID: 880-7917-13

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 05:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 16:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 10:21	CH	XEN MID

Client Sample ID: WH1 @ 1'

Lab Sample ID: 880-7917-14

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 06:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: WH1 @ 1'

Lab Sample ID: 880-7917-14

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 16:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 10:29	CH	XEN MID

Client Sample ID: WH2 @ Surface

Lab Sample ID: 880-7917-15

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 06:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 16:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 10:37	CH	XEN MID

Client Sample ID: WH2 @ 1'

Lab Sample ID: 880-7917-16

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 06:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 17:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 10:44	CH	XEN MID

Client Sample ID: WH3 @ Surface

Lab Sample ID: 880-7917-17

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 07:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 17:25	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: WH3 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	11182	11/04/21 18:15	CA	XEN MID
Soluble	Analysis	300.0		1			11708	11/10/21 10:52	CH	XEN MID

Client Sample ID: WH3 @ 1'

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 07:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 17:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		1			11846	11/10/21 18:32	CH	XEN MID

Client Sample ID: SP1 @ Surface

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 08:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		50			11846	11/10/21 18:55	CH	XEN MID

Client Sample ID: SP1 @ 4'-R

Date Collected: 11/01/21 00:00

Date Received: 11/03/21 11:11

Lab Sample ID: 880-7917-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 09:50	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11391	11/03/21 16:04	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11412	11/04/21 18:25	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		50			11846	11/10/21 19:02	CH	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP2 @ Surface

Lab Sample ID: 880-7917-21

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 10:10	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11414	11/04/21 14:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		1			11846	11/10/21 19:09	CH	XEN MID

Client Sample ID: SP2 @ 4'-R

Lab Sample ID: 880-7917-22

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 10:30	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11414	11/04/21 14:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		1			11846	11/10/21 19:17	CH	XEN MID

Client Sample ID: SP3 @ Surface

Lab Sample ID: 880-7917-23

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 10:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11414	11/04/21 14:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		20			11846	11/10/21 19:39	CH	XEN MID

Client Sample ID: SP3 @ 4'-R

Lab Sample ID: 880-7917-24

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 11:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID

Eurofins Xenco, Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Client Sample ID: SP3 @ 4'-R

Lab Sample ID: 880-7917-24

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11414	11/04/21 15:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		1			11846	11/10/21 19:46	CH	XEN MID

Client Sample ID: SP4 @ Surface

Lab Sample ID: 880-7917-25

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 11:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11414	11/04/21 15:44	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		5			11846	11/10/21 19:53	CH	XEN MID

Client Sample ID: SP4 @ 4'-R

Lab Sample ID: 880-7917-26

Date Collected: 11/01/21 00:00

Matrix: Solid

Date Received: 11/03/21 11:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	11387	11/03/21 15:23	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	11469	11/05/21 11:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			11890	11/10/21 11:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			11856	11/09/21 16:19	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	11376	11/03/21 13:58	DM	XEN MID
Total/NA	Analysis	8015B NM		1			11414	11/04/21 16:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	11468	11/04/21 13:25	SC	XEN MID
Soluble	Analysis	300.0		5			11846	11/10/21 20:01	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Laboratory: Eurofins Xenco, Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Xenco, Midland

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Momentum 36 State SWD #1

Job ID: 880-7917-1
SDG: Rural Lea Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-7917-1	NH1 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-2	NH1 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-3	EH1 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-4	EH1 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-5	EH2 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-6	EH2 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-7	EH3 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-8	EH3 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-9	SH1 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-10	SH1 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-11	SH2 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-12	SH2 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-13	WH1 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-14	WH1 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-15	WH2 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-16	WH2 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-17	WH3 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-18	WH3 @ 1'	Solid	11/01/21 00:00	11/03/21 11:11	1'
880-7917-19	SP1 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-20	SP1 @ 4'-R	Solid	11/01/21 00:00	11/03/21 11:11	4'
880-7917-21	SP2 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-22	SP2 @ 4'-R	Solid	11/01/21 00:00	11/03/21 11:11	4'
880-7917-23	SP3 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-24	SP3 @ 4'-R	Solid	11/01/21 00:00	11/03/21 11:11	4'
880-7917-25	SP4 @ Surface	Solid	11/01/21 00:00	11/03/21 11:11	
880-7917-26	SP4 @ 4'-R	Solid	11/01/21 00:00	11/03/21 11:11	4'



Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300, San Antonio TX (210) 509-3334
 Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad NM (575) 988-3199 Phoenix, AZ (480) 355-0900
 Tampa FL (813) 620-2000 Tallahassee, FL (850) 756-0747 Delray Beach FL (561) 689-6701
 Atlanta, GA (770) 449-8800

Work (



880-7917 Chain of Custody

www.xenco.com

Page 1 of 3

Project Manager:	Joel Lowry	Bill to: (if different)	Rob Kirk
Company Name:	Etech Environmental & Safety	Company Name:	Solaris
Address:	3100 Plains Highway	Address:	Reb Kirk
City, State ZIP:	Lovington, NM, 88260	City, State ZIP:	
Phone:	575-396-2378	Email	Email Results to PM@etechenv.com + Client

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRF <input type="checkbox"/> Brownfield <input type="checkbox"/> RR <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting Level	<input type="checkbox"/> Level <input type="checkbox"/> PST/US <input type="checkbox"/> TRF <input type="checkbox"/> Level <input type="checkbox"/>
Deliverables	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other

Project Name:		Momentum 36 State JWD #1		Turn Around		ANALYSIS REQUEST																Preservative Codes													
Project Number:		15041		Routine		<input checked="" type="checkbox"/>																HNO3 HN													
Project Location:		Rural Lea co, NM		Rush		<input type="checkbox"/>																H2SO4 H2													
Sampler's Name:		Miguel Ramirez		Due Date																		HCL HL													
PO #:																						None NO													
SAMPLE RECEIPT		Temp Blank:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wet Ice:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																		NaOH Na									
Temperature (°C):		2.6/2.7		Thermometer ID																		MeOH Me													
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor																		Zn Acetate+ NaOH Zn													
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Total Containers																		TAT starts the day received by the lab if received by 4:30pm													
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A																				Sample Comments													
Sample Identification		Matrix		Date Sampled		Time Sampled		Depth		Number of Containers/Preservative Code		Chloride E300		BTEX 8021		TPH Modified Ext		TPH TX1005																	
NH1 @ surface		Soil		11/1/21				1'		1		X		X		X																			
NH1 @ 1'								1'		1																									
EH1 @ surface								1'		1																									
EH1 @ 1'								1'		1																									
EH2 @ surface								1'		1																									
EH2 @ 1'								1'		1																									
EH3 @ surface								1'		1																									
EH3 @ 1'								1'		1																									
SH1 @ surface								1'		1																									
SH1 @ 1'								1'		1																									

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Sr	Ti	Sn	U	V	Zn				
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010		8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U	1631 / 245.1 / 7470 / 7471 Hg															

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>Buttany Cox</i>	11/1/21 4:52	<i>[Signature]</i>	<i>[Signature]</i>	11-3-21
					1103

Revised Date 101419 Rev 2019 1

Revised Date 10/14/19 Rev. 2019.1

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-7917-1

SDG Number: Rural Lea Co, NM

Login Number: 7917

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



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

April 27, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOMENTUM 36 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/22/22 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/22/2022	Sampling Date:	04/22/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 1 @ 3' (H221669-01)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31	
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.0 % 59.5-142

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Analytical Results For:

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

Received: 04/22/2022
 Reported: 04/27/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 2 @ 3' (H221669-02)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31		
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.4 % 59.5-142

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Analytical Results For:

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 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	04/22/2022	Sampling Date:	04/22/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 3 @ 3' (H221669-03)

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	04/26/2022	ND	2.10	105	2.00	5.31	
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07	
Total BTEX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.1 % 59.5-142

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	04/22/2022	Sampling Date:	04/22/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 4 @ 4' (H221669-04)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31	
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.7 % 59.5-142

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 HOBBS NM, 88240
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Received:	04/22/2022	Sampling Date:	04/22/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 5 @ 4' (H221669-05)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31		
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Received: 04/22/2022
 Reported: 04/27/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 6 @ 4' (H221669-06)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31		
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.4 % 59.5-142

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Analytical Results For:

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 JOEL LOWRY
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 Fax To:

Received: 04/22/2022
 Reported: 04/27/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 7 @ 5' (H221669-07)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31		
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.8 % 59.5-142

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 HOBBS NM, 88240
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Received: 04/22/2022
 Reported: 04/27/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 8 @ 5' (H221669-08)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31	
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.3 % 59.5-142

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	04/22/2022	Sampling Date:	04/22/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: EW 1 (H221669-09)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31		
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07		
Total BTX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/25/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.2 % 59.5-142

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	04/22/2022	Sampling Date:	04/22/2022
Reported:	04/27/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: NW 1 (H221669-10)

BTX 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	04/26/2022	ND	2.10	105	2.00	5.31	
Toluene*	<0.050	0.050	04/26/2022	ND	2.06	103	2.00	5.33	
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.98	99.1	2.00	5.35	
Total Xylenes*	<0.150	0.150	04/26/2022	ND	6.19	103	6.00	5.07	
Total BTX	<0.300	0.300	04/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/25/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/26/2022	ND	194	97.0	200	0.476	
DRO >C10-C28*	<10.0	10.0	04/26/2022	ND	179	89.4	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	04/26/2022	ND					

Surrogate: 1-Chlorooctane 82.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.4 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																							
Address: 2617 W Marland				Company: Sclaris																											
City: Hobbs State: NM Zip: 88240				Attn: Rob Kirk																											
Phone #: (575) 264-9884 Fax #:				Address:																											
Project #: 15041 Project Owner:				City:																											
Project Name: Momentum 36 State SWD #1.				State: Zip:																											
Project Location:				Phone #:																											
Sampler Name: Aaron Rios				Fax #:																											
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																					
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			
H2210609																															
1		FS 1. A 3 Ft		X				X																		4-22-22				X X X	
2		FS 2. A 3 Ft																													
3		FS 3. A 3 Ft																													
4		FS 4. A 4 Ft																													
5		FS 5. A 4 Ft																													
6		FS 6. A 4 Ft																													
7		FS 7. A 5 Ft																													
8		FS 8. A 5 Ft																													
9		EW 1																													
10		NW 1																													

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Relinquished By: Aaron Rios		Date: 4-22-22		Received By: [Signature]		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: 1440		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Delivered By: (Circle One) 20.69C-0.5C		Date:		Sample Condition		CHECKED BY: (Initials)		REMARKS:	
Sampler - UPS - Bus - Other: 20.10 #113		Time:		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		[Signature]		Please email results and copy of CoC to pm@etechenv.com.	

FORM-006
Revision 1.0

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



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

April 29, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOMENTUM 36 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 3 (H221721-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/28/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 4 (H221721-02)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/28/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 5 (H221721-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/28/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 6 (H221721-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574		
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/28/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: EW 3 (H221721-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/28/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: EW 4 (H221721-06)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574		
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/28/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: EW 5 (H221721-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574		
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	04/28/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: EW 6 (H221721-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574		
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/28/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 7 (H221721-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.09	105	2.00	0.574	
Toluene*	<0.050	0.050	04/28/2022	ND	2.06	103	2.00	0.270	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.07	103	2.00	0.415	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	6.14	102	6.00	0.00863	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	04/28/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: SW 1 (H221721-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTEx	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.6 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 9 @ 5' (H221721-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 10 @ 5' (H221721-12)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/28/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 11 @ 4.5' (H221721-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTEx	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 12 @ 4' (H221721-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 13 @ 4' (H221721-15)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 151 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 14 @ 4.5' (H221721-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTEx	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 15 @ 4.5' (H221721-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/28/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/28/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 16 @ 4.5' (H221721-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91	
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.3 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
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Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 1 (H221721-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 2 (H221721-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTEX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	196	98.1	200	4.50	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	184	92.0	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 17 @ 4.5' (H221721-21)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	04/28/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.6 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 18 @ 4.5' (H221721-22)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91	
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04	
Total BTX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.2 % 59.5-142

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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 19 @ 4.5' (H221721-23)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91	
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04	
Total BTX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1890	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 20 @ 4.5' (H221721-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	04/28/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 21 @ 4.5' (H221721-25)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	04/28/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 22 @ 4' (H221721-26)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 7 (H221721-27)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/28/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 8 (H221721-28)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91		
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: EW 8 (H221721-29)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	1.91	95.7	2.00	6.91	
Toluene*	<0.050	0.050	04/29/2022	ND	1.98	99.2	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.01	100	2.00	6.46	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	5.92	98.6	6.00	7.04	
Total BTX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/26/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 9 (H221721-30)

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	04/28/2022	ND	2.00	100	2.00	3.11		
Toluene*	<0.050	0.050	04/28/2022	ND	1.99	99.3	2.00	2.56		
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.90	95.0	2.00	3.33		
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.95	99.1	6.00	2.44		
Total BTEX	<0.300	0.300	04/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	219	109	200	2.07	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	224	112	200	2.89	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST													
Project Manager: <i>Joel Lowry</i>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
Address: 2617 W Marland				Company: <i>Solaris</i>																	
City: Hobbs		State: NM		Zip: 88240		Attn: <i>Rob Kirk</i>															
Phone #: (575) 264-9884		Fax #:		Address:																	
Project #: <i>15041</i>		Project Owner:		City:																	
Project Name: <i>Momentum 36 State SWD #1</i>				State: Zip:																	
Project Location:				Phone #:																	
Sampler Name: <i>Aaron Rios</i>				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.		SAMPLING											
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
<i>H221721</i>																					
1	<i>WW</i>	<i>3.</i>		<i>X</i>			<i>X</i>														
2	<i>WW</i>	<i>4.</i>																			
3	<i>WW</i>	<i>5.</i>																			
4	<i>WW</i>	<i>6.</i>																			
5	<i>EW</i>	<i>3.</i>																			
6	<i>EW</i>	<i>4.</i>																			
7	<i>EW</i>	<i>5.</i>																			
8	<i>EW</i>	<i>6.</i>																			
9	<i>EW</i>	<i>7.</i>																			
10	<i>SW</i>	<i>1.</i>																			
<small>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 analyses. 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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																					
Relinquished By:		Date: <i>4-26-22</i> Time: <i>1655</i>		Received By: <i>Spodrigney</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:											
Relinquished By:		Date: Time:		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:											
<i>Aaron Rios</i>								REMARKS:													
Please email results and copy of CoC to pm@etechenv.com.																					
Delivered By: (Circle One)		<i>14.38 C-0.52</i>		Sample Condition		CHECKED BY: (Initials)															
<i>Sampler - UPS - Bus - Other:</i>		<i>13.82 #113</i>		Cool Intact		<i>802</i>															
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 34 of 35

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: <u>Joel Lowry</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: 2617 W Marland				Company: <u>Solaris</u>																									
City: Hobbs		State: NM Zip: 88240		Attn: <u>Rob Kirk</u>																									
Phone #: (575) 264-9884		Fax #:		Address:																									
Project #: <u>15041</u>		Project Owner:		City:																									
Project Name: <u>Momentum 36 State S.W.O #1</u>				State: Zip:																									
Project Location:				Phone #:																									
Sampler Name: <u>Aaron Rios</u>				Fax #:																									
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING																	
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	
<u>11221721</u>																													
11		FS 9. @ 5 FT		X				X																		4-26-22			
12		FS 10. @ 5 FT																											
13		FS 11. @ 4 1/2 FT																											
14		FS 12. @ 4 FT																											
15		FS 13. @ 4 FT																											
16		FS 14. @ 4 1/2 FT																											
17		FS 15. @ 4 1/2 FT																											
18		FS 16. @ 4 1/2 FT																											
19		WW 1.																											
20		WW 2.																											

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Relinquished By:	Date: <u>4-26-22</u>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>1055</u>	<u>S. Rodriguez</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
<u>Aaron Rios</u>	Time:		Please email results and copy of CoC to pm@etechenv.com.	
Delivered By: (Circle One) <u>14.38</u> C.O. <u>50</u>	Sample Condition	CHECKED BY:		
<u>Sample</u> - UPS - Bus - Other:	Cool Intact	(Initials)		
<u>13.80</u> #113	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>882</u>		

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Revision 1.0

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ARDINAL LABORATORIES

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 35 of 35

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: <i>Joel Lowry</i>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																							
Address: P.O. Box 301				Company: <i>Solaris</i>																																											
City: Lovington		State: NM Zip: 88260		Attn: <i>Rob Kirk</i>																																											
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																																											
Project #: <i>15041</i>		Project Owner:		City:																																											
Project Name: <i>Momentum 36 State SWD #1</i>				State: Zip:																																											
Project Location:				Phone #:																																											
Sampler Name: <i>Aaron Rios</i>				Fax #:																																											
FOR LAB USE ONLY																																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																																			
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME																			
<i>H221721</i>																																															
<i>21</i>		<i>FS 17. ④ 4 1/2 Ft</i>		<i>X</i>		<i>X</i>																				<i>4-26-22</i>				<i>X</i>		<i>X</i>		<i>X</i>													
<i>22</i>		<i>FS 18. ④ 4 1/2 Ft</i>		<i>X</i>		<i>X</i>																																									
<i>23</i>		<i>FS 19. ④ 4 1/2 Ft</i>		<i>X</i>		<i>X</i>																																									
<i>24</i>		<i>FS 20. ④ 4 1/2 Ft</i>		<i>X</i>		<i>X</i>																																									
<i>25</i>		<i>FS 21. ④ 4 1/2 Ft</i>		<i>X</i>		<i>X</i>																																									
<i>26</i>		<i>FS 22. ④ 4 Ft</i>		<i>X</i>		<i>X</i>																																									
<i>27</i>		<i>WW 7.</i>		<i>X</i>		<i>X</i>																																									
<i>28</i>		<i>WW 8.</i>		<i>X</i>		<i>X</i>																																									
<i>29</i>		<i>EW 8.</i>		<i>X</i>		<i>X</i>																																									
<i>30</i>		<i>EW 9.</i>		<i>X</i>		<i>X</i>																																									

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Relinquished By:	Date: <i>4-26-22</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>1655</i>	<i>Shodkiewicz</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
<i>Aaron Rios</i>	Time:			
Delivered By: (Circle One)	<i>14.3°C ± 0.5°C</i>	Sample Condition	CHECKED BY: (Initials)	
<i>UPS - Bus - Other:</i>	<i>(13.8°C #113)</i>	Cool Intact	<i>SR</i>	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

Please email results to pm@etechenv.com.

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Revision 1.0

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

April 29, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOMENTUM 36 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/27/22 16:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/27/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 23 @ 4' (H221740-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/28/2022	ND	2.00	100	2.00	3.11	
Toluene*	<0.050	0.050	04/28/2022	ND	1.99	99.3	2.00	2.56	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.90	95.0	2.00	3.33	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.95	99.1	6.00	2.44	
Total BTEX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	04/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	220	110	200	0.172	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	235	117	200	0.398	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 99.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/27/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 24 @ 4' (H221740-02)

BTX 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	04/28/2022	ND	2.00	100	2.00	3.11	
Toluene*	<0.050	0.050	04/28/2022	ND	1.99	99.3	2.00	2.56	
Ethylbenzene*	<0.050	0.050	04/28/2022	ND	1.90	95.0	2.00	3.33	
Total Xylenes*	<0.150	0.150	04/28/2022	ND	5.95	99.1	6.00	2.44	
Total BTX	<0.300	0.300	04/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	04/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	220	110	200	0.172	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	235	117	200	0.398	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/27/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 25 @ 4' (H221740-03)

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	04/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	220	110	200	0.172	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	235	117	200	0.398	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/27/2022	Sampling Date:	04/27/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	Cool & Intact
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 9 (H221740-04)

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	220	110	200	0.172	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	235	117	200	0.398	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/27/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 10 (H221740-05)

BTX 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	04/29/2022	ND	2.12	106	2.00	0.955		
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08		
Total BTX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/28/2022	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	220	110	200	0.172		
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	235	117	200	0.398		
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND						

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/27/2022	Sampling Date:	04/27/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	Cool & Intact
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 11 (H221740-06)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	220	110	200	0.172	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	235	117	200	0.398	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 99.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/27/2022	Sampling Date:	04/27/2022
Reported:	04/29/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	Cool & Intact
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: WW 12 (H221740-07)

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEx	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	220	110	200	0.172	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	235	117	200	0.398	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/27/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 10 (H221740-08)

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEX	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/27/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 11 (H221740-09)

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	04/29/2022	ND	2.12	106	2.00	0.955		
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860		
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16		
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08		
Total BTEX	<0.300	0.300	04/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/27/2022
 Reported: 04/29/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 12 (H221740-10)

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	04/29/2022	ND	2.12	106	2.00	0.955	
Toluene*	<0.050	0.050	04/29/2022	ND	2.10	105	2.00	0.860	
Ethylbenzene*	<0.050	0.050	04/29/2022	ND	2.02	101	2.00	1.16	
Total Xylenes*	<0.150	0.150	04/29/2022	ND	6.30	105	6.00	1.08	
Total BTEx	<0.300	0.300	04/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/28/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/28/2022	ND	191	95.6	200	6.38	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	187	93.5	200	2.38	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: Solaris																									
City: Lovington		State: NM		Zip: 88260		Attn: Rob Kirk																							
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																									
Project #: 15041		Project Owner:		City:																									
Project Name: Momentum 36 State SWD #1.		State:		Zip:																									
Project Location:		Phone #:																											
Sampler Name: Aaron Rios				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING																			
						GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME			
H221740																													
1		FS 23. ④ 4F		X						X														X		X		X	
2		FS 24. ④ 4F																											
3		FS 25. ④ 4F																											
4		WW 9.																											
5		WW 10.																											
6		WW 11.																											
7		WW 12.																											
8		EW 10.																											
9		EW 11.																											
10		EW 12.																											
<p>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 analyses. 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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																													
Relinquished By:				Date: 4-27-22				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:													
				Time: 1010								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:													
Relinquished By: Aaron Rios				Date:				Received By:				REMARKS:																	
				Time:								Please email results to pm@etechenv.com.																	
Delivered By: (Circle One)				52% C-O.5%				Sample Condition				CHECKED BY:																	
Sampler - UPS - Bus - Other:				4.7% #113				Cool Intact				(Initials)																	
								<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				SR													

FORM-006
Revision 1.0

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



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

May 04, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOMENTUM 36 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 04/29/22 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 26 @ 4' (H221795-01)

BTX 8021B			mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.07	103	2.00	2.64		
Toluene*	<0.050	0.050	05/03/2022	ND	2.05	102	2.00	2.05		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.03	102	2.00	2.72		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.29	105	6.00	3.10		
Total BTX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	05/03/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 137 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2022	Sampling Date:	04/29/2022
Reported:	05/04/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 27 @ 4' (H221795-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	05/03/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	227	113	200	0.127	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Analytical Results For:

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

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 28 @ 4' (H221795-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1790	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Analytical Results For:

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

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 29 @ 4' (H221795-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	05/03/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

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

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 30 @ 4' (H221795-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1970	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 31 @ 4' (H221795-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	05/03/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

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

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 32 @ 4' (H221795-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEx	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	05/03/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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

Received: 04/29/2022
 Reported: 05/04/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 04/29/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 33 @ 4' (H221795-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66	
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86	
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67	
Total BTX	<0.300	0.300	05/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	05/03/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

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

Received:	04/29/2022	Sampling Date:	04/29/2022
Reported:	05/04/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: FS 34 @ 4' (H221795-09)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	05/03/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Analytical Results For:

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

Received:	04/29/2022	Sampling Date:	04/29/2022
Reported:	05/04/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS		

Sample ID: EW 13 (H221795-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/03/2022	ND	2.01	100	2.00	3.66		
Toluene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.86		
Ethylbenzene*	<0.050	0.050	05/03/2022	ND	2.16	108	2.00	4.18		
Total Xylenes*	<0.150	0.150	05/03/2022	ND	6.48	108	6.00	4.67		
Total BTEX	<0.300	0.300	05/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/03/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2022	ND	216	108	200	2.12	
DRO >C10-C28*	<10.0	10.0	05/02/2022	ND	229	114	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	05/02/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																							
Address: P.O. Box 301				Company: Solaris																																											
City: Lovington State: NM Zip: 88260				Attn: Rob Kirk																																											
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																																											
Project #: 15041 Project Owner:				City:																																											
Project Name: Momentum 36 State SWD #1				State: Zip:																																											
Project Location:				Phone #:																																											
Sampler Name: Aaron Rios				Fax #:																																											
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																					
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																			
H221795																																															
1		FS 26. 4 FT		X																						4-29-22				X		X		X													
2		FS 27. 4 FT																																													
3		FS 28. 4 FT																																													
4		FS 29. 4 FT																																													
5		FS 30. 4 FT																																													
6		FS 31. 4 FT																																													
7		FS 32. 4 FT																																													
8		FS 33. 4 FT																																													
9		FS 34. 4 FT																																													
10		EW 13.																																													
<p>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 analyses. 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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																															
Relinquished By:				Date: 4-29-22		Received By: Speed Rios				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																																	
				Time: 1615						Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																																	
Relinquished By: Aaron Rios				Date:		Received By:				REMARKS:																																					
				Time:																																											
Delivered By: (Circle One) 34.12 C-0.52				Sample Condition				CHECKED BY: (Initials) 582				Please email results to pm@etechenv.com.																																			
Sampler - UPS - Bus - Other: 33 162 #113				Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																											



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

May 10, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOMENTUM 36 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 05/04/22 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 35 @ 4' (H221871-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02	
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70	
Total BTEX	<0.300	0.300	05/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	188	93.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	191	95.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 36 @ 4' (H221871-02)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02		
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41		
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89		
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70		
Total BTX	<0.300	0.300	05/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	188	93.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	191	95.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 75.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 37 @ 4' (H221871-03)

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	05/08/2022	ND	2.09	105	2.00	7.02		
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41		
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89		
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70		
Total BTEX	<0.300	0.300	05/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	188	93.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	191	95.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 71.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 38 @ 4' (H221871-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02		
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41		
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89		
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70		
Total BTEX	<0.300	0.300	05/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	188	93.8	200	2.17	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	191	95.6	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 68.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 39 @ 4" (H221871-05)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02		
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41		
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89		
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70		
Total BTEX	<0.300	0.300	05/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 40 @ 4" (H221871-06)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02		
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41		
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89		
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70		
Total BTEX	<0.300	0.300	05/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 41 @ 4" (H221871-07)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02	
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70	
Total BTEX	<0.300	0.300	05/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 68.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 68.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 42 @ 4" (H221871-08)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02	
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41	
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89	
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70	
Total BTEX	<0.300	0.300	05/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	26000	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	679	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 69.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 43 @ 4" (H221871-09)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02		
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41		
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89		
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70		
Total BTEX	<0.300	0.300	05/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	44400	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.5 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 44 @ 4" (H221871-10)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/08/2022	ND	2.09	105	2.00	7.02		
Toluene*	<0.050	0.050	05/08/2022	ND	2.04	102	2.00	6.41		
Ethylbenzene*	<0.050	0.050	05/08/2022	ND	1.91	95.7	2.00	6.89		
Total Xylenes*	<0.150	0.150	05/08/2022	ND	5.95	99.2	6.00	6.70		
Total BTEX	<0.300	0.300	05/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	42800	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.2 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 45 @ 4" (H221871-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/10/2022	ND	1.99	99.7	2.00	2.59		
Toluene*	<0.050	0.050	05/10/2022	ND	2.05	103	2.00	2.24		
Ethylbenzene*	<0.050	0.050	05/10/2022	ND	2.22	111	2.00	1.74		
Total Xylenes*	<0.150	0.150	05/10/2022	ND	6.82	114	6.00	2.04		
Total BTEX	<0.300	0.300	05/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	44400	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.2 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 46 @ 4" (H221871-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.99	99.7	2.00	2.59		
Toluene*	<0.050	0.050	05/09/2022	ND	2.05	103	2.00	2.24		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	2.22	111	2.00	1.74		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	6.82	114	6.00	2.04		
Total BTEX	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	26000	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 47 @ 4" (H221871-13)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEx	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	46400	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.0 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 48 @ 4" (H221871-14)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72	
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69	
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06	
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24	
Total BTEX	<0.300	0.300	05/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28800	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 70.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.7 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 49 @ 4" (H221871-15)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72	
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69	
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06	
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24	
Total BTEX	<0.300	0.300	05/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 50 @ 4" (H221871-16)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEx	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23200	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 51 @ 4" (H221871-17)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEx	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	34000	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 52 @ 4" (H221871-18)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEX	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	44000	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/10/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/10/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.6 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 Fax To:

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 53 @ 4" (H221871-19)

BTEx 8021B			mg/kg							
			Analyzed By: MS/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEX	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36000	16.0	05/06/2022	ND	400	100	400	3.92		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32		
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71		
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND						

Surrogate: 1-Chlorooctane 75.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.3 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
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 HOBBS NM, 88240
 Fax To:

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: FS 54 @ 4" (H221871-20)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72	
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69	
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06	
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24	
Total BTX	<0.300	0.300	05/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	28000	16.0	05/06/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	15.8	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 70.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.2 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EWB 5 (H221871-21)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEX	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/06/2022	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.7 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EWB 7 (H221871-22)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72	
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69	
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06	
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24	
Total BTX	<0.300	0.300	05/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/06/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.2 % 59.5-142

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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 14 (H221871-23)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72	
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69	
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06	
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24	
Total BTEx	<0.300	0.300	05/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/06/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.2 % 59.5-142

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
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 Fax To:

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 15 (H221871-24)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEX	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/06/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	190	95.0	200	8.32	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	182	91.2	200	3.71	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EW 16 (H221871-25)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEx	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/06/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	213	107	200	10.3	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	196	98.1	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/04/2022
 Reported: 05/10/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/03/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WW 15 (H221871-26)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2022	ND	1.94	97.0	2.00	4.72		
Toluene*	<0.050	0.050	05/09/2022	ND	1.92	96.1	2.00	4.69		
Ethylbenzene*	<0.050	0.050	05/09/2022	ND	1.82	91.2	2.00	4.06		
Total Xylenes*	<0.150	0.150	05/09/2022	ND	5.67	94.4	6.00	4.24		
Total BTEX	<0.300	0.300	05/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	05/06/2022	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2022	ND	213	107	200	10.3	
DRO >C10-C28*	<10.0	10.0	05/09/2022	ND	196	98.1	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	05/09/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																							
Address: P.O. Box 301				Company: Solaris																																											
City: Lovington State: NM Zip: 88260				Attn: Rob Kirk																																											
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																																											
Project #: 15041 Project Owner:				City:																																											
Project Name: Momentum 36 State SWD #1.				State: Zip:																																											
Project Location:				Phone #:																																											
Sampler Name: Aaron RioS				Fax #:																																											
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																					
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																			
H221871																																															
1		FS 35. @ 4 Ft				X						X														5-3-22				X		X		X													
2		FS 36. @ 4 Ft																																													
3		FS 37. @ 4 Ft																																													
4		FS 38. @ 4 Ft																																													
5		FS 39. @ 4 in																																													
6		FS 40. @ 4 in																																													
7		FS 41. @ 4 in																																													
8		FS 42. @ 4 in																																													
9		FS 43. @ 4 in																																													
10		FS 44. @ 4 in																																													
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 analyses. 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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.																																															
Relinquished By:										Date: 5-4-22					Received By: J. Rodriguez										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No					Add'l Phone #:																	
										Time: 546															Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No					Add'l Fax #:																	
Relinquished By: Aaron RioS										Date:					Received By:										REMARKS: RUSH CL Only. As per Joel 5/6/22 @ 10:15am. JH																						
										Time:															Please email results to pm@etechenv.com.																						
Delivered By: (Circle One) -188 X-0.52										Sample Condition										CHECKED BY: (Initials)																											
Sampler UPS - Bus - Other: -2.36 #113										Cool Intact										JH																											
										<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																											



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 31

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																					
Project Manager: <i>Joel Lowry</i>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																																					
Address: P.O. Box 301				Company: <i>Solaris</i>																																									
City: Lovington State: NM Zip: 88260				Attn: <i>Rob Kirk</i>																																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																																									
Project #: <i>15041</i> Project Owner:				City:																																									
Project Name: <i>Momentum 36 State SWD #6</i>				State: Zip:																																									
Project Location:				Phone #:																																									
Sampler Name: <i>Aaron Rios</i>				Fax #:																																									
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																																			
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME																			
<i>H221871</i>																																													
<i>11</i>		<i>FS 45. (A) 4in</i>		<i>X</i>																				<i>5-3-22</i>				<i>X</i>		<i>X</i>		<i>X</i>													
<i>12</i>		<i>FS 46. (A) 4in</i>		<i>X</i>																																									
<i>13</i>		<i>FS 47. (A) 4in</i>		<i>X</i>																																									
<i>14</i>		<i>FS 48. (A) 4in</i>		<i>X</i>																																									
<i>15</i>		<i>FS 49. (A) 4in</i>		<i>X</i>																																									
<i>16</i>		<i>FS 50. (A) 4in</i>		<i>X</i>																																									
<i>17</i>		<i>FS 51. (A) 4in</i>		<i>X</i>																																									
<i>18</i>		<i>FS 52. (A) 4in</i>		<i>X</i>																																									
<i>19</i>		<i>FS 53. (A) 4in</i>		<i>X</i>																																									
<i>20</i>		<i>FS 54. (A) 4in</i>		<i>X</i>																																									
<p>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 analyses. 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 service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																													
Relinquished By:				Date: <i>5-4-22</i>		Received By:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																															
				Time: <i>5:46</i>		<i>Spodrigney</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																															
Relinquished By:				Date:		Received By:				<p>REMARKS:</p> <p>Please email results to pm@etechenv.com.</p>																																			
<i>Aaron Rios</i>				Time:																																									
Delivered By: (Circle One) <i>-18c</i>				<i>10-0.5c</i>				Sample Condition				CHECKED BY:																																	
Sampler - UPS - Bus - Other:				<i>-2.3c #13</i>				Cool Intact				(Initials)																																	
								<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				<i>SR</i>																																	
								<input type="checkbox"/> No <input type="checkbox"/> No																																					

FORM-006
Revision 1.0

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

May 23, 2022

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MOMENTUM 36 STATE SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 05/18/22 15:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 42 @ 8" (H222121-01)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	2.82		
Toluene*	<0.050	0.050	05/19/2022	ND	2.01	101	2.00	2.85		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	1.97	98.7	2.00	3.29		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.07	101	6.00	3.60		
Total BTEX	<0.300	0.300	05/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	207	103	200	6.09	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	215	107	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 43 @ 8" (H222121-02)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	2.82	
Toluene*	<0.050	0.050	05/19/2022	ND	2.01	101	2.00	2.85	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	1.97	98.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.07	101	6.00	3.60	
Total BTX	<0.300	0.300	05/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	207	103	200	6.09	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	215	107	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 98.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 44 @ 8" (H222121-03)

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	05/19/2022	ND	2.04	102	2.00	2.82		
Toluene*	<0.050	0.050	05/19/2022	ND	2.01	101	2.00	2.85		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	1.97	98.7	2.00	3.29		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.07	101	6.00	3.60		
Total BTEx	<0.300	0.300	05/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	207	103	200	6.09	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	215	107	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Analytical Results For:

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

Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 45 @ 8" (H222121-04)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	2.82	
Toluene*	<0.050	0.050	05/19/2022	ND	2.01	101	2.00	2.85	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	1.97	98.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.07	101	6.00	3.60	
Total BTX	<0.300	0.300	05/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	207	103	200	6.09	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	215	107	200	8.55	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

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

Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 46 @ 8" (H222121-05)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	2.82	
Toluene*	<0.050	0.050	05/19/2022	ND	2.01	101	2.00	2.85	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	1.97	98.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.07	101	6.00	3.60	
Total BTX	<0.300	0.300	05/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	05/19/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

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Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 47 @ 8" (H222121-06)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	2.82	
Toluene*	<0.050	0.050	05/19/2022	ND	2.01	101	2.00	2.85	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	1.97	98.7	2.00	3.29	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.07	101	6.00	3.60	
Total BTEX	<0.300	0.300	05/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	05/19/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Received: 05/18/2022
 Reported: 05/23/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS 48 @ 8" (H222121-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94		
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85		
Total BTEx	<0.300	0.300	05/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 131 % 66.9-136

Surrogate: 1-Chlorooctadecane 140 % 59.5-142

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Received: 05/18/2022
 Reported: 05/23/2022
 Project Name: MOMENTUM 36 STATE SWD #1
 Project Number: 15041
 Project Location: SOLARIS

Sampling Date: 05/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: FS 50 @ 8" (H222121-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94	
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76	
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18	
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85	
Total BTEX	<0.300	0.300	05/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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 Fax To:

Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 51 @ 8" (H222121-09)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94		
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85		
Total BTEX	<0.300	0.300	05/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 131 % 59.5-142

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Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 52 @ 8" (H222121-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94		
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85		
Total BTEx	<0.300	0.300	05/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 53 @ 8" (H222121-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94		
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85		
Total BTEX	<0.300	0.300	05/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	05/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	23.6	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Etech Environmental & Safety Solutions
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Received:	05/18/2022	Sampling Date:	05/18/2022
Reported:	05/23/2022	Sampling Type:	Soil
Project Name:	MOMENTUM 36 STATE SWD #1	Sampling Condition:	** (See Notes)
Project Number:	15041	Sample Received By:	Tamara Oldaker
Project Location:	SOLARIS		

Sample ID: FS 54 @ 8" (H222121-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2022	ND	2.00	99.9	2.00	1.94		
Toluene*	<0.050	0.050	05/19/2022	ND	2.04	102	2.00	4.76		
Ethylbenzene*	<0.050	0.050	05/19/2022	ND	2.03	102	2.00	2.18		
Total Xylenes*	<0.150	0.150	05/19/2022	ND	6.15	102	6.00	2.85		
Total BTEX	<0.300	0.300	05/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	05/19/2022	ND	416	104	400	3.77	QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	232	116	200	3.86	
DRO >C10-C28*	<10.0	10.0	05/19/2022	ND	223	112	200	0.0875	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

H-1

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																		
Address: P.O. Box 301				Company: Solaris																						
City: Lovington State: NM Zip: 88260				Attn: Rob Kirk																						
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																						
Project #: 15041 Project Owner:				City:																						
Project Name: Momentum 36 State Suid #1				State: Zip:																						
Project Location:				Phone #:																						
Sampler Name: Aaron Rios				Fax #:																						
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																
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												
H2221281	TP 5/18/22												5-18-22		X	X	X									
1 FS	42	A	8in	X		X																				
2 FS	43	A	8in																							
3 FS	44	A	8in																							
4 FS	45	A	8in																							
5 FS	46	A	8in																							
6 FS	47	A	8in																							
7 FS	48	A	8in																							
8 FS	50	A	8in																							
9 FS	51	A	8in																							
10 FS	52	A	8in																							

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Relinquished By:	Date:	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
REMARKS:				
Relinquished By:	Date:	Received By:		
	Time:			
Delivered By: (Circle One)	34.5e	C-0.5e		
Sampler - UPS - Bus - Other:	34.0e	#113		
Sample Condition	Cool	Intact		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
CHECKED BY:	(Initials)			
	TP			

Please email results to pm@etechenv.com.

FORM-006
Revision 1.0

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-2

Page 16 of 16

[illegible]

Appendix E

Regulatory Correspondence

Kathy Purvis

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Wednesday, April 27, 2022 3:39 PM
To: Kathy Purvis
Cc: Bratcher, Mike, EMNRD; Hamlet, Robert, EMNRD
Subject: FW: [EXTERNAL] Confirmation sampling notice, nAPP2125738506 - Momentum 36 State SWD #1

Kathy,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Wednesday, April 27, 2022 3:35 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Subject: Fw: [EXTERNAL] Confirmation sampling notice, nAPP2125738506 - Momentum 36 State SWD #1

From: Kathy Purvis <kathy@etechenv.com>
Sent: Wednesday, April 27, 2022 3:25 PM
To: ocd.environmental@state.nm.us <ocd.environmental@state.nm.us>; Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: Joel Lowry <joel@etechenv.com>
Subject: [EXTERNAL] Confirmation sampling notice, nAPP2125738506 - Momentum 36 State SWD #1

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This email serves as notice that Etech intends to collect excavation confirmation soil samples from the following locations/reportable release site:

Solaris Water Midstream – Momentum 36 State SWD #1 – nAPP2125738506

If you have any questions or need any additional information, please contact Joey Lowry by email.

Kathy Purvis, Project Manager
(432) 967-9624



Appendix F

NMCRIS Investigation Abstract Form (NIAF)

NMCRIIS INVESTIGATION ABSTRACT FORM (NIAF)

1. NMCRIIS Activity No.: 149137	2a. Lead (Sponsoring) Agency: NM State Land Office (SLO)	2b. Other Permitting Agency(ies):	3. Lead Agency Report No.:
4. Title of Report: A Class III Archaeological Survey for the Momentum 36 State SWD #1 Inadvertent Release Remediation Project in Lea County, New Mexico Author(s): Alissa Healy			5. Type of Report <input checked="" type="checkbox"/> Negative <input type="checkbox"/> Positive
6. Investigation Type <input type="checkbox"/> Research Design <input checked="" type="checkbox"/> Survey/Inventory <input type="checkbox"/> Test Excavation <input type="checkbox"/> Excavation <input type="checkbox"/> Collections/Non-Field Study <input type="checkbox"/> Overview/Lit Review <input type="checkbox"/> Monitoring <input type="checkbox"/> Ethnographic study <input type="checkbox"/> Site specific visit <input type="checkbox"/> Other			
7. Description of Undertaking (what does the project entail?): <p>Etech Environmental and Safety Solutions, LLC. (Etech) contracted SWCA Environmental Consultants (SWCA) to conduct an intensive Class III pedestrian survey in support of the Momentum 36 State SWD #1 inadvertent release remediation project in Lea County, NM. The remediation process will require removing impacted sediments from the contaminated area and replacing them with clean soils. The spill area covers approximately 0.27 acres (0.11 hectares) of land managed by the New Mexico State Land Office (SLO) and is located approximately 12 miles southwest of Jal, New Mexico. The SLO will serve as the lead agency.</p> <p>SLO cultural resources preservation efforts strongly recommend that an archaeological survey be conducted to current standards for the APE pursuant to and in compliance with New Mexico Administrative Code (NMAC) 4.10.15 to ensure that cultural properties are not inadvertently excavated, harmed, or destroyed by any person.</p> <p>SWCA surveyed a 30-meter (m) (100-foot) cultural buffer around the spill area for a total of 4.07 acres (1.65 hectares). The eastern side of the survey area has previously been covered by qualifying survey (NMCRIIS 140162, surveyed in 2018 by SWCA), and was therefore not resurveyed for the current project. During this investigation, no new or previously recorded sites or historic properties were identified; however, one isolated occurrence (IO) was recorded within the survey area. The IO is recommended not eligible for listing on the NRHP under any criteria; therefore, no further management is recommended.</p>		8. Dates of Investigation: October 28, 2021 9. Report Date: November 2, 2021	
10. Performing Agency/Consultant: SWCA Environmental Consultants (SWCA) Principal Investigator: Meaghan A. Trowbridge Project Manager: Alissa Healy Field Supervisor: Ad Muniz Field Technician: N/A		11. Performing Agency/Consultant Report No.: SWCA Report No. 21-650 12. Applicable Cultural Resource Permit No(s): NM State Permit: NM-22-055-S (1/1/2020-12/31/2022)	
13. Client/Customer (project proponent): Etech Environmental & Safety Solutions, Inc Contact: Joel Lowry Address: 110 N. Marienfeld St. Ste. 200 Midland, Texas 79701 Phone: (979) 575-3779		14. Client/Customer Project No.: SWCA Project Number: 70226	

15. Land Ownership Status (<u>Must</u> be indicated on project map):			
Landowner	Acres Surveyed	Acres in APE	
NM State Land Office	4.07	0.27	
TOTALS	4.07	0.27	

16. Records Search(es):		
Date(s) of ARMS File Review: October 19, 2021	Name of Reviewer(s): Alissa Healy	
Date(s) of NR/SR File Review: October 19, 2021	Name of Reviewer(s): Alissa Healy	
Date(s) of Other Agency File Review:	Name of Reviewer(s):	Other Agency:

17. Survey Data:			
a. Source Graphics <input type="checkbox"/> NAD 27 <input checked="" type="checkbox"/> NAD 83 <input checked="" type="checkbox"/> USGS 7.5' (1:24,000) topo map <input type="checkbox"/> Other topo map, Scale: <input checked="" type="checkbox"/> GPS Unit Accuracy <input checked="" type="checkbox"/> <1.0m <input type="checkbox"/> 1-10m <input type="checkbox"/> 10-100m <input type="checkbox"/> >100m			
b. USGS 7.5' Topographic Map Name		USGS Quad Code	
Javelina Basin, 1976		32103-A3	
c. County(ies): Lea			
d. Nearest City or Town: Jal, New Mexico			
e. Legal Description:			
Available PLSS Data for the Survey Area			
Survey Area:			
Township	Range	Section	QQ
25S	35E	36	NESW
			SESW
			NWSE
			SWSE

Projected legal description? Yes <input type="checkbox"/> , No <input checked="" type="checkbox"/> Unplatted <input type="checkbox"/>
f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):

18. Survey Field Methods:			
Intensity: <input checked="" type="checkbox"/> 100% coverage <input type="checkbox"/> <100% coverage			
Configuration: <input checked="" type="checkbox"/> block survey units <input type="checkbox"/> linear survey units (l x w): <input type="checkbox"/> other survey units (specify):			
Scope: <input checked="" type="checkbox"/> non-selective (all sites recorded) <input type="checkbox"/> selective/thematic (selected sites recorded)			
Coverage Method: <input checked="" type="checkbox"/> systematic pedestrian coverage <input type="checkbox"/> other method (describe)			
Survey Interval (m): 15 m Crew Size: 1 Fieldwork Dates: October 28, 2021			
Survey Person Hours: 2.25 Recording Person Hours: 0 Total Hours: 2.25			
Additional Narrative: The eastern portion of the project area was previously covered by qualifying survey (NMCRIS 140162, surveyed in 2018 by SWCA), and was therefore not resurveyed during the current undertaking.			

19. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.):			
The project area is in Lea County within the Chihuahuan Desert Basins and Playas (24a) Environmental Protection Agency Level III ecoregion (Griffith et al. 2006). The Chihuahuan Desert Basins and Playas include			

wide valleys (or basins) surrounded by terraces, mountain ranges, or mesas. The playas are formed by rainwater internally draining within the closed basins.

The elevation within the project area averages approximately 3,085 feet (940 m). The area is used today primarily for rangeland and oil and gas exploration. As a result of mining and oil and gas development, there are numerous roads, power lines, pipelines, well pads, and mines throughout the project area. Geology of this area consists of Holocene to middle Pleistocene eolian deposits as well as Piedmont alluvial deposits from the Holocene to lower Pleistocene. These deposits consist of higher gradient tributaries bordering major stream valleys, alluvial veneers of Piedmont slope, and alluvial fans. (Griffith 2006). The one soil mapped in the survey area was the Pyote and Maljamar fine sands, which are often found within plains and low rises. The soils are well drained with a negligible runoff class and are derived from sandy eolian deposits from sedimentary rock. These soils are not considered prime farmland (Natural Resources Conservation Service 2021).

The climate information for the survey area was compiled using the Jal, New Mexico (294346) climate station data (period of record March 1, 1919 to June 10, 2016). Rainfall for the general project area is most abundant from May through October, averaging 4.14 cm (1.63 inches), with September having the heaviest average precipitation. Snowfall is expectedly heaviest between December and January, with an average of 3.10 cm (1.2 inches) and can fall from November through April; annual snowfall averages 11.18 cm (4.4 inches). The average temperatures are coldest in January at -2.33 degrees Celsius (°C) (27.8 degrees Fahrenheit [°F]) and warmest in July at 35.33°C (95.6°F) (Western Regional Climate Center 2021).

The typical desert shrubs and grasses within the Chihuahuan Basin and Playas are dominated by creosotebush, along with tarbush, fourwing saltbush, acacias, gyp grama, and alkali sacaton. The vegetation must withstand large seasonal and diurnal ranges in temperature, low available moisture, and a high evapotranspiration rate. Horse creeper and other cacti are common. Plants observed during the survey include mesquite, shinnery oak, croton, Javelina bush, narrow leaf yucca, broom snakeweed, sandbur grass, grama grass, woolly tidestromia, and smaller grasses and forbs. Mesquite was an important prehistoric resource. Many of the other grasses and plants common to the region were also collected for subsistence and to provide material for non-subsistence use.

The most common animals found in the region are mule deer and coyote. Also typical to the area are bobcat, gopher, cottontail rabbit, jackrabbit, peccary, and various species of field mice, striped skunk, and pack rat (New Mexico Department of Game and Fish 2021). Prehistorically, bison were in the region during at least some periods. Bison, antelope, deer, and rabbit were important food resources for the prehistoric inhabitants.

References:

Griffith, G. E., J. M. Omernik, M. M. McGraw, G. Z. Jacobi, C. M. Canavan, T. S. Schrader, D. Mercer, R. Hill, and B. C. Moran

2006 Ecoregions of New Mexico (color poster with map, descriptive text, summary tables, and photographs). Reston, Virginia: U.S. Geological Survey (map scale 1:1,400,000).

Natural Resources Conservation Service

2021 Web Soil Survey. Available at: <https://websoilsurvey.nrcs.usda.gov/>. Accessed October 2021

New Mexico Department of Game and Fish

2021 Database query for Lea County. Biota Information System of New Mexico (BISON-M). Available at: <http://www.bison-m.org/>. Accessed October 2021

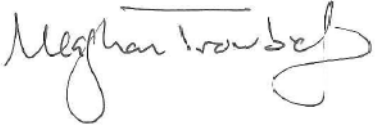
Western Regional Climate Center

2021 Climate Summary for Jal, New Mexico (294346). Available at: <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?nm4346>. Accessed October 2021

20.a. Percent Ground Visibility: Ground visibility in the project area ranges from 51 to 75 percent outside of the cleared well pad. Visibility is limited by vegetation and caliche gravels that have been eroded and distributed by sheet wash and flooding events.

b. Condition of Survey Area (grazed, bladed, undisturbed, etc.): Approximately 0.27 acres of the survey area have been affected by the inadvertent release.

21. CULTURAL RESOURCE FINDINGS ☐ Yes, See Page 5 ☒ No, Discuss Why: The project area is very small and has been heavily impacted by oil and gas activity in the area.

<p>22. Required Attachments (check all appropriate boxes):</p> <p><input checked="" type="checkbox"/> USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn</p> <p><input checked="" type="checkbox"/> Copy of NMCRIS Mapserver Map Check</p> <p><input type="checkbox"/> LA Site Forms - new sites (<u>with sketch map & topographic map</u>)</p> <p><input type="checkbox"/> LA Site Forms (update) - previously recorded & un-relocated sites (<u>first 2 pages minimum</u>)</p> <p><input type="checkbox"/> Historic Cultural Property Inventory and Historic Water Delivery System Forms</p> <p><input checked="" type="checkbox"/> List and Description of isolates, if applicable</p> <p><input type="checkbox"/> List and Description of Collections, if applicable</p>	<p>23. Other Attachments:</p> <p><input checked="" type="checkbox"/> Photographs and Log</p> <p><input type="checkbox"/> Other Attachments</p> <p>(Describe):</p>
<p>24. I certify the information provided above is correct and accurate and meets all applicable agency standards.</p> <p>Principal Investigator/Responsible Archaeologist: Meaghan A. Trowbridge</p> <p style="text-align: center;"></p> <p>Signature: _____ Date: 11/2/2021 Title (if not PI): _____</p>	
<p>25. Reviewing Agency:</p> <p>Reviewer's Name/Date</p> <p>Accepted () Rejected ()</p> <p>Tribal Consultation (if applicable): <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>26. SHPO</p> <p>Reviewer's Name/Date:</p> <p>HPD Log #:</p> <p>SHPO File Location:</p> <p>Date sent to ARMS:</p>

CULTURAL RESOURCE FINDINGS*[fill in appropriate section(s)]*

1. NMCRIS Activity No.: 149137	2. Lead (Sponsoring) Agency: SLO	3. Lead Agency Report No.:
SURVEY RESULTS: Sites discovered and registered: 0 Sites discovered and NOT registered: 0 Previously recorded sites revisited (<i>site update form required</i>): 0 Previously recorded sites not relocated (<i>site update form required</i>): 0 TOTAL SITES VISITED: 0 Total isolates recorded: 1 Non-selective isolate recording? <input checked="" type="checkbox"/> Total structures recorded (<i>new and previously recorded, including acequias</i>): 0 MANAGEMENT SUMMARY SWCA Environmental Consultants (SWCA) conducted an intensive Class III pedestrian survey in support of the Momentum 36 State SWD #1 Inadvertent Release Remediation Project in Lea County, NM. The inadvertent release covers approximately 0.27 acres (0.11 hectares) of lands managed by the SLO. In support of the remediation of the spill, SWCA completed a pedestrian survey on October 28, 2021. The survey covered the direct release area plus a 100 ft cultural buffer for a total of 4.07 acres (1.65 hectares). During this investigation, no new or previously recorded sites or historic properties were identified within the survey area; however, one IO was identified and consists of a single tan and white orthoquartzite complete flake with cortex present, measuring 4-5 cm in length. No additional cultural materials were encountered, and the IO is not recommended eligible for listing on the NRHP under any criteria; therefore, no further management is recommended. <u>IF REPORT IS NEGATIVE YOU ARE DONE AT THIS POINT.</u>		

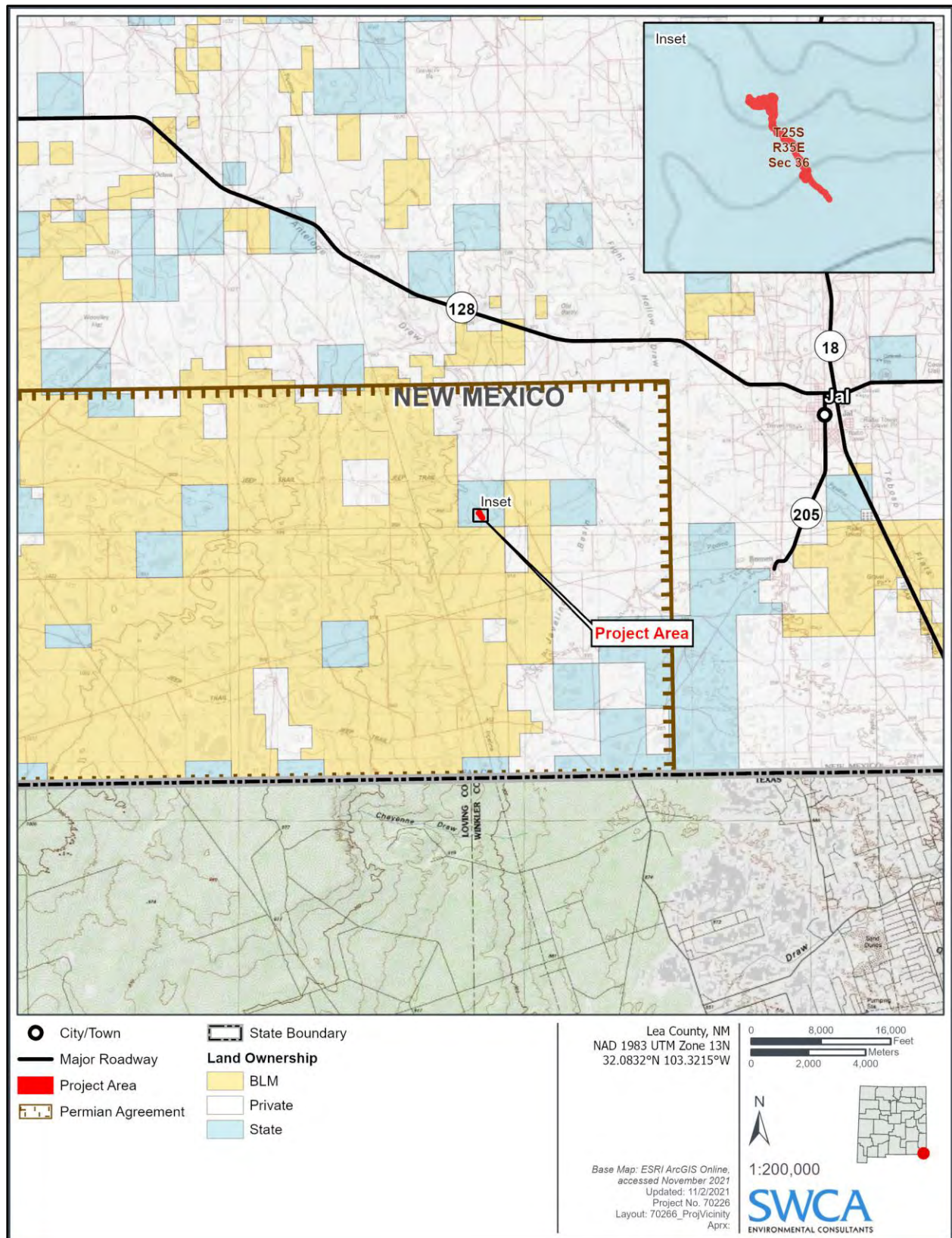


Figure 1. Project vicinity map.

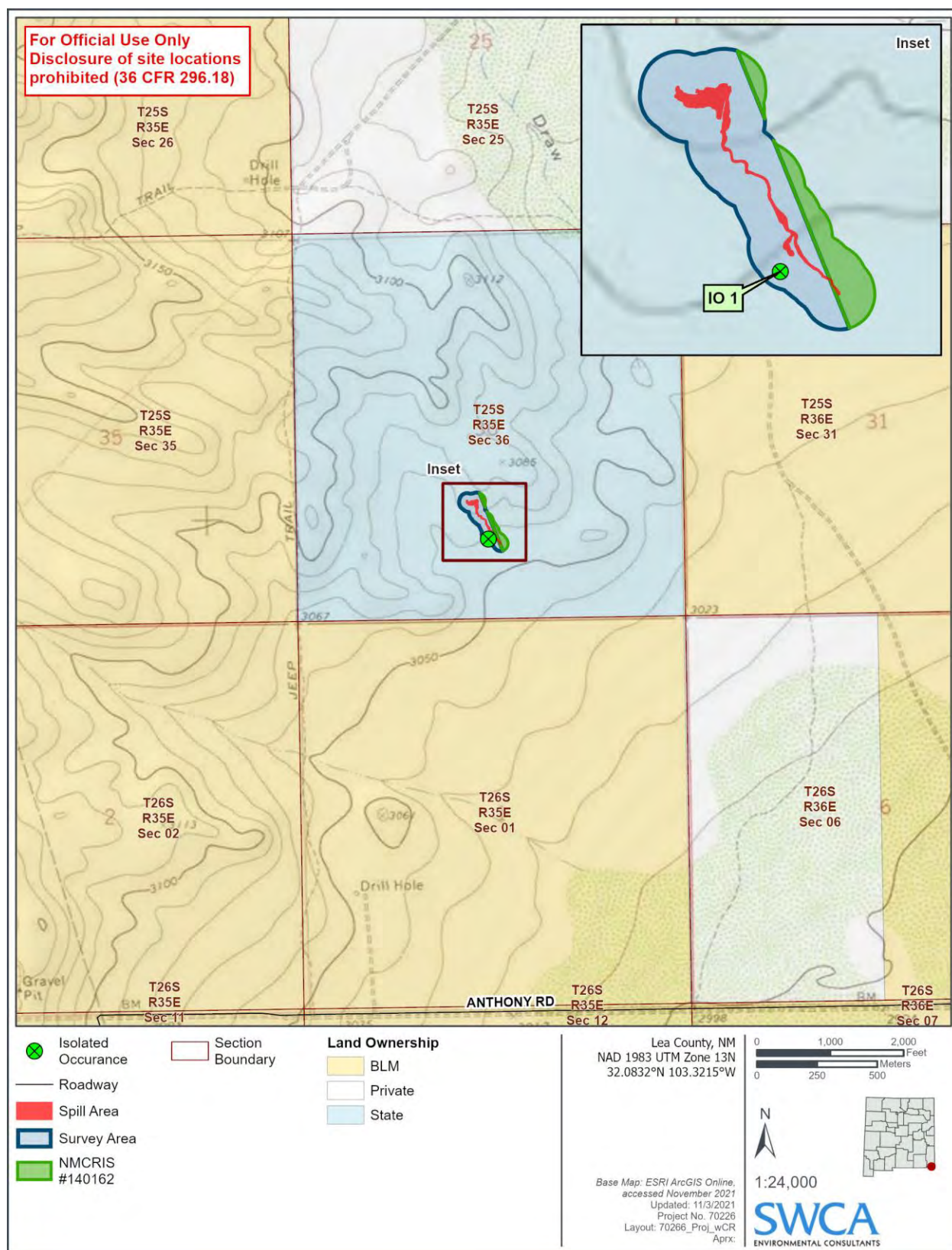


Figure 2. Project location map with cultural resources.



Figure 3. Overview of survey area, facing east (Frame T66-9458).



Figure 4. Overview of the inadvertent release area, facing south (Frame T66-6967).



Figure 5. Overview of the survey area, facing northeast (Frame T66-5913).



Figure 6. Detail of IO 1, an orthoquartzite flake (Frame T66-9829).

Table 1. Isolated Occurrences Observed during the Investigation*Table intentionally removed.***Table 2. Previous surveys within 0.31 mile (500 m) of the survey area**

NMCRIS No.	Performing Organization	Date of Investigation	Acres Surveyed	Sites Visited
95029	Boone Archaeological Services, LLC	12/31/2005	30.60	0
132715	Advanced Archaeological Solutions	2/25/2015	31.50	1
139307	Boone Archaeological Consultants, LLC.	11/9/2017	5.91	0
139625	Boone Archaeological Consultants, LLC.	1/3/2018	5.51	0
140162	SWCA Environmental Consultants	4/20/2018	50.71	3
145525	SWCA Environmental Consultants	4/2/2020	41.70	0
146462	SWCA Environmental Consultants	1/14/2021	75.02	1
147072	Boone Archaeological Consultants, LLC.	12/4/2020	28.47	0
147321	APAC	1/29/2021	10.03	0
148009	SWCA Environmental Consultants	5/25/2021	5.70	0

Table 3. Previous sites within 0.31 mile (500 m) of the survey area

LA No.	Discovering NMCRIS	Site Type	Eligibility	Relationship to project area
149780	94787	Prehistoric artifact scatter with features/Mogollon (A.D. 200-1400)	Eligible, Criterion D (HPD Log No. 114582; 2/15/2001)	Outside
178332	129811	Prehistoric artifact scatter with features/Mogollon (A.D. 1100-1500)	Eligible, Criterion D	Outside
178334	129811	Prehistoric artifact scatter/Mogollon (A.D. 200-1400)	Undetermined	Outside
190498	140162	Prehistoric artifact scatter/Mogollon (A.D. 1000-1400)	Undetermined (HPD Log No. 107810; 5/4/2018)	Outside
190499	140162	Unknown artifact scatter/Unknown aboriginal (9500 B.C. – A.D. 1880)	Undetermined (HPD Log No. 107810; 5/4/2018)	Outside

*Image intentionally removed***Figure 7. NMCRIS screenshot in the vicinity of project area (black polygon), showing previous surveys (tan and purple polygons) and previously recorded sites (red polygons).**

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

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

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

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

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

CONDITIONS

Action 239003

CONDITIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 907 Tradewinds Blvd, Suite B Midland, TX 79706	OGRID: 371643
	Action Number: 239003
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	10/3/2023