

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	NAPP2117534750
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party <b>Mark L. Shidler, Inc.</b>	OGRID <b>014096</b>
Contact Name <b>G. B. Gregson</b>	Contact Telephone <b>(713) 481-6487</b>
Contact email <b>ggregson@marklshidlerinc.com</b>	Incident # <i>(assigned by OCD)</i> <b>Not Currently Assigned</b>
Contact mailing address <b>1313 Campbell Road, Bldg. D, Houston, Texas 77055</b>	

### Location of Release Source

Latitude **32.804686° N**Longitude **103.395142° W***(NAD 83 in decimal degrees to 5 decimal places)*

Site Name <b>State 30-1</b>	Site Type <b>Well/Production facility</b>
Date Release Discovered <b>April 27, 2021</b>	API# <i>(if applicable)</i> <b>35-025-28605</b>

Unit Letter	Section	Township	Range	County
<b>K</b>	<b>30</b>	<b>17S</b>	<b>36E</b>	<b>Lea</b>

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) <b>unknown</b>	Volume Recovered (bbls) <b>unknown</b>
<input type="checkbox"/> Produced Water	Volume Released (bbls) <b>unknown</b>	Volume Recovered (bbls) <b>unknown</b>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No <b>TBD</b>
<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

**Tank overflowed which breached the south firewall/dike (which was in temporary disrepair) and affected an area of approximately 1875 SF (see included aerial photographic map).**


State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2117534750
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input type="checkbox"/> No  <b>unknown</b>	If YES, for what reason(s) does the responsible party consider this a major release?  <b>Operator is treating the release as a major spill as the release was not properly reported by the contract pumper. The contractor has been terminated and the replacement pumper has been trained and advised on spill procedures.</b>
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  <b>No timely notice was given to the District office as the contract pumper did not notify this office regarding the release.</b>	

**Initial Response**

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

X The source of the release has been stopped. X The impacted area has been secured to protect human health and the environment. X Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. X 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: Gregory B. Gregson _____  Signature:  _____  email: ggregson@marklshidlerinc.com	Title: Operations Manager _____  Date: May 11, 2021  Telephone: (713) 481-6487 _____
<b><u>OCD Only</u></b>  Received by: <u>Ramona Marcus</u> Date: <u>6/30/2021</u>	

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
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Application ID	

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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?

50 (ft bgs)

Did this 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 an 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 ☐ No

Are the lateral extents of the release within 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?

☐ Yes X 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.*

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- X 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
- X Topographic/Aerial maps
- X 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.

Incident ID	
District RP	
Facility ID	
Application ID	

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: Gregory B. Gregson Title: Operations Manager

Signature:



Date: June 24, 2021

email: ggregson@markshidlerinc.com

Telephone: 713-481-6487

**OCD Only**

Received by: Ramona Marcus

Date: 6/30/2021



**MARK L. SHIDLER, INC.**

STATE 30-1,  
Lea Co., NM

● Soil Sample

Area of Investigation Outlined in Black (Approx. 25' X 75' or 1875 SF)

- Legend**
- Path Measure
  - Production Facility

1875 SF

Google Earth

Scale

50ft





**MARK L. SHIDLER, INC.**  
**State 30-1 (API No. 30-025-28605)**  
**Double A Abo, South Field**  
**Lea Co., NM**

**Ledger of Initial Soil Samples**

Soil Sample No.	Location	
	Latitude	Longitude
1	32°, 48', 16.19" N	103°, 23', 43.79" W
2	32°, 48', 16.14" N	103°, 23', 43.23" W
3	32°, 48', 16.14" N	103°, 23', 43.23" W
4	32°, 48', 15.97" N	103°, 23', 43.40" W
5	32°, 48', 16.04" N	103°, 23', 42.93" W
6	32°, 48', 19.92" N	103°, 23', 43.63" W
7	32°, 48', 15.88" N	103°, 23', 43.19" W
8	32°, 48', 15.94" N	103°, 23', 42.77" W

**Acquisition Remarks**

1. The size of the area of investigation is approximately 1875 square feet of surface area (see Plat Map) and contains eight (8) sample locations (as set out above).
2. Two soil samples will be obtained at the Soil Sample Location (as set out above) or as closely as possible with proper protocol and change of custody followed. A total of sixteen soil samples will be initially gathered and analyzed. **Sample A** will be obtained from an approximate depth of six inches (6") from surface. **Sample B** will be obtained from an approximate depth of one foot (1') from surface, provided no competent limestone or calcareous bed is present which prevents acquisition of the same.
3. Following review of the initial soil analysis of the sampling as set out above, the boundary of the initial release area may be expanded and additional testing (and analysis) may be warranted.

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Mark L Shidler</b> Project Manager: <b>Gregg Gregson</b> Address: <b>1313 Campbell Rd</b> City: <b>Houston</b> State: <b>TX</b> Zip: <b>77055</b> Phone #: <b>713-705-0472</b> Fax #: <b></b> Project #: <b></b> Project Owner: <b>Gregg Gregson</b> Project Name: <b></b> Project Location: <b>State 30-1</b> Sampler Name: <b>Matt Norton</b>		<b>BILL TO</b> P.O. #: <b></b> Company: <b>Mark L Shidler</b> Attn: <b>Gregg</b> Address: <b>1313 Campbell Rd</b> City: <b>Houston</b> State: <b>TX</b> Zip: <b>77055</b> Phone #: <b>713-705-0472</b> Fax #: <b></b>		<b>ANALYSIS REQUEST</b>	
Lab I.D. <b>Hall 123</b> Sample I.D. <b></b> 1 A#1 - 6" 2 A#2 - 6" 3 A#3 - 6" 4 A#4 - 6" 5 A#5 - 6" 6 A#6 - 6" 7 A#7 - 6" 8 A#8 - 6" 9 A#9 - 6" 10 A#10 - 6" 11 A#11 - 6" 12 A#12 - 6" 13 A#13 - 6" 14 A#14 - 6" 15 A#15 - 6" 16 A#16 - 6" 17 A#17 - 6" 18 A#18 - 6" 19 A#19 - 6" 20 A#20 - 6" 21 A#21 - 6" 22 A#22 - 6" 23 A#23 - 6" 24 A#24 - 6" 25 A#25 - 6" 26 A#26 - 6" 27 A#27 - 6" 28 A#28 - 6" 29 A#29 - 6" 30 A#30 - 6" 31 A#31 - 6" 32 A#32 - 6" 33 A#33 - 6" 34 A#34 - 6" 35 A#35 - 6" 36 A#36 - 6" 37 A#37 - 6" 38 A#38 - 6" 39 A#39 - 6" 40 A#40 - 6" 41 A#41 - 6" 42 A#42 - 6" 43 A#43 - 6" 44 A#44 - 6" 45 A#45 - 6" 46 A#46 - 6" 47 A#47 - 6" 48 A#48 - 6" 49 A#49 - 6" 50 A#50 - 6" 51 A#51 - 6" 52 A#52 - 6" 53 A#53 - 6" 54 A#54 - 6" 55 A#55 - 6" 56 A#56 - 6" 57 A#57 - 6" 58 A#58 - 6" 59 A#59 - 6" 60 A#60 - 6" 61 A#61 - 6" 62 A#62 - 6" 63 A#63 - 6" 64 A#64 - 6" 65 A#65 - 6" 66 A#66 - 6" 67 A#67 - 6" 68 A#68 - 6" 69 A#69 - 6" 70 A#70 - 6" 71 A#71 - 6" 72 A#72 - 6" 73 A#73 - 6" 74 A#74 - 6" 75 A#75 - 6" 76 A#76 - 6" 77 A#77 - 6" 78 A#78 - 6" 79 A#79 - 6" 80 A#80 - 6" 81 A#81 - 6" 82 A#82 - 6" 83 A#83 - 6" 84 A#84 - 6" 85 A#85 - 6" 86 A#86 - 6" 87 A#87 - 6" 88 A#88 - 6" 89 A#89 - 6" 90 A#90 - 6" 91 A#91 - 6" 92 A#92 - 6" 93 A#93 - 6" 94 A#94 - 6" 95 A#95 - 6" 96 A#96 - 6" 97 A#97 - 6" 98 A#98 - 6" 99 A#99 - 6" 100 A#100 - 6" 101 A#101 - 6" 102 A#102 - 6" 103 A#103 - 6" 104 A#104 - 6" 105 A#105 - 6" 106 A#106 - 6" 107 A#107 - 6" 108 A#108 - 6" 109 A#109 - 6" 110 A#110 - 6" 111 A#111 - 6" 112 A#112 - 6" 113 A#113 - 6" 114 A#114 - 6" 115 A#115 - 6" 116 A#116 - 6" 117 A#117 - 6" 118 A#118 - 6" 119 A#119 - 6" 120 A#120 - 6" 121 A#121 - 6" 122 A#122 - 6" 123 A#123 - 6" 124 A#124 - 6" 125 A#125 - 6" 126 A#126 - 6" 127 A#127 - 6" 128 A#128 - 6" 129 A#129 - 6" 130 A#130 - 6" 131 A#131 - 6" 132 A#132 - 6" 133 A#133 - 6" 134 A#134 - 6" 135 A#135 - 6" 136 A#136 - 6" 137 A#137 - 6" 138 A#138 - 6" 139 A#139 - 6" 140 A#140 - 6" 141 A#141 - 6" 142 A#142 - 6" 143 A#143 - 6" 144 A#144 - 6" 145 A#145 - 6" 146 A#146 - 6" 147 A#147 - 6" 148 A#148 - 6" 149 A#149 - 6" 150 A#150 - 6" 151 A#151 - 6" 152 A#152 - 6" 153 A#153 - 6" 154 A#154 - 6" 155 A#155 - 6" 156 A#156 - 6" 157 A#157 - 6" 158 A#158 - 6" 159 A#159 - 6" 160 A#160 - 6" 161 A#161 - 6" 162 A#162 - 6" 163 A#163 - 6" 164 A#164 - 6" 165 A#165 - 6" 166 A#166 - 6" 167 A#167 - 6" 168 A#168 - 6" 169 A#169 - 6" 170 A#170 - 6" 171 A#171 - 6" 172 A#172 - 6" 173 A#173 - 6" 174 A#174 - 6" 175 A#175 - 6" 176 A#176 - 6" 177 A#177 - 6" 178 A#178 - 6" 179 A#179 - 6" 180 A#180 - 6" 181 A#181 - 6" 182 A#182 - 6" 183 A#183 - 6" 184 A#184 - 6" 185 A#185 - 6" 186 A#186 - 6" 187 A#187 - 6" 188 A#188 - 6" 189 A#189 - 6" 190 A#190 - 6" 191 A#191 - 6" 192 A#192 - 6" 193 A#193 - 6" 194 A#194 - 6" 195 A#195 - 6" 196 A#196 - 6" 197 A#197 - 6" 198 A#198 - 6" 199 A#199 - 6" 200 A#200 - 6" 201 A#201 - 6" 202 A#202 - 6" 203 A#203 - 6" 204 A#204 - 6" 205 A#205 - 6" 206 A#206 - 6" 207 A#207 - 6" 208 A#208 - 6" 209 A#209 - 6" 210 A#210 - 6" 211 A#211 - 6" 212 A#212 - 6" 213 A#213 - 6" 214 A#214 - 6" 215 A#215 - 6" 216 A#216 - 6" 217 A#217 - 6" 218 A#218 - 6" 219 A#219 - 6" 220 A#220 - 6" 221 A#221 - 6" 222 A#222 - 6" 223 A#223 - 6" 224 A#224 - 6" 225 A#225 - 6" 226 A#226 - 6" 227 A#227 - 6" 228 A#228 - 6" 					





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Mark L</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: <u>Gregg Gregson</u>		P.O. #:			
Address: <u>1313 Campbell Rd.</u>		Company: <u>Mark L Skidler</u>			
City: <u>Houston</u>		Attn:			
State: <u>TX</u> Zip: <u>77055</u>		Address: <u>1313 Campbell Rd</u>			
Phone #: <u>713-705-0472</u> Fax #:		City: <u>Houston</u>			
Project #: _____		State: <u>TX</u> Zip: <u>77055</u>			
Project Name: _____		Phone #: <u>713-705-0472</u>			
Project Location: <u>State 30-1</u>		Fax #:			
Sampler Name: <u>Matt Norton</u>					
FOR LAB USE ONLY					
Lab I.D. # <u>121/273</u>	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.
				GROUNDWATER	
				WASTEWATER	
				SOIL	
				OIL	
				SLUDGE	
				OTHER :	
				ACID/BASE:	
				ICE / COOL	
				OTHER :	
				DATE	TIME
9	13#1-12"		61	5/17/21	
10	13#2-12"				
11	13#3-12"				
12	13#4-12"				
13	13#5-12"				
14	13#6-12"				
15	13#7-12"				
16	13#8-12"				
EASE 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 analysis. 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, I agree, as of whether such claim is based upon any of the above stated reasons or otherwise.		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address:	
Relinquished By: <u>Matt Norton</u>		Received By: <u>Mark L Skidler</u>		REMARKS: <u>Greggson@markliskidlerinc.com</u>	
Date: <u>5-17-21</u>		Time: <u>1348</u>		Turnaround Time: <u>Standard</u>	
Date: <u>5-17-21</u>		Time: <u>1348</u>		Thermometer ID #113 <u>Rush</u>	
Received By: <u>Mark L Skidler</u>		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No	
Observed Temp. °C <u>26</u>		Corrected Temp. °C		Sample Condition	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C	
Corrected Temp. °C		No <input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	



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

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May 19, 2021

GREG GREGSON

MARK L. SHIDLER

1313 CAMPBELL ROAD BLDG. D

HOUSTON, TX 77055

RE: STATE 30-1

Enclosed are the results of analyses for samples received by the laboratory on 05/17/21 13:48.

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

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received:	05/17/2021	Sampling Date:	05/17/2021
Reported:	05/19/2021	Sampling Type:	Soil
Project Name:	STATE 30-1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA		

**Sample ID: A # 1 - 6" (H211273-01)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69	
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52	
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96	
Total BTEX	<0.300	0.300	05/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	05/18/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A # 2 - 6" (H211273-02)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTX	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	9920	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 103 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A # 3 - 6" (H211273-03)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69	
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95	
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52	
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96	
Total BTX	<0.300	0.300	05/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	3680	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A # 4 - 6" (H211273-04)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEx	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	22800	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 114 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A # 5 - 6" (H211273-05)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEx	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	16200	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 117 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A # 6 - 6" (H211273-06)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTX	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	3920	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A # 7 - 6" (H211273-07)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEx	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	7600	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: A # 8 - 6" (H211273-08)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEx	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	8720	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 104 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 1 - 12" (H211273-09)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEX	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 93.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 2 - 12" (H211273-10)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEx	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	<16.0	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-133

Surrogate: 1-Chlorooctadecane 118 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 3 - 12" (H211273-11)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEx	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	<16.0	16.0	05/18/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 60.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.0 % 38.9-142

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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:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 4 - 12" (H211273-12)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTX	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<16.0	16.0	05/18/2021	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	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 5 - 12" (H211273-13)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTEx	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	16.0	16.0	05/18/2021	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	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 6 - 12" (H211273-14)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTX	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	05/18/2021	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	05/18/2021	ND	208	104	200	10.0	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 107 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 7 - 12" (H211273-15)**

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	05/18/2021	ND	1.88	93.8	2.00	5.69		
Toluene*	<0.050	0.050	05/18/2021	ND	1.88	93.8	2.00	6.95		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	1.85	92.6	2.00	6.52		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	5.65	94.1	6.00	5.96		
Total BTX	<0.300	0.300	05/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	05/18/2021	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	05/18/2021	ND	208	104	200	10.0		
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	178	88.9	200	29.4		
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND						

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

MARK L. SHIDLER  
 GREG GREGSON  
 1313 CAMPBELL ROAD BLDG. D  
 HOUSTON TX, 77055  
 Fax To:

Received: 05/17/2021  
 Reported: 05/19/2021  
 Project Name: STATE 30-1  
 Project Number: NONE GIVEN  
 Project Location: LEA

Sampling Date: 05/17/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B # 8 - 12" (H211273-16)**

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	05/18/2021	ND	1.91	95.3	2.00	1.95		
Toluene*	<0.050	0.050	05/18/2021	ND	2.13	106	2.00	3.16		
Ethylbenzene*	<0.050	0.050	05/18/2021	ND	2.15	108	2.00	2.49		
Total Xylenes*	<0.150	0.150	05/18/2021	ND	6.36	106	6.00	2.14		
Total BTEx	<0.300	0.300	05/18/2021	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	16.0	16.0	05/18/2021	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	05/18/2021	ND	208	104	200	5.70	
DRO >C10-C28*	<10.0	10.0	05/18/2021	ND	222	111	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	05/18/2021	ND					

Surrogate: 1-Chlorooctane 97.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.4 % 38.9-142

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\*=Accredited Analyte

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by 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



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Mark L Shidler</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: <b>Gregg Gregson</b>		P.O. #:			
Address: <b>1313 Campbell Rd</b>		Company: <b>Mark L Shidler</b>			
City: <b>Houston</b>		Attn: <b>Gregg</b>			
State: <b>TX</b> Zip: <b>77055</b>		Address: <b>1313 Campbell Rd</b>			
Phone #: <b>713-705-0472</b> Fax #:		City: <b>Houston</b>			
Project #: <b>713-705-0472</b>		State: <b>TX</b> Zip: <b>77055</b>			
Project Name:		Phone #: <b>713-705-0472</b>			
Project Location: <b>State 30-1</b>		Fax #:			
Sampler Name: <b>Matt Norton</b>					

Lab I.D. <i>Hall 123</i>	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	Chloride levels	BTEX	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						
1	A#1 - 6"		1							5-17-21					
2	A#2 - 6"		1												
3	A#3 - 6"		1												
4	A#4 - 6"		1												
5	A#5 - 6"		1												
6	A#6 - 6"		1												
7	A#7 - 6"		1												
8	A#8 - 6"		1												

Delivered By: (Circle One)		Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Thermometer ID	Bacteria (only)	Sample Condition
<input type="checkbox"/> UPS - Bus - Other:		Corrected Temp. °C	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)	Standard	#113	<input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
Relinquished By: <b>Matt Norton</b>		Date: <b>5-17-21</b>	Received By: <b>Gregg Gregson</b>					
Relinquished By: <b>Matt Norton</b>		Date: <b>5-17-21</b>	Received By: <b>Gregg Gregson</b>					
REMARKS:		<b>Gregg@markshidlerinc.com</b> <b>Rush</b>						
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:						
All Results are emailed. Please provide Email address:								

† Cardinal cannot accept verbal changes. Please email changes to celsey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)





# 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		Q Q Q							X	Y	Distance	Depth Well	Depth Water	Water Column
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng						
<a href="#">L 02747</a>	L	LE	3	4	1	30	12S	34E	634726	3680000*		492	115	65	50
<a href="#">L 09328</a>	L	LE	3	4	4	19	12S	34E	635519	3680809*		877	150	50	100
<a href="#">L 05743</a>	L	LE		3	3	30	12S	34E	634466	3679293*		1021	100	68	32
<a href="#">L 05613</a>	L	LE		4	4	25	12S	33E	634065	3679288*		1347	152	78	74
<a href="#">L 05316</a>	L	LE				29	12S	34E	636641	3679913*		1424	115	70	45
<a href="#">L 01201 POD1</a>	L	LE				19	12S	34E	635048	3681506*		1531	90	55	35
<a href="#">L 04052</a>	L	LE				19	12S	34E	635048	3681506*		1531	140	65	75

Average Depth to Water: **64 feet**

Minimum Depth: **50 feet**

Maximum Depth: **78 feet**

Record Count: 7

### Basin/County Search:

County: Lea

### UTMNAD83 Radius Search (in meters):

Easting (X): 635218.5

Northing (Y): 3679984.3

Radius: 1700

\*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.

12/12/17 8:57 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

MARK L. SHIDLER, INC.  
State 30-1 (30-025-28605)  
Lea Co., NM

Inspection No. iEZB2111752059  
Ref. No.: nAPP2117534750

C-141 Proposed Remediation Plan

Engage qualified dirt contractor with equipment (backhoe & dump truck) to remove 1900 to 2500 CuFt of soil down to a depth of approximately one foot (1') and deliver contaminated soil to an area reclamation/land farm.

**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 33720

**CONDITIONS**

Operator: MARK L SHIDLER INC 1313 Campbell Road Houston, TX 77055	OGRID: 14096
	Action Number: 33720
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
marcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	6/30/2021