



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

March 2, 2021

Re: NEDU 226

Case # nAPP2035052334

On 12/3/2020 a release occurred due to a stuffing box failure. The release (GPS: 32.50698, -103.14713) is located north of Eunice, New Mexico in unit letter R section 3 township 21S range 37E. On 2/1/2021 a soil bore (GPS: 32.509909, -103.148437) was conducted .20 miles north of the release. The soil bore was advanced to a depth of 57 feet. The bore hole was left open for 48 hours and gauged for the presence of water. According to the contractor soil log there was no presence of water to 57 feet. The bore hole indicates that the groundwater beneath the soil bore is 51-100 feet to groundwater.

On 2/8/2021 final 5 point composite surface samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results were above table one standards for TPH for release 51-100 feet to groundwater at sample point B 10. On 2/25/2021 sample point B 10 was excavated to a depth of 1 foot. Final 5 point bottom and wall composite samples were collected and submitted to a commercial laboratory for analysis of TPH and BTEX. All excavated material (7 yards) was hauled to an OCD approved disposal facility. The excavation was backfilled with clean imported caliche.

Apache Corporation has remediated the release to below table one standards and respectfully request closure of event nAPP2035326198.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Field Notes, and Photos.

Submitted by;

Bruce Baker

Environmental Technician

larry.baker@apachecorp.com

Cell# 432-631-6982

Incident ID	
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?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

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: Larry Baker Title: Environmental Tech SR.
 Signature: _____ Date: 3/2/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: _____ Date: 3/2/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Chad Hensley Date: 04/28/2021

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: 04/28/2021
 Printed Name: Chad Hensley Title: Environmental Specialist Advanced



Bore Hole

NEDU 226

446 ft

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Google Earth

BORING LOCATION: APACHE CORPORATION NEDU #206
DESERT SAND DRILLING

DATE: 2/1/2021

DEPTH (FEET BGL)		THICKNESS	TYPE OF SOIL	WATER BEARING	
FROM	TO			YES	NO
0'	5'	5'	TOPSOIL		X
5'	10'	5'	CALICHE		X
10'	20'	10'	CALICHE/RED SAND		X
20'	38'	18'	RED SAND/CLAY		X
38'	48'	10'	RED SAND		X
48'	57'	9'	TAN SAND/RED CLAY		X

Please Select a Coordinate System and enter the coordinates:

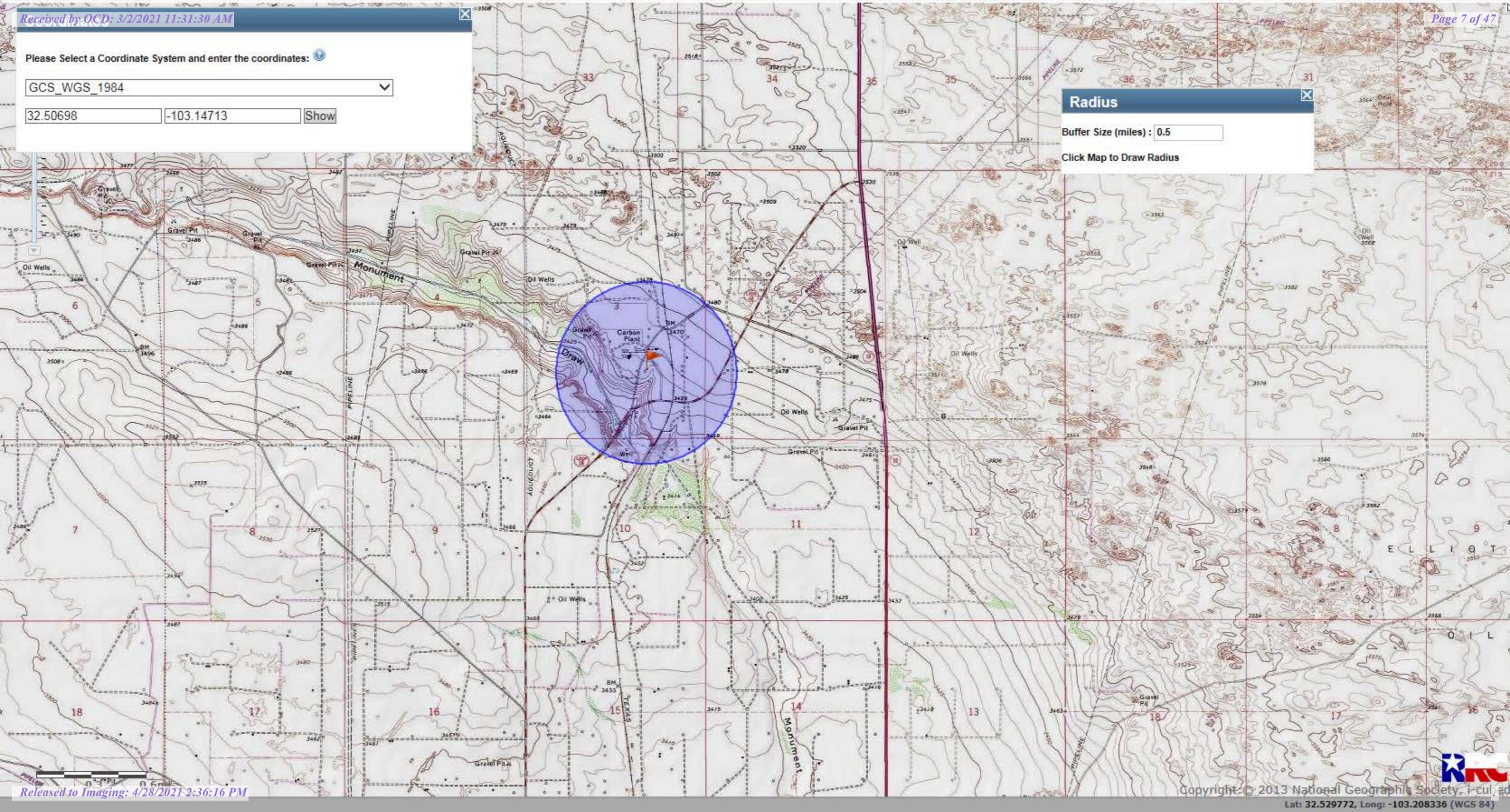
GCS_WGS_1984

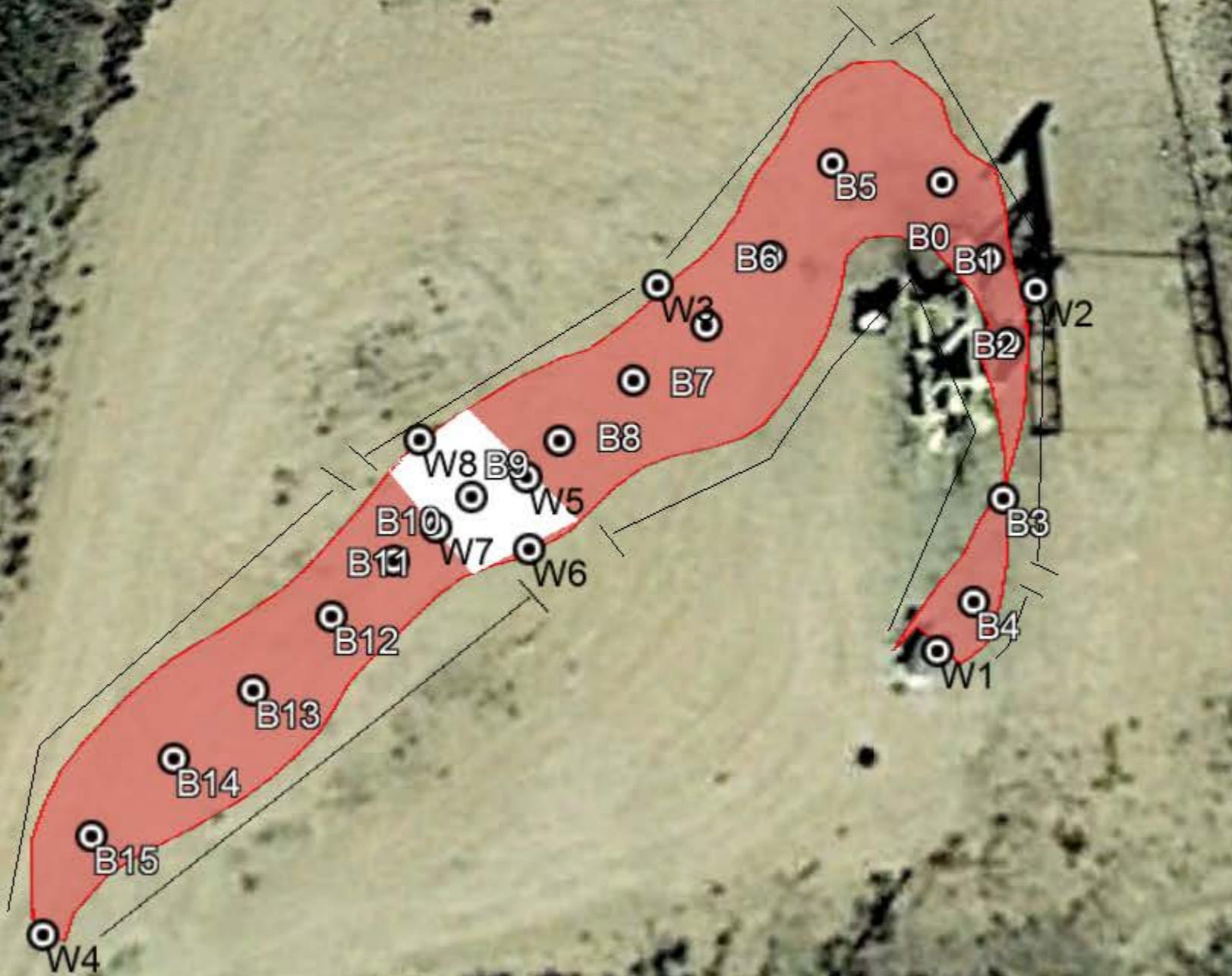
32.50698 -103.14713 Show

Radius

Buffer Size (miles) : 0.5

Click Map to Draw Radius





© 2021 Google

Google Earth

50 ft

Sample Date	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
Wall Samples												
2/8/2021	W1	S	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.50734 -103.14645
2/8/2021	W2	S	192	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.50741 -103.14639
2/8/2021	W3	S	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.50734 -103.14667
2/8/2021	W4	S	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.50729 -103.14667
2/25/2021	W5	6"		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	80.7	15.8	32.50731 -103.14664
2/25/2021	W6	6"		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	203	45.2	32.50730 -103.14668
2/25/2021	W7	6"		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10	<10.0	32.50733 -103.14669
2/25/2021	W8	6"		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	30.9	<10.0	32.50733 -103.14664
Bottom Samples												
2/8/2021	B0	S	1260	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.7	10.9	32.50731 -103.14649
2/8/2021	B1	S	1880	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.6	<10.0	32.50732 -103.14646
2/8/2021	B2	S	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.6	11.1	32.50734 -103.14645
2/8/2021	B3	S	144	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	95.9	18.6	32.50733 -103.14647
2/8/2021	B4	S	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	146	19	32.50726 -103.14645
2/8/2021	B5	S	1540	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	152	40.6	32.50751 -103.14667
2/8/2021	B6	S	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	337	96.9	32.50742 -103.14667
2/8/2021	B7	S	2600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	294	317	32.50743 -103.14672
2/8/2021	B8	S	1390	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.1	<10.0	32.50739 -103.14683
2/8/2021	B9	S	2600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	213	56.5	32.50735 -103.14674
2/8/2021	B10	S	1900	<0.050	<0.050	0.250	1.130	1.38	60	969	184	32.50731 -103.14682

2/25/2021	B10	1'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.8	<10.0	
2/8/2021	B11	S	960	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.8	<10.0	32.50730 -103.14677
2/8/2021	B12	S	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.4	<10.0	32.50725 -103.14675
2/8/2021	B13	S	368	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	258	51	32.50726 -103.14674
2/8/2021	B14	S	304	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.50707 -103.14680
2/8/2021	B15	S	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.3	31.8	32.50713 -103.14693



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

February 11, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #226

Enclosed are the results of analyses for samples received by the laboratory on 02/08/21 15:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 1 (H210319-01)

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	02/10/2021	ND	2.21	110	2.00	3.20	
Toluene*	<0.050	0.050	02/10/2021	ND	2.17	108	2.00	3.89	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.11	105	2.00	4.27	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.13	102	6.00	4.81	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-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	02/10/2021	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	<10.0	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 72.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 64.7 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 2 (H210319-02)

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	02/11/2021	ND	2.21	110	2.00	3.20	
Toluene*	<0.050	0.050	02/11/2021	ND	2.17	108	2.00	3.89	
Ethylbenzene*	<0.050	0.050	02/11/2021	ND	2.11	105	2.00	4.27	
Total Xylenes*	<0.150	0.150	02/11/2021	ND	6.13	102	6.00	4.81	
Total BTEX	<0.300	0.300	02/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/10/2021	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	<10.0	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 67.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 61.7 % 42.2-156

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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:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 3 (H210319-03)

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	02/11/2021	ND	2.21	110	2.00	3.20	
Toluene*	<0.050	0.050	02/11/2021	ND	2.17	108	2.00	3.89	
Ethylbenzene*	<0.050	0.050	02/11/2021	ND	2.11	105	2.00	4.27	
Total Xylenes*	<0.150	0.150	02/11/2021	ND	6.13	102	6.00	4.81	
Total BTEX	<0.300	0.300	02/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/10/2021	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	<10.0	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.2 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 4 (H210319-04)

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	02/11/2021	ND	2.21	110	2.00	3.20	
Toluene*	<0.050	0.050	02/11/2021	ND	2.17	108	2.00	3.89	
Ethylbenzene*	<0.050	0.050	02/11/2021	ND	2.11	105	2.00	4.27	
Total Xylenes*	<0.150	0.150	02/11/2021	ND	6.13	102	6.00	4.81	
Total BTEX	<0.300	0.300	02/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	02/10/2021	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	<10.0	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 42.2-156

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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:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 0 (H210319-05)

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	02/11/2021	ND	2.21	110	2.00	3.20	
Toluene*	<0.050	0.050	02/11/2021	ND	2.17	108	2.00	3.89	
Ethylbenzene*	<0.050	0.050	02/11/2021	ND	2.11	105	2.00	4.27	
Total Xylenes*	<0.150	0.150	02/11/2021	ND	6.13	102	6.00	4.81	
Total BTEX	<0.300	0.300	02/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1260	16.0	02/10/2021	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	37.7	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	10.9	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.1 % 42.2-156

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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:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 1 (H210319-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/09/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/09/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/09/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/09/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	02/10/2021	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	24.6	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 2 (H210319-07)

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	02/09/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/09/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/09/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/09/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/10/2021	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	56.6	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	11.1	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 3 (H210319-08)

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	02/09/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/09/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/09/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/09/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	95.9	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	18.6	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 4 (H210319-09)

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	02/09/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/09/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/09/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/09/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	146	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	19.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 5 (H210319-10)

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	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	152	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	40.6	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 6 (H210319-11)

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	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	337	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	96.9	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received: 02/08/2021
 Reported: 02/11/2021
 Project Name: NEDU #226
 Project Number: NEDU #226
 Project Location: NONE GIVEN

Sampling Date: 02/08/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 7 (H210319-12)

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	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	294	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	317	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 8 (H210319-13)

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	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	224	112	200	0.237	
DRO >C10-C28*	11.1	10.0	02/10/2021	ND	220	110	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.6 % 42.2-156

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 9 (H210319-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	212	106	200	1.51	
DRO >C10-C28*	213	10.0	02/10/2021	ND	222	111	200	1.71	QM-07, QR-03
EXT DRO >C28-C36	56.5	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.2 % 42.2-156

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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:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 10 (H210319-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	0.250	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	1.13	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	GC-NC1
Total BTEX	1.38	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1900	16.0	02/10/2021	ND	400	100	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*	60.0	10.0	02/11/2021	ND	212	106	200	1.51	
DRO >C10-C28*	969	10.0	02/11/2021	ND	222	111	200	1.71	
EXT DRO >C28-C36	184	10.0	02/11/2021	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 11 (H210319-16)

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	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	212	106	200	1.51	
DRO >C10-C28*	32.8	10.0	02/10/2021	ND	222	111	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 12 (H210319-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	212	106	200	1.51	
DRO >C10-C28*	44.4	10.0	02/10/2021	ND	222	111	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 13 (H210319-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	212	106	200	1.51	
DRO >C10-C28*	258	10.0	02/10/2021	ND	222	111	200	1.71	
EXT DRO >C28-C36	51.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 14 (H210319-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2021	ND	2.24	112	2.00	0.494	
Toluene*	<0.050	0.050	02/10/2021	ND	2.21	111	2.00	0.845	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.18	109	2.00	0.312	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.36	106	6.00	0.0614	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	212	106	200	1.51	
DRO >C10-C28*	<10.0	10.0	02/10/2021	ND	222	111	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/08/2021	Sampling Date:	02/08/2021
Reported:	02/11/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 15 (H210319-20)

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	02/10/2021	ND	2.18	109	2.00	1.83	
Toluene*	<0.050	0.050	02/10/2021	ND	2.16	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/10/2021	ND	2.10	105	2.00	2.41	
Total Xylenes*	<0.150	0.150	02/10/2021	ND	6.11	102	6.00	2.55	
Total BTEX	<0.300	0.300	02/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2021	ND	400	100	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	02/10/2021	ND	212	106	200	1.51	
DRO >C10-C28*	75.3	10.0	02/10/2021	ND	222	111	200	1.71	
EXT DRO >C28-C36	31.8	10.0	02/10/2021	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- GC-NC1 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
- 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

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

BILL TO

ANALYSIS REQUEST

Company Name: *Apache Corporation*
 Project Manager: *Bruce Baker*
 Address: _____ State: _____ Zip: _____
 City: _____ Attn: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: *NEU 226*
 Project Location: *NEU 226*
 Sampler Name: *Jeff Brown*
 P.O. #: _____ Company: _____
 Address: _____ City: _____
 State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME	CL	BTEX	EXT. TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :					
<i>H 210319</i>	<i>W1</i>	<i>C</i>				<i>✓</i>							<i>2/8/21</i>	<i>1230</i>	<i>✓</i>		
	<i>W2</i>	<i>C</i>				<i>✓</i>								<i>1232</i>	<i>✓</i>		
	<i>W3</i>	<i>C</i>				<i>✓</i>								<i>1237</i>	<i>✓</i>		
	<i>W4</i>	<i>C</i>				<i>✓</i>								<i>1236</i>	<i>✓</i>		
	<i>B0</i>	<i>C</i>				<i>✓</i>								<i>1247</i>	<i>✓</i>		
	<i>B1</i>	<i>C</i>				<i>✓</i>								<i>1245</i>	<i>✓</i>		
	<i>B2</i>	<i>C</i>				<i>✓</i>								<i>1246</i>	<i>✓</i>		
	<i>B3</i>	<i>C</i>				<i>✓</i>								<i>1247</i>	<i>✓</i>		
	<i>B4</i>	<i>C</i>				<i>✓</i>								<i>1248</i>	<i>✓</i>		
	<i>B5</i>	<i>C</i>				<i>✓</i>								<i>2/8/21 1250</i>	<i>✓</i>		

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Relinquished By: _____
 Date: *2-8-21*
 Time: *1530*
 Received By: *Jessica White*
 Date: _____
 Time: _____

Delivered By: (Circle One) Observed Temp. °C *29* Sample Condition: Intact Cool Yes No
 Corrected Temp. °C _____
 Checked By: *VB*
 Turnaround Time: _____ Standard Rush
 Bacteria (only) Sample Condition: Intact Observed Temp. °C _____
 Corrected Temp. °C _____

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Apache Corporation
 Project Manager: Bruce Baker
 Address: _____ State: _____ Zip: _____
 City: _____ Attn: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: NEDU 226 City: _____ State: _____ Zip: _____
 Project Location: NEDU 226 Phone #: _____ Fax #: _____
 Sampler Name: Jeff Brown Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	CL -	BTEX	EXT. TPH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H210319</u>	<u>B6</u>	<u>C</u>		<input checked="" type="checkbox"/>							<u>8/8/21</u>	<u>1252</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B7</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1257</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B8</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1256</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B9</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1258</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B10</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1300</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B11</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1302</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B12</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1304</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B13</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1306</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B14</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>1307</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<u>B15</u>	<u>C</u>		<input checked="" type="checkbox"/>								<u>8/8/21 1309</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Relinquished By: Jeff Brown Date: 8/8/21 Time: 1530
 Received By: Jaqueline Chalkley Date: _____ Time: _____
 Turnaround Time: _____ Standard Add'l Phone #: _____
 Bacteria (only) Sample Condition
 Cool Intact Observed Temp. °C _____
 Yes No Corrected Temp. °C _____
 Thermometer ID #113 Correction Factor None

Delivered By: (Circle One) Observed Temp. °C 2.9 Sample Condition Intact
 Corrected Temp. °C _____ Cool Intact
 Yes No Checked BY: VB
 Sampler - UPS - Bus - Other: _____

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



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

February 26, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #226

Enclosed are the results of analyses for samples received by the laboratory on 02/25/21 12:25.

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

Cardinal Laboratories is 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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/25/2021	Sampling Date:	02/25/2021
Reported:	02/26/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 10 @ 1' (H210462-01)

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	02/25/2021	ND	2.14	107	2.00	6.67	
Toluene*	<0.050	0.050	02/25/2021	ND	2.12	106	2.00	6.38	
Ethylbenzene*	<0.050	0.050	02/25/2021	ND	2.05	102	2.00	6.98	
Total Xylenes*	<0.150	0.150	02/25/2021	ND	5.97	99.5	6.00	6.54	
Total BTEX	<0.300	0.300	02/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	02/25/2021	ND	209	104	200	1.66	
DRO >C10-C28*	10.8	10.0	02/25/2021	ND	212	106	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	02/25/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/25/2021	Sampling Date:	02/25/2021
Reported:	02/26/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 5 (H210462-02)

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	02/25/2021	ND	2.14	107	2.00	6.67		
Toluene*	<0.050	0.050	02/25/2021	ND	2.12	106	2.00	6.38		
Ethylbenzene*	<0.050	0.050	02/25/2021	ND	2.05	102	2.00	6.98		
Total Xylenes*	<0.150	0.150	02/25/2021	ND	5.97	99.5	6.00	6.54		
Total BTEX	<0.300	0.300	02/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

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	02/25/2021	ND	209	104	200	1.66		
DRO >C10-C28*	80.7	10.0	02/25/2021	ND	212	106	200	2.62		
EXT DRO >C28-C36	15.8	10.0	02/25/2021	ND						

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/25/2021	Sampling Date:	02/25/2021
Reported:	02/26/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 6 (H210462-03)

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	02/25/2021	ND	2.14	107	2.00	6.67		
Toluene*	<0.050	0.050	02/25/2021	ND	2.12	106	2.00	6.38		
Ethylbenzene*	<0.050	0.050	02/25/2021	ND	2.05	102	2.00	6.98		
Total Xylenes*	<0.150	0.150	02/25/2021	ND	5.97	99.5	6.00	6.54		
Total BTEX	<0.300	0.300	02/25/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

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	02/25/2021	ND	209	104	200	1.66		
DRO >C10-C28*	203	10.0	02/25/2021	ND	212	106	200	2.62		
EXT DRO >C28-C36	45.2	10.0	02/25/2021	ND						

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/25/2021	Sampling Date:	02/25/2021
Reported:	02/26/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 7 (H210462-04)

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	02/25/2021	ND	2.14	107	2.00	6.67	
Toluene*	<0.050	0.050	02/25/2021	ND	2.12	106	2.00	6.38	
Ethylbenzene*	<0.050	0.050	02/25/2021	ND	2.05	102	2.00	6.98	
Total Xylenes*	<0.150	0.150	02/25/2021	ND	5.97	99.5	6.00	6.54	
Total BTEX	<0.300	0.300	02/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

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	02/25/2021	ND	209	104	200	1.66	
DRO >C10-C28*	10.0	10.0	02/25/2021	ND	212	106	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	02/25/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 BRUCE BAKER
 2350 W. MARLAND BLVD.
 HOBBS NM, 88240
 Fax To: (575) 393-2432

Received:	02/25/2021	Sampling Date:	02/25/2021
Reported:	02/26/2021	Sampling Type:	Soil
Project Name:	NEDU #226	Sampling Condition:	Cool & Intact
Project Number:	NEDU #226	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 8 (H210462-05)

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	02/25/2021	ND	2.14	107	2.00	6.67	
Toluene*	<0.050	0.050	02/25/2021	ND	2.12	106	2.00	6.38	
Ethylbenzene*	<0.050	0.050	02/25/2021	ND	2.05	102	2.00	6.98	
Total Xylenes*	<0.150	0.150	02/25/2021	ND	5.97	99.5	6.00	6.54	
Total BTEX	<0.300	0.300	02/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

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	02/25/2021	ND	209	104	200	1.66	
DRO >C10-C28*	30.9	10.0	02/25/2021	ND	212	106	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	02/25/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

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

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

NEDU 224 2/25/21

B10 @ 1' - 1126

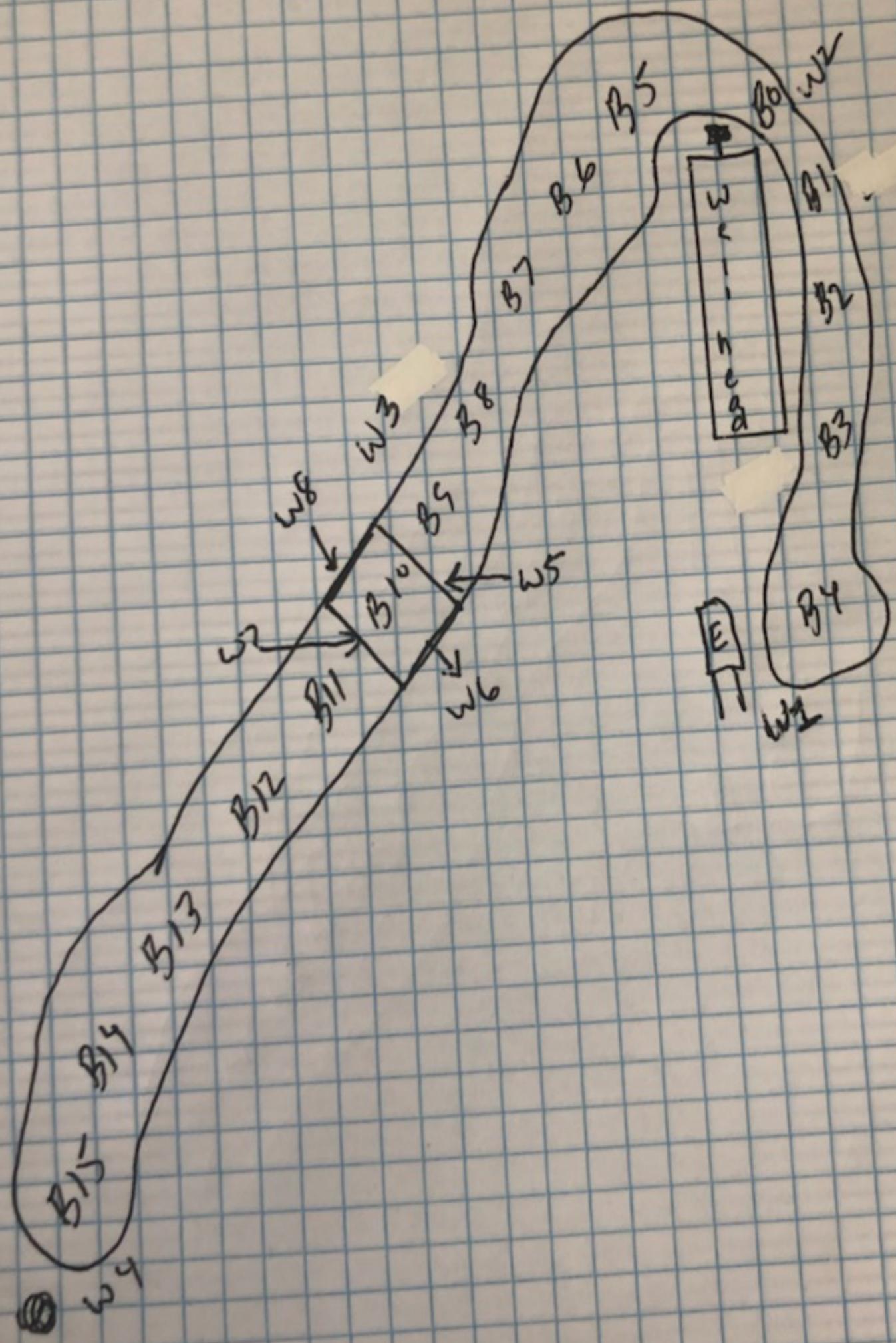
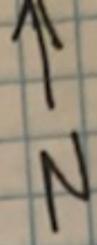
W5 @ 1' GPS = 32.50731 - 103.14664

W6 @ 1' GPS = 32.50730 - 103.14668

W7 @ 1' GPS = 32.50733 - 103.14669

W8 @ 1' GPS = 32.50733 - 103.14664

NEDU 226







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 19459

CONDITIONS OF APPROVAL

Operator: #1000 APACHE CORPORATION Midland, TX79705		303 Veterans Airpark Ln	OGRID: 873	Action Number: 19459	Action Type: C-141
OCD Reviewer chensley			Condition None		