



200 ft

Google Earth

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Sunoco Station

Legend

 18" - 2' excavation

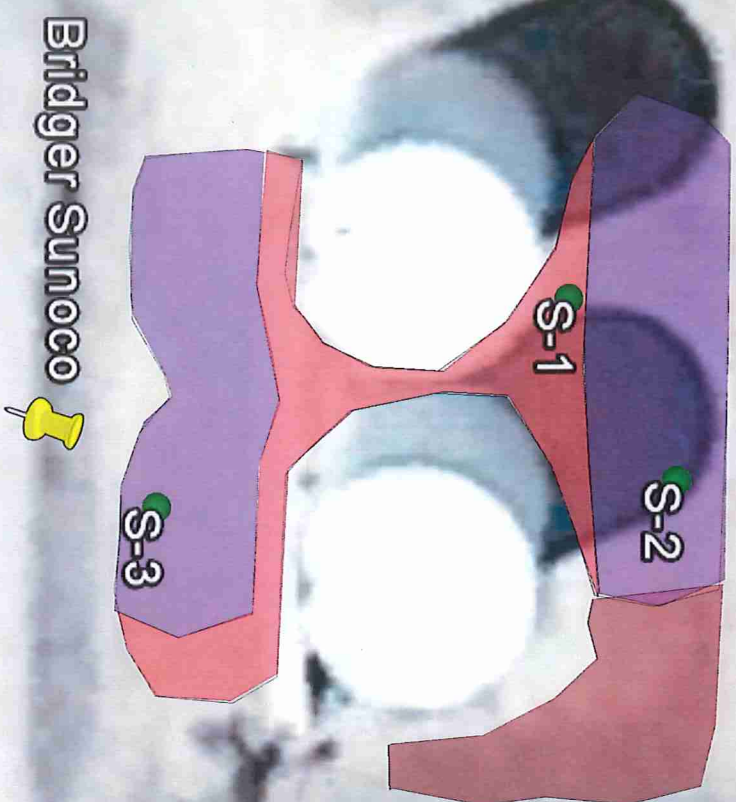
 1st Impacted Area

 2nd Impacted area

 4' excavation

 Bridger Sunoco

 Sample points



Sunoco Station

Legend

18" - 2' excavation

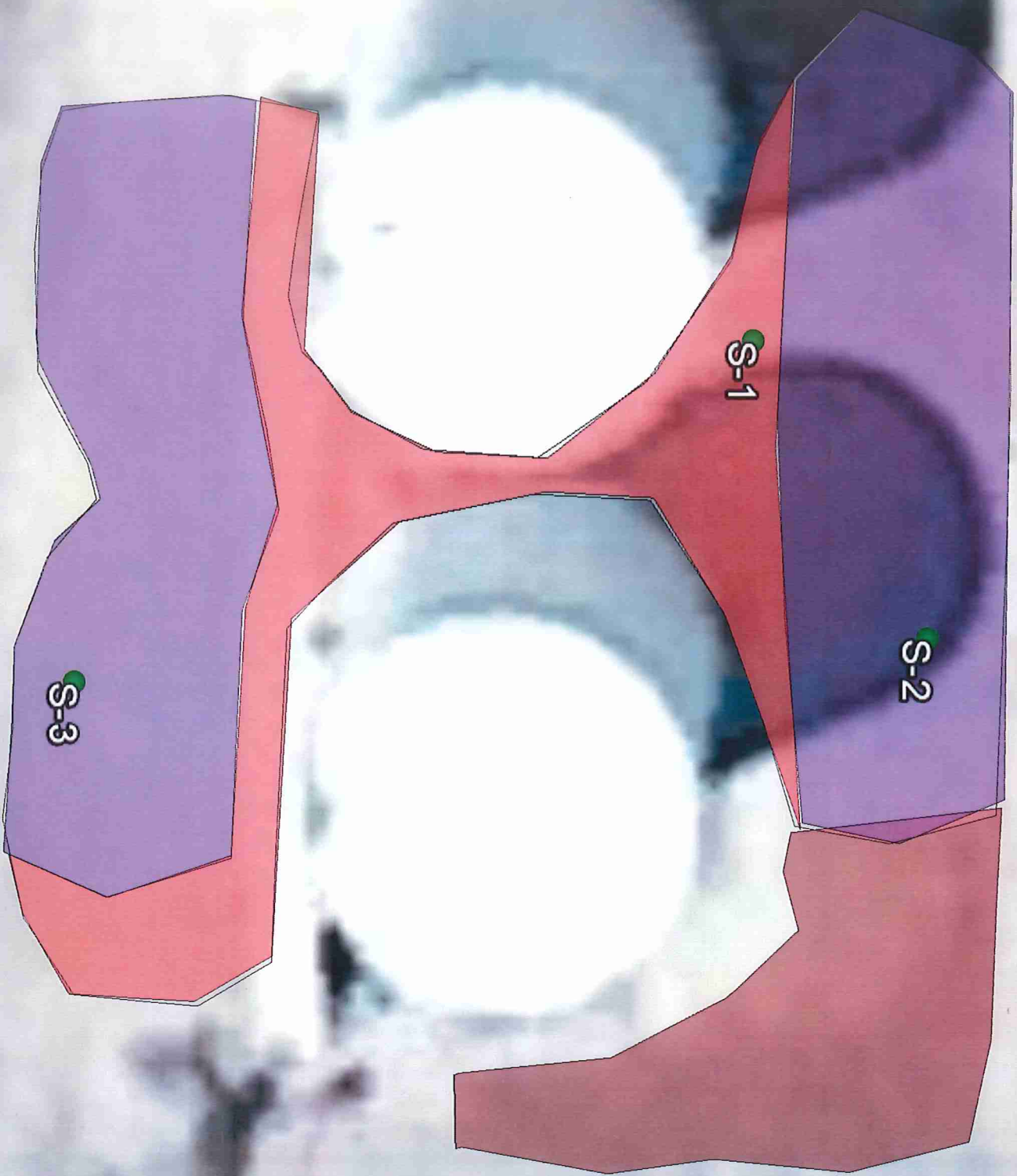
1st Impacted Area

2nd Impacted area

4' excavation

Bridger Sunoco

Sample points



20 ft





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	POD Code	Sub-basin	County	Q 6	Q 4	Q 1	Q 2	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 01216			ED	4	1	1	13	23S	28E		589801	3575205*	638	60	45	15
C 03460 POD1	C		ED	3	1	2	14	23S	28E		588857	3575004	1095	100	38	62
C 01217			ED	1	1	3	13	23S	28E		589606	3574593*	1218	87	50	37
C 03469 POD3	C		ED	3	4	3	11	23S	28E		588381	3575538	1248	47		
C 03469 POD2	C		ED	3	4	3	11	23S	28E		588382	3575506	1254	48		
C 03469 POD1	C		ED	3	4	3	11	23S	28E		588374	3575538	1254	68	38	30
C 01214			ED	1	2	3	13	23S	28E		590010	3574597*	1281	70	20	50
C 02702	C		ED		2		13	23S	28E		590715	3575108*	1318	38	20	18
C 01967	C		ED		2	3	13	23S	28E		590111	3574498*	1409	264	200	64
C 01215			ED	4	2	3	13	23S	28E		590210	3574397*	1540	104	15	89
C 00512 EXPL	O		ED		1		11	23S	28E		588272	3576703*	1598	200	16	184
C 00315	C		ED	3	1	3	11	23S	28E		587973	3575995*	1636	100	45	55
C 00512	C		ED	4	1	1	11	23S	28E		588188	3576775	1708	175	15	160
C 00608	C		ED	3	3	1	11	23S	28E		587970	3576401*	1732	200		
C 00512 CLW198323	O		ED	4	1	1	11	23S	28E		588167	3576806*	1743	100		
C 00512 S	C		ED	4	1	1	11	23S	28E		588167	3576806*	1743	100		
C 00616			ED	1	3	1	14	23S	28E		587982	3574978*	1818	120	30	90
C 00235	C		ED		2	2	15	23S	28E		587676	3575280*	1994	160		

Average Depth to Water: **44 feet**

Minimum Depth: **15 feet**

Maximum Depth: **200 feet**

Record Count:18

UTMNAD83 Radius Search (in meters):

Easting (X): 589599

Northing (Y): 3575811

Radius: 2000

*UTM location was derived from PLSS - see Help

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

10/6/17 12:12 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Laboratory Results

See [Appendix IV](#) for complete report of laboratory results.

Subject: Sunoco / Bridger
Sunoco Pecos River Station Truck Unloading

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	1.0	149	<16	2070	5230
S-2	4.0	35.9	64	565	3320
S-3	2.0	<0.300	<16	<50	1840

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 100 mg/kg for TPH and the recommended guideline for Total Chlorides is 600 mg/kg.



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

October 05, 2017

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SUNOCO / BRIDGER

Enclosed are the results of analyses for samples received by the laboratory on 10/03/17 9:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 10/03/2017
 Reported: 10/05/2017
 Project Name: SUNOCO / BRIDGER
 Project Number: 702231.004.01
 Project Location: EDDY CO NM

 Sampling Date: 10/02/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S-1 1' (H702672-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.57	0.500	10/04/2017	ND	1.93	96.4	2.00	0.568	
Toluene*	29.1	0.500	10/04/2017	ND	1.73	86.6	2.00	0.315	
Ethylbenzene*	9.94	0.500	10/04/2017	ND	1.78	89.1	2.00	0.0995	
Total Xylenes*	107	1.50	10/04/2017	ND	5.47	91.1	6.00	0.191	
Total BTEX	149	3.00	10/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 122 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/03/2017	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	2070	50.0	10/03/2017	ND	217	108	200	0.381	
DRO >C10-C28	5230	50.0	10/03/2017	ND	227	113	200	0.189	

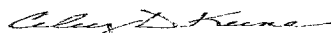
Surrogate: 1-Chlorooctane 147 % 28.3-164

Surrogate: 1-Chlorooctadecane 146 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 10/03/2017
Reported: 10/05/2017
Project Name: SUNOCO / BRIDGER
Project Number: 702231.004.01
Project Location: EDDY CO NM

Sampling Date: 10/02/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-2 4' (H702672-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.59	0.100	10/04/2017	ND	1.93	96.4	2.00	0.568	
Toluene*	2.70	0.100	10/04/2017	ND	1.73	86.6	2.00	0.315	
Ethylbenzene*	6.25	0.100	10/04/2017	ND	1.78	89.1	2.00	0.0995	
Total Xylenes*	25.4	0.300	10/04/2017	ND	5.47	91.1	6.00	0.191	
Total BTEX	35.9	0.600	10/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 197 % 72-148

Chloride, SM4500Cl-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	10/03/2017	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	565	50.0	10/03/2017	ND	217	108	200	0.381	
DRO >C10-C28	3320	50.0	10/03/2017	ND	227	113	200	0.189	

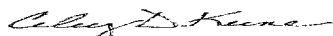
Surrogate: 1-Chlorooctane 128 % 28.3-164

Surrogate: 1-Chlorooctadecane 129 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 10/03/2017
Reported: 10/05/2017
Project Name: SUNOCO / BRIDGER
Project Number: 702231.004.01
Project Location: EDDY CO NM

Sampling Date: 10/02/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S-3 2' (H702672-03)

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	10/04/2017	ND	1.93	96.4	2.00	0.568	
Toluene*	<0.050	0.050	10/04/2017	ND	1.73	86.6	2.00	0.315	
Ethylbenzene*	<0.050	0.050	10/04/2017	ND	1.78	89.1	2.00	0.0995	
Total Xylenes*	<0.150	0.150	10/04/2017	ND	5.47	91.1	6.00	0.191	
Total BTEX	<0.300	0.300	10/04/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/03/2017	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	<50.0	50.0	10/03/2017	ND	217	108	200	0.381	
DRO >C10-C28	1840	50.0	10/03/2017	ND	227	113	200	0.189	

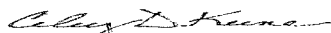
Surrogate: 1-Chlorooctane 73.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 105 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

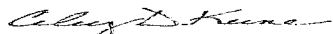
Notes and Definitions

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

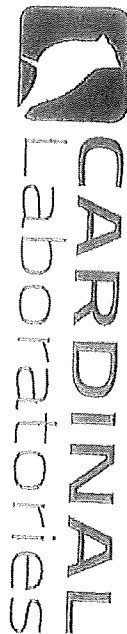
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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project Manager: D. ADAMS		P.O. #: 702251.004.01																					
Address: 408 W. Texas Ave.		Company: Talon/LPE																					
City: Artesia		State: NM Zip: 88210																					
Phone #: 575-746-8768		Fax #: 575-746-8905																					
Project #: 702251.004.01		Project Owner: S. Adams / Bridger																					
Project Location: S. Adams / Bridger		City: State: Zip:																					
Sample Name: D. Adams		Phone #: Fax #:																					
FOR LAB USE ONLY		MATRIX PRESERV SAMPLING																					
Lab I.D.	Sample I.D.	(G) RAB OR (C) COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	TPH	BTEX	TOTAL CHLORIDES						
H702672	5-1	1	1	1	1	1	1	1	1	1	1	1	10/17	1146	1	1	1						
	5-2	4	1	1	1	1	1	1	1	1	1	1	10/17	1200	1	1	1						
	5-3	2	1	1	1	1	1	1	1	1	1	1	10/17	1215	1	1	1						
<p>PLEASE NOTE: Liability and damages, Cardinal's liability and damages are limited to any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits. Inquiries by clients, as well as inquiries, of customers relating to the performance of analyses, shall be referred to the performance of analyses, handled by Cardinal, regardless of whether such claim is based upon any of the above stated terms of service.</p>																							
Relinquished By: [Signature]		Date: 10-3-17		Time: 7:00		Received By: [Signature]		Date: 10-3-17		Time: 7:00		Sample Condition: Cool Intact		Checked By: [Signature]		Phone Result: [] Yes [] No		Fax Result: [] Yes [] No		Adm Phone #: []		Adm Fax #: []	
Delivered By: (Circle One) 4.30		Date: 10-3-17		Time: 8:15		Received By: [Signature]		Date: 10-3-17		Time: 8:15		Sample Condition: Cool Intact		Checked By: [Signature]		Phone Result: [] Yes [] No		Fax Result: [] Yes [] No		Adm Phone #: []		Adm Fax #: []	
Sampler - UPS - Bus - Other		Date: 10-3-17		Time: 8:15		Received By: [Signature]		Date: 10-3-17		Time: 8:15		Sample Condition: Cool Intact		Checked By: [Signature]		Phone Result: [] Yes [] No		Fax Result: [] Yes [] No		Adm Phone #: []		Adm Fax #: []	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326