Received by OCD: 12/8/2020 2:51:00 PM Form C-141 State of New Mexico

Oil Conservation Division

	Page 1 of 5
Incident ID	nRM2033538690
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

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

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

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

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

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

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

Page 3

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			Facility ID	
			Application ID	
regulations all operators are republic health or the environme failed to adequately investigate addition, OCD acceptance of a and/or regulations. Printed Name: Lyanne La Signature:	Jan	tifications and perform co OCD does not relieve the reat to groundwater, surfa	orrective actions for rele e operator of liability sho ice water, human health liance with any other fec tal Specialist	ases which may endanger ould their operations have or the environment. In
OCD Only Received by: Cristina	Eads	Date: <u>12/0</u>	8/2020	

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Oil Conservation Division

Incident ID	nRM2033538690
District RP	
Facility ID	
Application ID	

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## Closure

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

<u>Closure Report Attachment Checklist</u>: 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: Lyanne Lara
 Title: Environmental Specialist

 Signature:
 Printed Name: Lyanne Lara

 Date:
 12/8/2020

 email:
 Lyanne.lara@energytransfer.com

 Telephone:
 (432)425-5710

 OCD Only
 Date:

 Received by:
 Cristina Eads

 Date:
 12/08/2020

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: _	02/19/2021
Printed Name: Cristina Eads	Title:	Environmental Specialist

# **Remediation Summary and Soil Closure Request**

### Sunoco Partners Marketing & Terminals, LP Whitehorn Road

Eddy County, New Mexico Unit Letter D, Section 15, Township 26 South, Range 29 East Latitude 32.04886 North, Longitude 103.98002 West NMOCD Reference No. nRM2033538690

Prepared By:

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

Ben J. Arguijo

Joel W. Lowry

Environmental & Safety Solutions, Inc.

Midland • San Antonio • Lubbock • Lovington • Lafayette

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- Appendix B Field Data and Soil Profile Logs
- Appendix C Laboratory Analytical Reports
- Appendix D Photographic Log

### 1.0 **PROJECT INFORMATION**

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Sunoco Partners Marketing & Terminals, LP, has prepared this Remediation Summary and Soil Closure Request for the release site known as Whitehorn Road. Details of the release are summarized below:

Latitude:		32.04	886	Longitude		-103.98002				
Lutitude.		52.0		ed GPS are in WGS84 for		103.90002				
Site Name:		White	orn Road	Site Type:	County/	Lease Road (Truc	k Spill)			
Date Release Dis	covered		11/3/2020	API # (if appli		N/A				
Unit Letter	Sect	ion	Township	Range	County					
D	1		26S	29E	Eddy					
Surface Owner:	Stat	e XF	ederal Tribal	Private (Na						
			Nature al							
X Crude Oil		Volume	Released (bbls)	16	Volume Rec	overed (bbls)	6			
Produced W	/ater	Volume	Released (bbls)		Volume Rec	overed (bbls)				
			ncentration of total		Yes	No X N/	ΆA			
Condensate		Volume	Released (bbls)		Volume Rec	Volume Recovered (bbls)				
Natural Gas	5	Volume	Released (Mcf)		Volume Rec	overed (Mcf)				
Other (desc	ribe)	Volume/	Weight Released		Volume/Wei	ght Recovered				
-	ndernea		transport truck fail 1 both before and a							
			Iı	nitial Response						
X The source of	of the re	lease has	been stopped.							
X The impacted	l area h	as been s	ecured to protect hun	nan health and the e	nvironment.					
X Release mate	erials ha	ve been	contained via the use	of berms or dikes,	absorbent pad, or	other containment	devices			
					aged appropriatel					

### 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 release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	120	) feet
Did the release impact groundwater or surface water?	Yes	X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes	X No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark?	Yes	X No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	Yes	X No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes	X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes	X No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes	X No
Are the lateral extents of the release within 300 feet of a wetland?	Yes	X No
Are the lateral extents of the release overlying a subsurface mine?	Yes	X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes	X No
Are the lateral extents of the release within a 100-year floodplain?	Yes	X No
Did the release impact areas not on an exploration, development, production or storage site?	X Yes	No

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

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

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

Probable Depth to Groundwater Chlorida		Method	Closure Criteria	Reclamation Standard*
	Chloride	EPA 300.0 or SM4500 Cl B	20,000 mg/kg	600 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg	100 mg/kg
95 feet	DRO + GRO	EPA SW-846 Method 8015M	1,000 mg/kg	-
	BTEX	EPA SW-846 Methods 8021b or 8260b	50 mg/kg	50 mg/kg
	Benzene	EPA SW-846 Methods 8021b or 8260b	10 mg/kg	10 mg/kg

\* The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas.

### 4.0 **REMEDIATION ACTIVITIES SUMMARY**

On November 17, 2020, remediation activities commenced at the site. Olfactory/visual senses and/or a Photoionization Detector (PID) were utilized to determine the horizontal and vertical extent of soil impacts. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standard was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal.

Etech collected ten (10) excavation confirmation soil samples (FL-1 through FL-6, North, East, South, and West). The soil samples were submitted to a certified commercial laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and the NMOCD Reclamation Standard in each of the submitted soil samples. Laboratory analytical results also suggested the crude oil-only release commingled with an unrelated historical produced water release (or releases) of unknown date(s) and volume(s), based on elevated chloride concentrations in soil samples FL-4, FL-5, FL-6, East, South, and West.

On November 23, 2020, three (3) soil samples (BG-N, BG-S, and BG-W) were collected and submitted to the laboratory to determine the background concentrations of chloride in the area. Background soil samples BG-N and BG-S were collected outside the release margins, up-gradient and down-gradient, respectively, of the subject release. Background soil sample BG-W was collected outside of the release margins from within the bar-ditch on the west side of the caliche access road. Laboratory analytical results indicated background chloride concentrations ranged from 464 mg/kg in soil sample BG-N to 1,650 mg/kg in sample BG-W.

A "Site & Sample Location Map" is provided as Figure 3. A soil chemistry table is provided as Table 1. Field data and soil profile logs are provided in Appendix B. Laboratory analytical reports are provided in Appendix C. General photographs of the release site are provided in Appendix D.

The final dimensions of the excavated area were 185 feet in length, 3 to 4 feet in width, and 2 to 3 feet in depth. During the course of remediation activities, approximately 80 cubic yards of impacted soil were transported to an NMOCD-approved surface waste facility for disposal.

### 5.0 **RESTORATION, RECLAMATION AND RE-VEGETATION PLAN**

Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was 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 lease roads will be reseeded with an agency-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

### 6.0 SOIL CLOSURE REQUEST

Remediation activities were conducted in accordance with applicable NMOCD regulations. Laboratory analytical results and field test results indicated the crude oil-only release was fully delineated horizontally and vertically. Impacted soil affected above the NMOCD Closure Criteria, NMOCD Reclamation Standards, and/or background concentrations was excavated and transported to an NMOCD-approved disposal facility.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Sunoco Partners Marketing & Terminals, LP, provide copies of this *Remediation Summary and Soil Closure Request* to the appropriate agencies and request closure be granted to the Whitehorn Road release site.

### 7.0 LIMITATIONS

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

This report has been prepared for the benefit of Sunoco Partners Marketing & Terminals, LP. Use of the information contained in this report is prohibited without the consent of Etech and/or Sunoco Partners Marketing & Terminals, LP.

### 8.0 **DISTRIBUTION**

### Sunoco Partners Marketing & Terminals, LP

600 N. Marienfield St., Suite 700 Midland, TX 79701

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

Oil Conservation Division, District 2 811 S. First Street Artesia, NM 88210

(Electronic Submission)

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# Figure 1 Topographic Map



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# Figure 2 Aerial Proximity Map

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# Figure 3 Site and Sample Location Map



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# Table 1Concentrations of BTEX, TPH, and/or Chloride in Soil

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	CON	CENTR	ATION	S OF BEI	TABI NZENE, B		H AND CI	HORIDE	IN SOIL		
	0011	011111			ers Marke	· · · · · ·			I ( DOIL		
					Whiteho	rn Road	,				
				NMOC	D Ref. #: r	nRM20335	538690				
NMO	CD Closure C	riteria		10	50	-	-	1,000	-	2,500	20,000
NMOCD	Reclamation	Standard		10	50	-	-	-	-	100	600
				SW 840	5 8021B		SW	846 8015M	Ext.	-	4500 Cl
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL-1	11/17/2020	2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL-2	11/17/2020	2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL-3	11/17/2020	2'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL-4	11/17/2020	3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL-5	11/17/2020	3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL-6	11/17/2020	3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
North	11/17/2020	0' - 3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
East	11/17/2020	0' - 3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
South	11/17/2020	0' - 3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
West	11/17/2020	0' - 3'	In-Situ	< 0.050	< 0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
BG-N	11/23/2020	Surface	In-Situ	-	-	-	-	-	-	-	464
BG-S	11/23/2020	Surface	In-Situ	-	-	-	-	-	-	-	736
BG-W	11/23/2020	Surface	In-Situ	-	-	-	-	-	-	-	1,650

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# Appendix A Depth to Groundwater Information

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# 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 replaced O=orpha C=the fil closed)	, ined,	n		· •				√ 2=NE est to lar	3=SW 4=5 rgest) (	SE) NAD83 UTM in	meters)	(In fe	eet)	
		POD Sub-		0	Q	0								W	ater
POD Number	Code		County					Tws	Rng	Х	Y	DistanceDe	pthWellDept		
<u>C 01354 X-3</u>		CUB	ED		1		23	26S	29E	598323	3543837 🧲	3195	170		
<u>C 03507 POD1</u>		С	ED	1	3	3	05	26S	29E	593064	3548313	3802	140	78	62
<u>C 03508 POD1</u>		С	ED	1	3	3	05	26S	29E	593063	3548361 🧉	3828	140	75	65
<u>C 03605 POD1</u>		CUB	ED	4	2	3	27	26S	29E	596990	3541983 🌍	4378	45	0	45
											Aver	age Depth to Wat	ter:	51 feet	t
												Minimum De	epth:	0 feet	t
												Maximum De	epth:	78 feet	t
Record Count: 4															
UTMNAD83 Radius	<u>s Search (ii</u>	n meters	) <u>:</u>												
<b>Easting (X):</b> 596	5293.68		North	ning	; <b>(Y)</b>	:	3546	306.33	3		<b>Radius:</b> 4830				

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

11/12/20 11:58 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



			(quarters (quarter	are 1=N s are sm				(NAD83 UT	M in meters)	
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	X	Y	
	C 0.	3507 POD1	1	3 3	05	26S	29E	593064	3548313 🌍	
x Driller Lic	ense:	1058	Driller (	Compa	ny:	KE	Y'S DRI	LLING & P	UMP SERVIC	E
Driller Na	me:	KEY, CLINTON								
Drill Start	Date:	08/26/2011	Drill Fin	ish Da	te:	0	8/26/201	1 <b>Plu</b>	g Date:	
Log File D	ate:	09/12/2011	PCW Ro	v Date	e:			Sou	irce:	Shallow
<b>Pump Type:</b> SUBMER			Pipe Dis	charge	Size	:		Est	35 GPM	
Casing Siz	e:	6.00	Depth W	ell:		14	40 feet	Dep	Depth Water:	
X	Wate	er Bearing Stratif	ications:	Te	op B	Bottom	Descri	iption		
				,	78	79	Shale/	Mudstone/Si	iltstone	
				10	)5	106	Sandst	tone/Gravel/	Conglomerate	
X		Casing Perf	orations:	To	op B	Bottom	l			
				,	75	112	,			

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

11/12/20 11:58 AM

POINT OF DIVERSION SUMMARY



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

			< <b>1</b>	s are 1=N rs are sm			W 4=SE) t)	(NAD83 U	ΓM in meters)	
Well Tag	POD	Number	Q64 Q			e	/	X	Y	
8	C 0	3508 POD1		3 3	05	26S	29E	593063	3548361 🌍	
x Driller Lic	ense:	1058	Driller (	Compa	ny:	KE	Y'S DRII	LLING & P	UMP SERVIC	E
Driller Na	me:	KEY, CLINTON								
Drill Start	Date:	08/24/2011	Drill Fin	nish Da	te:	08	8/24/2011	l Plu	ıg Date:	
Log File D	ate:	09/12/2011	PCW Re	cv Date	:			So	urce:	Shallow
Ритр Тур	e:	SUBMER	Pipe Dis	Pipe Discharge Size:					<b>Estimated Yield:</b>	
Casing Siz	e:	6.00	Depth W	Depth Well:		140 feet		De	Depth Water:	
X	Wate	er Bearing Stratif	ications:	То	op E	Bottom	Descri	ption		
					75	76	Shale/N	Mudstone/S	litstone	
X		Casing Perf	orations:	To	p E	Bottom				
				(	55	105				

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POINT OF DIVERSION SUMMARY

Alertida Street Connection		<i>Mexico</i> nt of E	00		v		U	
		(quarters are 1= (quarters are s			,	(NAD83 UT	M in meters)	
Well Tag PO	D Number	Q64 Q16 Q	4 Sec	Tws	Rng	Х	Y	
С	03605 POD1	4 2	3 27	26S	29E	596990	3541983 🧲	
x Driller License:	: 1249	Driller Comp	any:	AT	KINS EN	GINEERIN	G ASSOC. II	NC.
Driller Name:	ATKINS, JACKIE	D. (LD)						
Drill Start Date	: 01/23/2013	Drill Finish I	)ate:	0	1/23/2013	Plug	g Date:	01/28/2013
Log File Date:	02/26/2013	PCW Rcv Da	ite:			Sou	rce:	
Pump Type:		Pipe Dischar	ge Size	:		Esti	mated Yield	:
<b>Casing Size:</b>		Depth Well:		4	5 feet	Dep	oth Water:	0 feet

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

11/12/20 11:58 AM

POINT OF DIVERSION SUMMARY

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National Water Information System: Web Interface

**USGS** Water Resources

Data Category: Groundwater

✓ Geographic Area:
 ✓ United States

✓ GO

Click to hideNews Bulletins

for a changing work

- **UPDATE** November 6, 2020 5:00 pm ET: A fix has been deployed for the issue impacting the delivery of real-time data to NWISWeb which occurred on November 1, 2020. Any remaining gaps in web display are being filled at this time. We apologize for any inconvenience this may have caused.
- Explore the **NEW** <u>USGS National Water Dashboard</u> to access real-time data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

#### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

320301103572201

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 320301103572201 26S.29E.16.213241

Eddy County, New Mexico Latitude 32°03'01", Longitude 103°57'22" NAD27 Land-surface elevation 2,958 feet above NAVD88 The depth of the well is 335 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Та	hle	of	data
110	DIE	U	uala

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Wate level appro statu

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1978-01-17	D	123.62	2	U	U
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Explanation					
Section		Description			
Water-level date-time accuracy		Date is accurate to the Day			
Water-level accuracy		Water level accuracy to nearest hundredth of a foot			
Status		The reported water-level measurement represents a static level			
Method of measurement		Steel-tape measurement.			
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<i>Received by OCD: 12/8/2020 2:51:00 PM</i>	/		<b>Page 27 of 55</b>
Section	Code	Description	1 uge 27 0j 59
Measuring agency		Not determined	
Source of measurement	U	Source is unknown.	
Water-level approval status	А	Approved for publication Processing and review completed.	

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-11-12 13:55:15 EST 0.27 0.25 nadww01 USA.gov



**USGS Water Resources** 

Data Category: Groundwater

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Geographic Area: United States

✓ GO

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for a changing world

- **UPDATE** November 6, 2020 5:00 pm ET: A fix has been deployed for the issue impacting the delivery of real-time data to NWISWeb which occurred on November 1, 2020. Any remaining gaps in web display are being filled at this time. We apologize for any inconvenience this may have caused.
- Explore the **NEW** USGS National Water Dashboard to access real-time data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

#### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

320307104005301

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 320307104005301 26S.28E.13.11214

Eddy County, New Mexico Latitude 32°03'07", Longitude 104°00'53" NAD27 Land-surface elevation 2,858 feet above NAVD88 This well is completed in the Rustler Formation (312RSLR) local aquifer.

 Output formats

 Table of data

 Tab-separated data

 Graph of data

 Reselect period



1948-12-15	D	60.00	2	U		U
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1988-03-22	D	57.73	2	U		U
1993-01-05	D	59.83	2	S		U
1998-01-22	D	53.45	2	S		U
2003-01-27	D	58.88	2	S	USGS	А

Received by OCD: 12/8/2020 2:			- Page 29 of 55
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Method of measurement	U	Unknown method.	
Measuring agency		Not determined	
Measuring agency	USGS	U.S. Geological Survey	
Source of measurement	А	Reported by another government agency (do not use "A" if reported by owner, use "O").	
Source of measurement	U	Source is unknown.	
Water-level approval status	А	Approved for publication Processing and review completed.	

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-11-12 13:55:13 EST 0.27 0.24 nadww01 USA.gov

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# **Appendix B** Field Data and Soil Profile Logs



# Initial Release Assessment Form

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oject: Sunoco Truck Release Clean Up Level: 600 mg/kg Cl-, 100 mg/kg TPH	Environmental & Safety Solutions,	Inc.			Da	to.		
oject Number:       13427       Latitude:       32.04886       Longitude:       -103.98002         Site Diagram       July       <	roiect: Sunoco Truc		Clean Up Le	Date: Level: 600 mg/kg Cl-, 100 mg/kg TPH			н	
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Sunoco Truck Release

13427 Latitude:

Project:

Project Number:

Sample Log

32.04886

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Longitude: -103.98002

Sample ID	PID/Odor	Chloride Conc.	GPS
Nelleto,		NA	
WW-1 EW-&-1 WW-&-1 South SW -1 FL - 1	NO		
EN- &-1	No		
WW-8-1	NO		
South SW 6-1	NO		
FI - 1	NO		
FL -2	NO		
FL -3	No		
FL - 4	No		
FL - 5	NO		
PL5		4	
	-++		
Sample Point = SP #1 @ ## etc		Test Trench = TT #1 @ ##	Resamples= SP #1 @ 5b or SW #1b Stockpile = Stockpile #1 GPS Sample Points, Center of Comp Ar
Floor = FL #1 etc		Refusal = SP #1 @ 4'-R	Stockpile = Stockpile #1
Sidewall = SW #1 etc		Soil Intended to be Deferred = SP #1 @ 4' In-Situ	GPS Sample Points, Center of Comp Ar



# Soil Profile

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# **Appendix C Laboratory Analytical Reports**



November 18, 2020

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

RE: SUNOCO TRUCK RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 11/17/20 16:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

#### Analytical Results For:

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

Received:	11/17/2020	Sampling Date:	11/17/2020		
Reported:	11/18/2020	Sampling Type:	Soil		
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact		
Project Number:	13427	Sample Received By:	Tamara Oldaker		
Project Location:	ETC - EDDY CO NM				

#### Sample ID: FL - 1 (H003047-01)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
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	11/18/2020	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	11/18/2020	ND	218	109	200	9.37	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	218	109	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	81.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.5	% 42.2-15	6						

#### Cardinal Laboratories

\*=Accredited Analyte

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

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: FL - 2 (H003047-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	218	109	200	9.37	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	218	109	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	79.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.6	% 42.2-15	6						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: FL - 3 (H003047-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	218	109	200	9.37	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	218	109	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	83.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.9	% 42.2-15	6						

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## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: FL - 4 (H003047-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	218	109	200	9.37	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	218	109	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	80.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.4	% 42.2-15	6						

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## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: FL - 5 (H003047-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	218	109	200	9.37	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	218	109	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	87.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.9	% 42.2-15	6						

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## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: FL - 6 (H003047-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	218	109	200	9.37	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	218	109	200	17.6	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	84.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.2	% 42.2-15	6						

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## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: NORTH (H003047-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	196	97.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	211	106	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	86.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.9	% 42.2-15	6						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: EAST (H003047-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	196	97.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	211	106	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	70.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.6	% 42.2-15	6						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: SOUTH (H003047-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	196	97.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	211	106	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.2	% 42.2-15	6						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received:	11/17/2020	Sampling Date:	11/17/2020
Reported:	11/18/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: WEST (H003047-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2020	ND	1.93	96.5	2.00	5.03	
Toluene*	<0.050	0.050	11/18/2020	ND	1.86	92.8	2.00	5.05	
Ethylbenzene*	<0.050	0.050	11/18/2020	ND	1.94	96.9	2.00	5.11	
Total Xylenes*	<0.150	0.150	11/18/2020	ND	5.57	92.8	6.00	4.79	
Total BTEX	<0.300	0.300	11/18/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	11/18/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2020	ND	196	97.8	200	11.8	
DRO >C10-C28*	<10.0	10.0	11/18/2020	ND	211	106	200	18.1	
EXT DRO >C28-C36	<10.0	10.0	11/18/2020	ND					
Surrogate: 1-Chlorooctane	81.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.5	% 42.2-15	6						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

## Cardinal Laboratories

## \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ARDINAL LABORATORIES

Re

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

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

Company Name: Etech Environn	nental & Safety Solut	tions,	Inc					22		BI	LL TO						AN	ALYS	SIS F	EQU	EST			
Project Manager: Joel Lowry								P.O.	#:															Т
ddress: P.O. Box 301								Com	npar	ıy:	ETC C/O	Ryan Reich												
City: Lovington	State: NM	Zip:	882	260				Attn							I									
hone #: (575) 396-2378 Fax #: (575) 396-1429								Add	ress	:						1								
Project #: 13427	Project Owner	r:	ET	С				City	:															
roject Name: Sunoco Truck Rele	ase							Stat			Zip:			(WS	18									
roject Location: Rural Eddy, NM	1							Pho	ne #	ł:			Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name: Dustin Crockett			_				-	Fax					Chic	H	X									
FOR LAB USE ONLY		П			MA	TRD	_	_	-	BERV.	SAMPLI	NG	Ŭ	₽	H H									
Lab I.D. Sampl	e I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER:	DATE	TIME												
[ FL-1		С	1		X				>	<	11/17/20		Х	X	X									
Z FL-2		С	1		X				>	(	11/17/20		Х	X	X									
3 FL-3		С	1		X	-			)	(	11/17/20		Х	X	X				_					1
4 FL-4		С	1		X	-			>	(	11/17/20		Х	X	X		-	-	-		-	-		$\perp$
5 FL-5		С	1	-	X	-		-	)	-	11/17/20		X	X	X	-	-	-	-	-	-	-		+
6 FL-6		С	1	-	X	-		+	)	-	11/17/20		Х	X	X	+	+	-	+	-	-	+	-	+
7 North		С	1		X	-		+	)	-	11/17/20	-	Х	X	X	+	-	+	+	-	+	+	-	+
& East		c	1	+	X	-		+	)	-	11/17/20	-	X	X	X	+	-	+	+	+	-	+	-	+
9 South 10 West		c c	1		X	-		+	)		11/17/20		X	X	X	+	+	+	+	+	+	+	-	+
LEASE NOTE: Liability and Damages. Cardinal's liability a nalyzes. All claims including those for negligence and any ervice. In no event shall Cardinal be liable for incidental or filtates or successors arising out of or related to the perform Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	other cause whatsoever shall be consequental damages, including	deemed a without ardinal, Rec	ceiv	d unless tion, bus diess of red B red B	s made i siness in whether y:	Cor Inta	ng and fors, to claim is a d nditic	based	d by Ci se, or k upon s	ardinal w oss of pr any of th May HECK	within 30 days after rofits incurred by c	r completion of th lient, its subsidiar	e applicat les, e. sult: t: S:	□ Ye □ Ye	es [	<u>No</u> No	Add	"I Phor "I Fax #	¥:	JSH C	HLOF	RIDE A	ND TF	PH.



November 23, 2020

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

RE: SUNOCO TRUCK RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 11/20/20 14:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Whe Singh

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



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

Received:	11/20/2020	Sampling Date:	11/19/2020
Reported:	11/23/2020	Sampling Type:	Soil
Project Name:	SUNOCO TRUCK RELEASE	Sampling Condition:	Cool & Intact
Project Number:	13427	Sample Received By:	Tamara Oldaker
Project Location:	ETC - EDDY CO NM		

## Sample ID: BG - N (H003085-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	11/23/2020	ND	400	100	400	7.69	

## Sample ID: BG - S (H003085-02)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	11/23/2020	ND	400	100	400	7.69	

## Sample ID: BG - W (H003085-03)

Chloride, SM4500Cl-B	Analyze	d By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	11/23/2020	ND	400	100	400	7.69	

## **Cardinal Laboratories**

## \*=Accredited Analyte

Mite Sugar

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



## **Notes and Definitions**

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

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

#### Cardinal Laboratories

## \*=Accredited Analyte

Mite Sugar

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



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FAN (FTE) 202 2476

Company Name:	(575) 393-2326 FAX Etech Environmental			nc.				N		B	3/L	LTO		-				ANA	YSIS	RE	QUE	51			_
Project Manager: Joel Lowry							Ρ.	P.O. #:									1								
Address: P.O. Box 301							C	Company: ETC C/O Ryan Reid																	
City: Lovington State: NM Zip: 88260							A	Attn:																	
City: 2010/900							-	ddre	SS:																
Phone #: (575) 396-2378 Pax #: (575) 396-1423   Project #: 13427 Project Owner: ETC						c	City:							-											
	Sunoco Truck Release								State: Zip:						5M	218	1.1								
	n: Rural Eddy, NM							P	hone	e #:				Chloride	TPH (8015M)	BTEX (8021B)									
Sampler Name:								-	ax #					- F	H	1 ä									
FOR LAB USE ONLY	Dustin crockett		П	Т		MAT	RIX		-	ESER	٦V.	SAMPLIN	NG	1	1	H									
Lab I.D.	Sample I.E	D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
1180 100	BG - N		G	1		X			Τ	X		11/19/20		X		-	-	-	-	-	-	-			⊢
	BG - S		G	1		X				X		11/19/20		X	-	-	-	-	-	-	-				+
	BG - W		G	1		X				X		11/19/20		X	-	-	-	-	+	+	+	-			+
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						+	-	+	+	-		-		+	+	+	+	-	+	+	1	1			T
	and Damages. Cardinal's liability and client	2.0			whether	r hased	d in cor	ntract or	tort, sh	all be lin	nited t	to the amount pair	d by the client f	or the	-	1	-	-	-	-	-	-			
analyses. All claims includ	ding those for negligence and any other ca	use whatsoever shall b	e geennes	Emited	ion hucir	nees in	ternunt	ions los	s of us	e, or loss	s of pr	offs incurred by o	client, its subsid	iaries,	cable										
service. In no event shall ( affiliates or successors ari	Cardinal be liable for incidental or conseque sing out of or related to the performance of	it services hereunder b	Cardinal	, regard	diess of w	ilicule:	r such	claim is	based	upon any	y of the	e above stated re	Phone R			es	No		'l Phone						
Relinquished B	SV:	Date: 11-20-20	) Re	Celv	eu	¥.			1	11		11.1	Fax Res REMAR		01	es	□ No	Add	'l Fax #						
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Relinquished E	Βγ:	Date:	Re	ceiv	ed B	y:						/													
		Time:											Please	email	resu	ts to	om@e	teche	env.co	m. RU	SH S	AMPL	ES.		
	y: (Circle One) S - Bus - Other:	2.1°	#1	13	C	loc	Inta	nditio act Yes No		-		(ED BY: tials)					0								

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# Appendix D Photographic Log

## Photographic Log





CONDITIONS

Action 11521

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 <u>District IV</u> 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 OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
ETC TE	XAS PIPELINE, LTD.	8111 Westchester Drive	371183	11521	C-141
Suite 600	Dallas, TX75225				
OCD Reviewer			Condition		
ceads			None		