



303 Veterans Airpark Lane Midland, TX 79705

Amended Remediation Plan

June 23, 2022

Re: Jr. Phillips #8

Case: nAPP2125058409

Background:

On 8/26/2021 a release occurred due to a steel flow line failed. The release (GPS: 32.604069, -103.305276) is located west of Monument, New Mexico in unit letter G section 1 township 20S range 36E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well of record suggest the groundwater depth below the release to be 35 feet below ground surface.

On 9/27/2021 through 10/19/2021 vertical delineation was conducted in regular intervals utilizing a backhoe to depths of 2, 16, and 20 feet. All vertical samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Horizontal 5 - point surface field samples were collected not exceeding 200 square feet and titrated for chlorides. Laboratory results on the horizontal samples were above table one standards for TPH. On 11/29/2021 further 5-point surface composite samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX

Remediation Plan:

Apache Corporation proposes that the area around SP1 be excavated to a depth of 20 feet. The area around SP2 be excavated to a depth of 16 feet. The area around SP3 be excavated to a depth of 2 feet. Final 5 -point bottom and wall samples will be collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated material (2500 yards) will be hauled to an OCD approved disposal facility. Once laboratory results confirmed table one standard for releases less than 50 feet to groundwater the release area will be backfilled with clean imported caliche and the top four feet with clean imported topsoil to ground surface and contoured to the surrounding area. The disturbed area will be reseeded in accordance with the surface landowner. The remediation will be completed within 90 days of OCD approval of the plan.

Amended Remediation Plan:

The area around SP 2 has been excavated to a depth of 16.5 to 17 feet below ground surface. Final bottom samples collected were above table one standards for chlorides at B7, B8, B12, B13, B14, B15. Final wall samples were above table one standards for chloride at W4, W7, W11, W13, W14, and W16. A vertical was advanced at B7, and samples were collected in two-foot intervals to a depth of 26 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride. Chloride levels were above table one standards.

The area around SP 1 was excavated to a depth of 8 feet. Two verticals were conducted with samples collected every two feet. SP4 was advanced to a depth of 26 feet and SP5 was advanced to a depth of 22 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride. Chloride levels were above table one standards at a depth of 22 feet at SP5. On 6/2/2022 SP6, SP7, and SP8 were vertically delineated to a depth of 25 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

Apache Corporation proposes that all walls be excavated to table one standards. The area around SP1 be further excavated to a depth of 20 feet. Final 5-point bottom composite samples will be collected not to exceed 200 square feet. All samples collected will be submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. The excavation will be backfilled to a depth 4 feet. A PVC conduit will be set in the area of SP 6. A variance to the rule is requested to install a 20 mil re-enforced liner across the entire excavation and clued to the PVC conduit. Then the area will be backfilled with clean imported soil in accordance with 19.15.29 NMAC. A temporary well will be installed in the conduit to test the groundwater beneath the release. The disturbed area will be re-seeded in consultation with the surface owner. The remediation will be completed within 45 days of OCD approval of the amended remediation plan. The temporary well will be completed within 90 days of OCD approval of the remediation plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, and Laboratory Results

Submitted by.

Bruce Baker

Environmental Technician Sr Staff

larry.baker@apachecorp.com

Cell# 432-215-2284

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>35</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

Oil Conservation Division

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: Larry Baker Date: 11/30/2021
email: larry.baker@apachecorp.com Telephone: 432-215-2284

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Larry Baker Date: 06/23/2022
email: larry.baker@apachecorp.com Telephone: 432-215-2284

OCD Only

Received by: _____ Date: _____

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Jennifer Nobui Date: 07/07/2022

Show search results for 32.604...

Map navigation controls: Home, Full Screen, Previous View, Next View, Print, Measure, Identify, Layers, Legend, Scale Bar, North Arrow, etc.

Map data layer information:

- L-12430-POD1
- L-12434-POD1
- L-12993-POD6
- L-12993-POD2
- L-12435-POD1
- L-12431-POD1
- L-12432-POD1
- L-12993-POD5
- L-12993-POD3
- L-12993-POD4
- L-12993-POD7
- L-12993-POD8
- L-05766-X8
- L-03188
- L-05766-X9
- L-12993-POD9



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
L	03814	2	2	2	01	20S	36E	659488	3609171*

Driller License: 208

Driller Company: VAN NOY, W.L.

Driller Name:

Drill Start Date: 09/03/1958

Drill Finish Date: 09/04/1958

Plug Date:

Log File Date: 09/15/1958

PCW Rev Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 6.00

Depth Well: 60 feet

Depth Water: 40 feet

Water Bearing Stratifications:

Top Bottom Description

55 60 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

40 60

*UTM location was derived from PLSS - see Help

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POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

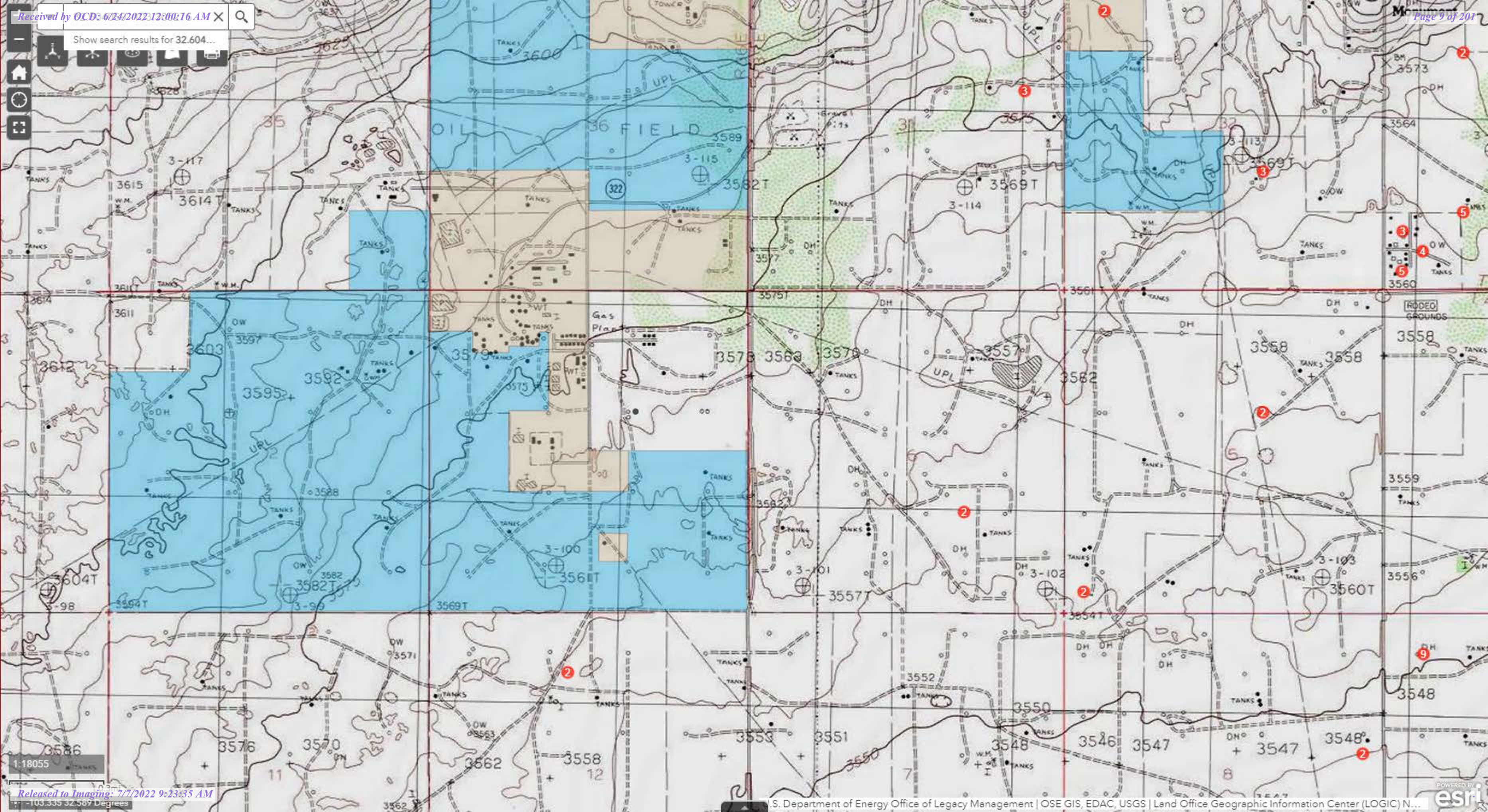
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)							(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	
L	12432 POD1	3	2	1	01	20S	36E	658506	3608985	
Driller License: 225		Driller Company:				RODGERS & CO., INC.				
Driller Name: JOHN AGUIRRE										
Drill Start Date: 06/12/2009		Drill Finish Date:				06/12/2009		Plug Date:		
Log File Date: 07/13/2009		PCW Rev Date:							Source: Shallow	
Pump Type:		Pipe Discharge Size:				Estimated Yield:				
Casing Size: 4.00		Depth Well:				45 feet		Depth Water:		35 feet
Water Bearing Stratifications:					Top	Bottom	Description			
					6	36	Other/Unknown			
					36	45	Other/Unknown			

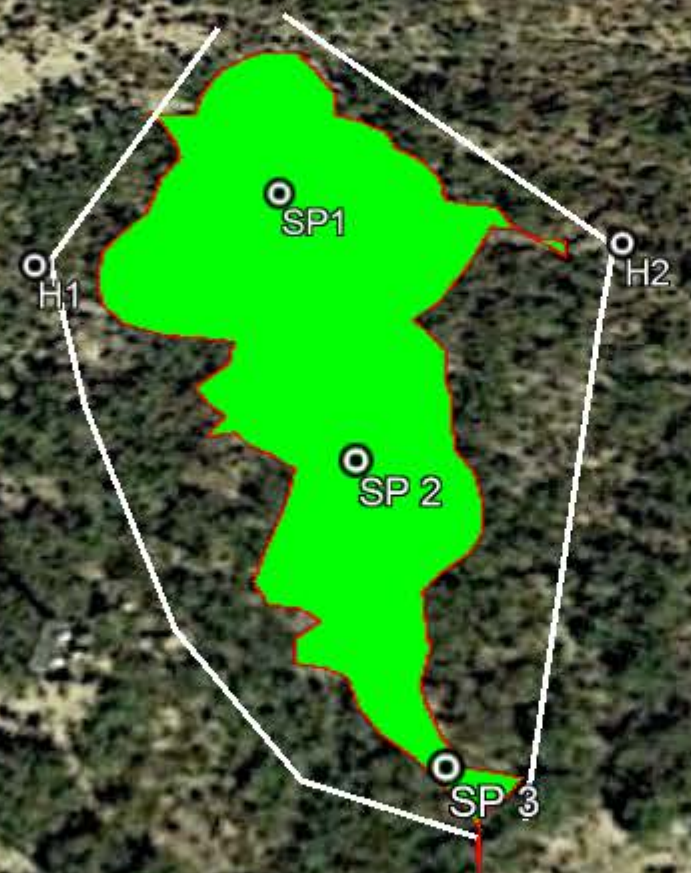
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POINT OF DIVERSION SUMMARY



Show search results for 32.604...



64 ft

Delineation Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
9/27/2021	SP1	Surface	368	<0.050	<0.050	<0.050	2.79	2.79	313	26,500	8,100	32.6040445, -103.3052805
		2'	720	<0.050	<0.050	<0.050	2.79	2.79	156	1850	314	
		4'	560	<0.050	<0.050	<0.050	8.43	8.43	391	3,060	579	
		6'	1010	<0.050	<0.050	<0.050	1.91	1.91	126	1,150	154	
		8'	512	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.2	<10.0	
		10'	1340	<0.050	<0.050	<0.050	2.52	2.52	167	1,960	359	
		12'	1520	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	109	<10.0	
10/5/2021		14'	1550	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.8	<10.0	
		16'	1390	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.5	<10.0	
10/19/2021		18'	1500									
		20'	32									
9/27/2021	SP2	Surface	832	<0.050	<0.050	<0.050	1.23	1.23	162	11,600	3,730	32.6039448, -103.3052132
		2'	304	<0.050	<0.050	<0.050	3.29	3.29	90	1,160	270	
		4'	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		6'	1620	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		8'	944	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	53.4	<10.0	
10/5/2021		10'	1120									
		12'	1170									
		14'	752									
10/19/2021		16'	336									
9/27/2021	SP3	Surface	80.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13,500	4,470	32.6038033, -103.3051867
		2'	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
9/27/2021	H1	Surface	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	60.1	89.9	
	H2	Surface	304	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	130	142	
11/30/2021	H1	Surface	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.604021, -103.305378
	H2	Surface	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.604041, -103.305122

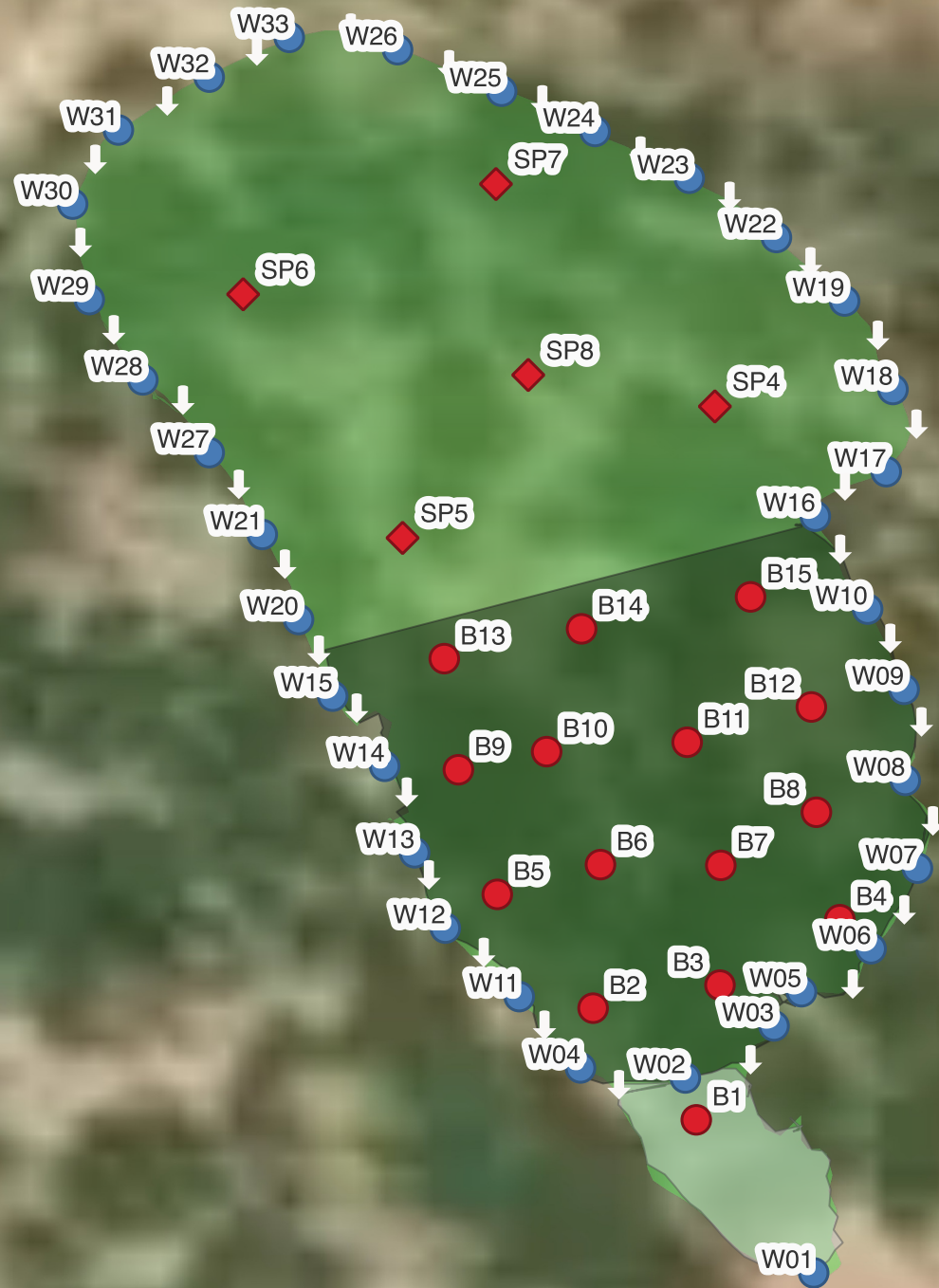
TABLE 1
APACHE CORPORATION
JR PHILLIPS #8

SAMPLE ID	AB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL- BENZENE (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	GRO C 6-C 10	DRO C 6-C 10	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
W- 1 WALL	H220875-01	0-2'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
W- 2 WALL	H220875-02	2-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
W- 3 WALL	H220875-03	0-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	<10.0	14.7	256
W- 4 WALL	H220875-05	0-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	704
W- 4 WALL	H221459-01	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	736
W- 5 WALL	H220875-06	0-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
W- 6 WALL	H220875-07	16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	544
W- 7 WALL	H220875-08	0-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	768
W- 7 WALL	H221459-05	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
W- 8 WALL	H220897-03	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
W- 9 WALL	H220923-01	0-16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 10 WALL	H220923-02	0-16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528
W- 11 WALL	H220897-01	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	720
W- 11 WALL	H221459-02	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
W- 12 WALL	H220897-02	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 13 WALL	H220897-04	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	784
W- 13 WALL	H221459-03	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	720
W-14 WALL	H220897-05	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	720
W-14 WALL	H221459-04	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 15 WALL	H220923-03	0-16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
W- 16 WALL	H220897-05	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1090
W- 16 WALL	H221459-06	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	17.0	17.0	576
W- 17 WALL	H220953-09	0-16'	03-09--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
W- 18 WALL	H220953-10	0-16'	03-09--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
W- 19 WALL	H220953-07	0-16'	03-09--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
W- 20 WALL	H220897-09	0-16'	03-09--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
W- 21 WALL	H220897-10	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
W- 22 WALL	H220979-04	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 23 WALL	H220979-05	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560
W- 24 WALL	H220979-07	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
W- 25 WALL	H220979-08	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
W- 26 WALL	H220979-06	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	656
W- 27 WALL	H220979-09	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
W- 28 WALL	H220979-10	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
W- 29 WALL	H220979-11	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
W- 30 WALL	H220979-12	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
W- 31 WALL	H220979-13	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
W- 32 WALL	H220979-14	0-22'	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0

TABLE 1
APACHE CORPORATION
JR PHILLIPS #8

W- 33 WALL	H220979-15	0-22"	03-10--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	67.4	20.6	88	208.0
B- 1 FLOOR	H220875-04	2'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	39.2	<10.0	39.2	80.0
B- 2 FLOOR	H220875-09	16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688
B- 2 FLOOR	H221430-01	16' 6"	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
B- 3 FLOOR	H220897-06	16'5"	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
B- 4 FLOOR	H220923-04	16'8"	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.2	39.6	79.2	400
B- 5 FLOOR	H220923-05	16'5"	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	24.8	24.8	416
B- 6 FLOOR	H220923-06	16'5"	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
B- 7 FLOOR	H220923-07	16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	768
B- 7 FLOOR	H221430-02	16' 6"	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1150
B- 8 FLOOR	H220923-08	16'	03-09--2022	COMP	0.060	0.172	0.060	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	752
B- 8 FLOOR	H221430-03	16' 6"	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	960
B- 9 FLOOR	H220953-01	16'5"	03-09--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32.0
B- 10 FLOOR	H220953-02	16'5"	03-09--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B- 11 FLOOR	H220953-03	16'5"	03-09--2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48.0

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL-BENZEN (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
SP-4	H221058-01	8'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.4	<10.0	12.4	432
SP-4	H221058-02	10'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		272
SP-4	H221058-03	12'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		832
SP-4	H221058-04	14'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		720
SP-4	H221058-05	16'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		752
SP-4	H221058-06	18'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		208
SP-4	H221058-07	20'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		560
SP-4	H221457-01	22'	4/8/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		880
SP-4	H22457-02	24'	4/8/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		1040
SP-4	H22457-03	26'	4/8/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		576
SP-5	H221058-08	8'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		128
SP-5	H221058-09	10'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.4	<10.0	16.4	656
SP-5	H221058-10	12'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.9	<10.0	21.9	560
SP-5	H221058-11	14'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		224
SP-5	H221058-12	16'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		400
SP-5	H221058-13	18'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		1280
SP-5	H221058-14	20'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		13300
SP-5	H221058-15	22'	3/16/22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		704
SP-6	H222342-01	10'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		1070
SP-6	H222342-02	12'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	124	1090	236	1450	912
SP-6	H222342-03	14'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.8	<10.0	24.8	752
SP-6	H222342-04	16'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.2	<10.0	28.2	1150
SP-6	H222342-05	18'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.8	<10.0	28.8	1470
SP-6	H222342-06	20'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		1630
SP-6	H222342-07	22'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		1570
SP-6	H222342-08	24'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		800
SP-6	H222342-09	25'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		736
SP-7	H222342-10	10'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		608
SP-7	H222342-11	12'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		304
SP-7	H222342-12	14'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.1	<10.0	20.1	672
SP-7	H222342-13	16'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		672
SP-7	H222342-14	18'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		608
SP-7	H222342-15	20'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		560
SP-7	H222342-16	22'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		176
SP-7	H222342-17	24'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		112
SP-7	H222342-18	25'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		160
SP-8	H222342-19	10'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	278	58.6	336.6	1410
SP-8	H222342-20	12'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.6	<10.0	12.6	1250
SP-8	H222342-21	14'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	58.5	11.9	70.4	1650
SP-8	H222342-22	16'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		1150
SP-8	H222342-23	18'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	65.5	776	170	1011.5	1360
SP-8	H222342-24	20'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.9	12.7	23.6	1200
SP-8	H222342-25	22'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.2	<10.0	12.2	960
SP-8	H222342-26	24'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		672
SP-8	H222342-27	25'	6-2-22	Grab	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0		432
B7	H221545-01	18'	4/13/22	Grab										1010
B7	H221545-02	20'	4/13/22	Grab										976
B7	H221545-03	22'	4/13/22	Grab										784
B7	H221545-04	24'	4/13/22	Grab										768
B7	H221545-05	26'	4/13/22	Grab										704



↓ Wall Deliniation

● Wall Label

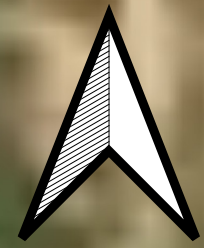
◆ Vertical Samples

● Floor Samples

□ 2' Excavation

■ 16'Excavation

■ Proposed 22' Excavation





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

March 10, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 03/04/22 16:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 1 BGS 0-2' (H220875-01)

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	03/09/2022	ND	2.13	106	2.00	6.61	
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11	
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73	
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03	
Total BTEX	<0.300	0.300	03/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/09/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 2 BGS 2-16' (H220875-02)

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	03/09/2022	ND	2.13	106	2.00	6.61	
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11	
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73	
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03	
Total BTEx	<0.300	0.300	03/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 3 BGS 0-16' (H220875-03)

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	03/09/2022	ND	2.13	106	2.00	6.61		
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03		
Total BTEX	<0.300	0.300	03/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0	
DRO >C10-C28*	14.7	10.0	03/09/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 99.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 1 @ 2' (H220875-04)

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	03/09/2022	ND	2.13	106	2.00	6.61	
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11	
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73	
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03	
Total BTEx	<0.300	0.300	03/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 87.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 4 BGS 0-16' (H220875-05)

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	03/09/2022	ND	2.13	106	2.00	6.61	
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11	
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73	
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03	
Total BTEx	<0.300	0.300	03/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	03/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2022	ND	211	105	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/10/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/10/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 5 BGS 0-16' (H220875-06)

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	03/09/2022	ND	2.13	106	2.00	6.61		
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03		
Total BTEX	<0.300	0.300	03/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 6 BGS 0-16' (H220875-07)

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	03/09/2022	ND	2.13	106	2.00	6.61	
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11	
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73	
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03	
Total BTEx	<0.300	0.300	03/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	03/09/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 7 BGS 0-16' (H220875-08)

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	03/09/2022	ND	2.13	106	2.00	6.61	
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11	
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73	
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03	
Total BTEx	<0.300	0.300	03/09/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	03/09/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0	
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	193	96.4	200	18.5	
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/04/2022	Sampling Date:	03/04/2022
Reported:	03/10/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 2 @ 16' (H220875-09)

BTX 8021B			mg/kg							
			Analyzed By: MS\							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2022	ND	2.13	106	2.00	6.61		
Toluene*	<0.050	0.050	03/09/2022	ND	2.13	107	2.00	7.11		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	2.12	106	2.00	6.73		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.53	109	6.00	6.03		
Total BTX	<0.300	0.300	03/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	03/09/2022	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/09/2022	ND	211	105	200	14.0		
DRO >C10-C28*	<10.0	10.0	03/09/2022	ND	193	96.4	200	18.5		
EXT DRO >C28-C36	<10.0	10.0	03/09/2022	ND						

Surrogate: 1-Chlorooctane 98.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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", is written over a horizontal line.

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: <u>Cardinal Laboratories</u>		P.O. #:		BILL TO		ANALYSIS REQUEST																																							
Project Manager: <u>Justin R. Bueck</u>		Company: <u>Apex</u>		Attn: <u>Bruce B.</u>																																									
Address:		City:		State:		Zip:																																							
Phone #:		Fax #:		City:		State:		Zip:																																					
Project #:		Project Owner:		City:		State:		Zip:																																					
Project Name:		Project Location: <u>S.R. Phillip #8</u>		Phone #:		Fax #:																																							
Sampler Name: <u>Joe Quaschnick</u>		FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																																					
Lab I.D. <u>#220875</u>		Sample I.D.		(G)RAB OR (S)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		BTEX		EXT TPH											
1		W1 BGS 0-2'		C		1		1		1		1		1		1		1		1		1		1		9:28		1		1		1													
2		W2 BGS 2-16'		C		1		1		1		1		1		1		1		1		1		1		9:30		1		1		1													
3		W3 BGS 6-16'		C		1		1		1		1		1		1		1		1		1		1		9:32		1		1		1													
4		B1 0-2'		C		1		1		1		1		1		1		1		1		1		1		9:34		1		1		1													
5		W4 BGS 0-16'		C		1		1		1		1		1		1		1		1		1		1		10:20		1		1		1													
6		W5 BGS 0-16'		C		1		1		1		1		1		1		1		1		1		1		8:10		1		1		1													
7		W6 BGS 0-16'		C		1		1		1		1		1		1		1		1		1		1		8:12		1		1		1													
8		W7 BGS 0-16'		C		1		1		1		1		1		1		1		1		1		1		8:14		1		1		1													
9		B2 0-16'		C		1		1		1		1		1		1		1		1		1		1		2:56		1		1		1													
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Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: <u>Standard</u>		Thermometer ID #113		Correction Factor -0.5°C		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C		Corrected Temp. °C																							
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: <u>Standard</u>		Thermometer ID #113		Correction Factor -0.5°C		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C		Corrected Temp. °C																									



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

March 11, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 03/07/22 16:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/07/2022	Sampling Date:	03/07/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 11 BGS 0-16' (H220897-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2022	ND	1.95	97.5	2.00	9.75	
Toluene*	<0.050	0.050	03/09/2022	ND	2.05	102	2.00	4.83	
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	1.99	99.5	2.00	5.23	
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.18	103	6.00	5.15	
Total BTEX	<0.300	0.300	03/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/09/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	207	103	200	1.67	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	109	200	0.321	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/07/2022	Sampling Date:	03/07/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 12 BGS 0-16' (H220897-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2022	ND	1.95	97.5	2.00	9.75		
Toluene*	<0.050	0.050	03/09/2022	ND	2.05	102	2.00	4.83		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	1.99	99.5	2.00	5.23		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	6.18	103	6.00	5.15		
Total BTEx	<0.300	0.300	03/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/09/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	207	103	200	1.67	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	109	200	0.321	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/07/2022	Sampling Date:	03/07/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 8 BGS 0-16' (H220897-03)

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	03/09/2022	ND	1.95	97.3	2.00	8.95		
Toluene*	<0.050	0.050	03/09/2022	ND	1.95	97.5	2.00	9.53		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	1.88	93.8	2.00	9.37		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	5.84	97.3	6.00	8.69		
Total BTEx	<0.300	0.300	03/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/09/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	207	103	200	1.67	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	109	200	0.321	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/07/2022	Sampling Date:	03/07/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 13 BGS 0-16' (H220897-04)

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	03/09/2022	ND	1.95	97.3	2.00	8.95		
Toluene*	<0.050	0.050	03/09/2022	ND	1.95	97.5	2.00	9.53		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	1.88	93.8	2.00	9.37		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	5.84	97.3	6.00	8.69		
Total BTEx	<0.300	0.300	03/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	03/09/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	207	103	200	1.67	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	109	200	0.321	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 75.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/07/2022	Sampling Date:	03/07/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 14 BGS 0-16' (H220897-05)

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	03/09/2022	ND	1.95	97.3	2.00	8.95		
Toluene*	<0.050	0.050	03/09/2022	ND	1.95	97.5	2.00	9.53		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	1.88	93.8	2.00	9.37		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	5.84	97.3	6.00	8.69		
Total BTEX	<0.300	0.300	03/09/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	03/09/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	207	103	200	1.67	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	217	109	200	0.321	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 75.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/07/2022	Sampling Date:	03/07/2022
Reported:	03/11/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 3 @ 16' 5" (H220897-06)

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	03/09/2022	ND	1.95	97.3	2.00	8.95		
Toluene*	<0.050	0.050	03/09/2022	ND	1.95	97.5	2.00	9.53		
Ethylbenzene*	<0.050	0.050	03/09/2022	ND	1.88	93.8	2.00	9.37		
Total Xylenes*	<0.150	0.150	03/09/2022	ND	5.84	97.3	6.00	8.69		
Total BTX	<0.300	0.300	03/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/09/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	207	103	200	1.67	
DRO >C10-C28*	24.7	10.0	03/11/2022	ND	217	109	200	0.321	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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: Diamond Back		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Justin R.		Company: Apache					
Address:		Attn: Bruce B.					
City: Havas		Address:					
State: WV		City:					
Zip: 26040		State:					
Phone #:		Phone #:					
Fax #:		Fax #:					
Project #:		Project Owner:					
Project Name:		Project Location:					
Sampler Name: Joe Phillips #8		Sampler Name: Joe Phillips #8					
FOR LAB USE ONLY		FOR LAB USE ONLY					
Lab I.D.		Sample I.D.					
H226897		H226897					
1 well BGS 0-16'		(G)RAB OR (C)OMP.					
2 well BGS 0-16'		# CONTAINERS					
3 well BGS 0-16'		GROUNDWATER					
4 well BGS 0-16'		WASTEWATER					
5 well BGS 0-16'		SOIL					
6 well BGS 0-16'		OIL					
7 well BGS 0-16'		SLUDGE					
8 well BGS 0-16'		OTHER:					
9 well BGS 0-16'		ACID/BASE:					
10 well BGS 0-16'		ICE / COOL					
11 well BGS 0-16'		OTHER:					
12 well BGS 0-16'		DATE					
13 well BGS 0-16'		TIME					
14 well BGS 0-16'		DATE					
15 well BGS 0-16'		TIME					
16 well BGS 0-16'		DATE					
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84 well BGS 0-16'		DATE					
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86 well BGS 0-16'		DATE					
87 well BGS 0-16'		TIME					
88 well BGS 0-16'		DATE					
89 well BGS 0-16'		TIME					
90 well BGS 0-16'		DATE					
91 well BGS 0-16'		TIME					
92 well BGS 0-16'		DATE					
93 well BGS 0-16'							



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

March 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 03/08/22 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 9 BGS 0-16' (H220923-01)

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	03/11/2022	ND	2.07	103	2.00	1.80	
Toluene*	<0.050	0.050	03/11/2022	ND	2.07	104	2.00	0.681	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.00	100	2.00	0.926	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.17	103	6.00	0.128	
Total BTEX	<0.300	0.300	03/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	400	16.0	03/11/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	206	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 10 BGS 0-16' (H220923-02)

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	03/11/2022	ND	2.07	103	2.00	1.80	
Toluene*	<0.050	0.050	03/11/2022	ND	2.07	104	2.00	0.681	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.00	100	2.00	0.926	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.17	103	6.00	0.128	
Total BTX	<0.300	0.300	03/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	03/11/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	206	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 15 BGS 0-16' (H220923-03)

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	03/11/2022	ND	2.07	103	2.00	1.80	
Toluene*	<0.050	0.050	03/11/2022	ND	2.07	104	2.00	0.681	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.00	100	2.00	0.926	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.17	103	6.00	0.128	
Total BTX	<0.300	0.300	03/11/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/11/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	206	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 4 @ 16' 8" (H220923-04)

BTX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2022	ND	2.07	103	2.00	1.80		
Toluene*	<0.050	0.050	03/11/2022	ND	2.07	104	2.00	0.681		
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.00	100	2.00	0.926		
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.17	103	6.00	0.128		
Total BTX	<0.300	0.300	03/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/11/2022	ND	416	104	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00		
DRO >C10-C28*	21.2	10.0	03/11/2022	ND	206	103	200	3.27		
EXT DRO >C28-C36	39.6	10.0	03/11/2022	ND						

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 5 @ 16' 5" (H220923-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2022	ND	2.07	103	2.00	1.80	
Toluene*	<0.050	0.050	03/11/2022	ND	2.07	104	2.00	0.681	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.00	100	2.00	0.926	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.17	103	6.00	0.128	
Total BTX	<0.300	0.300	03/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	416	16.0	03/11/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	206	103	200	3.27	
EXT DRO >C28-C36	24.8	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 98.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 6 @ 16' 5" (H220923-06)

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	03/11/2022	ND	2.07	103	2.00	1.80	
Toluene*	<0.050	0.050	03/11/2022	ND	2.07	104	2.00	0.681	
Ethylbenzene*	<0.050	0.050	03/11/2022	ND	2.00	100	2.00	0.926	
Total Xylenes*	<0.150	0.150	03/11/2022	ND	6.17	103	6.00	0.128	
Total BTEx	<0.300	0.300	03/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	592	16.0	03/11/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	206	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 7 @ 16' (H220923-07)

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	03/12/2022	ND	2.03	101	2.00	5.47		
Toluene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.33		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	5.03		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	104	6.00	5.01		
Total BTEx	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	768	16.0	03/11/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	206	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/08/2022	Sampling Date:	03/08/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 8 @ 16' (H220923-08)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.060	0.050	03/12/2022	ND	2.03	101	2.00	5.47	
Toluene*	0.172	0.050	03/12/2022	ND	2.02	101	2.00	5.33	
Ethylbenzene*	0.060	0.050	03/12/2022	ND	2.02	101	2.00	5.03	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.21	104	6.00	5.01	
Total BTX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	752	16.0	03/11/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/11/2022	ND	208	104	200	2.00	
DRO >C10-C28*	<10.0	10.0	03/11/2022	ND	206	103	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/11/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Diurnal Bole</u>		P.O. #:		BILL TO		ANALYSIS REQUEST													
Project Manager: <u>Justin R.</u>		Company: <u>Apache</u>																	
Address:		Attn: <u>Brue B.</u>																	
City: <u>Hobbs</u>		Address:																	
State: <u>NM</u>		City:																	
Zip: <u>88240</u>		State:																	
Phone #:		Fax #:																	
Project #:		Project Owner:																	
Project Name:		City:																	
Project Location: <u>Dr. Phillips #8</u>		State:																	
Sample Name: <u>See Attached</u>		Phone #:																	
Fax #:		Zip:																	
FOR LAB USE ONLY		PRESERV.		SAMPLING															
Lab I.D.		Sample I.D.																	
<u>H20923</u>																			
1 <u>W9 365 0-16'</u>		C 1		DATE		TIME		C		C x TPH		BTEx							
2 <u>W10 365 0-16'</u>		C 1		3/8		10:01		X		X		X							
3 <u>W15 365 0-16'</u>		C 1		3/8		10:07		X		X		X							
4 <u>B4 16' 8"</u>		C 1		3/8		10:40		X		X		X							
5 <u>B5 16' 5"</u>		C 1		3/8		10:42		X		X		X							
6 <u>B6 16' 5"</u>		C 1		3/8		11:45		X		X		X							
7 <u>B7 16' 5"</u>		C 1		3/8		2:00		X		X		X							
8 <u>B8 16' 5"</u>		C 1		3/8		8:02		X		X		X							
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Relinquished By: <u>Justin R. Brue</u>		Date: <u>3/8</u>		Received By: <u>Justin R. Brue</u>		All Results are emailed. Please provide Email address:													
Time: <u>16:35</u>		Time: <u>16:35</u>		REMARKS: <u>Justin Brue Jon</u>															
Delivered By: (Circle One)		Observed Temp. °C: <u>2.3</u>		Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: (Initials)		Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/> Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact		Observed Temp. °C:					
Sampler - UPS - Bus - Other:		Corrected Temp. °C: <u>1.8</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No		<u>70</u>		Thermometer ID #113		Correction Factor -0.5°C		<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C:					

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



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

March 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 03/09/22 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 9 @ 16' 5" (H220953-01)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/14/2022	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 10 @ 16' 5" (H220953-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63		
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75		
Total BTX	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 11 @ 16' 5" (H220953-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 12 @ 16' 5" (H220953-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63		
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75		
Total BTEx	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 16 BGS 0-16' (H220953-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63		
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75		
Total BTX	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 19 BGS 0-16' (H220953-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63		
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75		
Total BTEX	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 20 BGS 0-16' (H220953-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63		
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75		
Total BTEx	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 21 BGS 0-16' (H220953-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63		
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75		
Total BTX	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/14/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 17 BGS 0-16' (H220953-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022	ND	178	89.0	200	22.0	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	199	99.7	200	6.29	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 18 BGS 0-16' (H220953-10)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63		
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23		
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70		
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75		
Total BTX	<0.300	0.300	03/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2022	ND	209	105	200	14.9	
DRO >C10-C28*	<10.0	10.0	03/13/2022	ND	220	110	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	03/13/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Back Project Manager: Justin R.		P.O. #: Company: Apache Attn: Bruce B.	
Address: City: Hobbs State: NM Zip: 88240		BILL TO ANALYSIS REQUEST	
Phone #: Fax #: Project #: Project Owner:		City: State: Zip: Phone #: Fax #:	
Project Location: JR Phillips #8 Sampler Name: Joe Ausubel		FOR LAB USE ONLY	
Lab I.D. H22D953	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV SAMPLING
1 39 16' 15" 2 B10 16' 5" 3 B11 16' 5" 4 B12 16' 5" 5 1016 365 0-16' 6 1019 365 0-16' 7 1020 365 0-16' 8 1021 365 0-16' 9 1022 365 0-16' 10 1023 365 0-16'	1 C-1 2 C-1 3 C-1 4 C-1 5 C-1 6 C-1 7 C-1 8 C-1 9 C-1 10 C-1	1 3/9 9:00 2 3/9 9:02 3 3/9 9:04 4 3/9 9:04 5 3/9 11:57 6 3/9 11:59 7 3/9 12:01 8 3/9 12:03 9 3/9 12:05 10 3/9 12:07	1 X 2 X 3 X 4 X 5 X 6 X 7 X 8 X 9 X 10 X



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

March 15, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 03/10/22 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 13 @ 16' (H220979-01)

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	03/14/2022	ND	1.93	96.5	2.00	9.05	
Toluene*	<0.050	0.050	03/14/2022	ND	1.91	95.6	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/14/2022	ND	1.93	96.5	2.00	8.77	
Total Xylenes*	<0.150	0.150	03/14/2022	ND	5.99	99.8	6.00	8.65	
Total BTEX	<0.300	0.300	03/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	03/14/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	201	101	200	4.45	
DRO >C10-C28*	<10.0	10.0	03/15/2022	ND	214	107	200	4.58	
EXT DRO >C28-C36	<10.0	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 14 @ 16' 5" (H220979-02)

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	03/14/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/14/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/14/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/14/2022	ND	5.99	99.8	6.00	8.65		
Total BTEX	<0.300	0.300	03/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	206	103	200	1.35	QM-07
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 73.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 15 @ 16' 6" (H220979-03)

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	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTEX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 22 BGS 0-22' (H220979-04)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	9.05	
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 68.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 64.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 23 BGS 0-22' (H220979-05)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	9.05	
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65	
Total BTX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/14/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/15/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.5 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 26 BGS 0-22' (H220979-06)

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	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/15/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 53.2 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
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 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 24 BGS 0-22' (H220979-07)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.5 % 59.5-142

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Analytical Results For:

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 JUSTIN ROBERTS
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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 25 BGS 0-22' (H220979-08)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 73.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.7 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 27 BGS 0-22' (H220979-09)

BTX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTX	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/15/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.2 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 28 BGS 0-22' (H220979-10)

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	03/15/2022	ND	1.93	96.5	2.00	9.05	
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48	
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77	
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65	
Total BTEX	<0.300	0.300	03/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/14/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/15/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 29 BGS 0-22' (H220979-11)

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	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.2 % 59.5-142

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 30 BGS 0-22' (H220979-12)

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	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/15/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 59.5-142

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 31 BGS 0-22' (H220979-13)

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	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	206	103	200	1.35	
DRO >C10-C28*	39.2	10.0	03/15/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 32 BGS 0-22' (H220979-14)

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	03/15/2022	ND	1.93	96.5	2.00	9.05		
Toluene*	<0.050	0.050	03/15/2022	ND	1.91	95.6	2.00	9.48		
Ethylbenzene*	<0.050	0.050	03/15/2022	ND	1.93	96.5	2.00	8.77		
Total Xylenes*	<0.150	0.150	03/15/2022	ND	5.99	99.8	6.00	8.65		
Total BTEx	<0.300	0.300	03/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2022	ND	206	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/14/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	<10.0	10.0	03/14/2022	ND					

Surrogate: 1-Chlorooctane 79.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/10/2022	Sampling Date:	03/10/2022
Reported:	03/15/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 33 BGS 0-22' (H220979-15)

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	03/14/2022	ND	1.91	95.3	2.00	9.20		
Toluene*	<0.050	0.050	03/14/2022	ND	1.91	95.6	2.00	9.11		
Ethylbenzene*	<0.050	0.050	03/14/2022	ND	1.85	92.4	2.00	8.87		
Total Xylenes*	<0.150	0.150	03/14/2022	ND	5.68	94.7	6.00	9.75		
Total BTEX	<0.300	0.300	03/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/14/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2022	ND	206	103	200	1.35	
DRO >C10-C28*	67.4	10.0	03/15/2022	ND	243	121	200	6.70	
EXT DRO >C28-C36	20.6	10.0	03/15/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Diamond Rule</u>		P.O. #:		ANALYSIS REQUEST	
Project Manager: <u>Justin R</u>		Company: <u>Apurva</u>			
Address:		Attn: <u>Bruce B.</u>			
City: <u>Hobbs</u>		Address:			
State: <u>NM</u> Zip: <u>88240</u>		City:			
Phone #: _____ Fax #: _____		State:			
Project #: _____ Project Owner:		Zip:			
Project Location: <u>JR Phillips #8</u>		Phone #:			
Sampler Name: <u>Joe Quisenberry</u>		Fax #:			
FOR LAB USE ONLY		PRESERV.		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.			
		# CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER :			
		ACID/BASE:			
		ICE / COOL			
		OTHER :			
		DATE	TIME		
<u>4220979</u>	<u>1313 @ 16'</u>	<u>3/10</u>	<u>9:20</u>	<u>C</u>	<u>Ext TPH</u>
	<u>2 B14 @ 16' 5"</u>	<u>3/10</u>	<u>9:28</u>	<u>X</u>	<u>BTEX</u>
	<u>3 B15 @ 16' 6"</u>	<u>3/10</u>	<u>9:30</u>	<u>X</u>	
	<u>4 W22 BGS 0-22'</u>	<u>3/10</u>	<u>12:14</u>	<u>X</u>	
	<u>5 W23 BGS 0-22'</u>	<u>3/10</u>	<u>12:16</u>	<u>X</u>	
	<u>6 W24 BGS 0-22'</u>	<u>3/10</u>	<u>12:18</u>	<u>X</u>	
	<u>7 W24 BGS 0-22'</u>	<u>3/10</u>	<u>12:48</u>	<u>X</u>	
	<u>8 W25 BGS 0-22'</u>	<u>3/10</u>	<u>12:50</u>	<u>X</u>	
	<u>9 W27 BGS 0-22'</u>	<u>3/10</u>	<u>2:18</u>	<u>X</u>	
	<u>10 W28 BGS 0-22'</u>	<u>3/10</u>	<u>2:20</u>	<u>X</u>	
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Relinquished By: <u>Joe Quisenberry</u>	Date: <u>3/10</u>	Received By: <u>Justin R Bruce B</u>	Time: <u>10:25</u>		
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Turnaround Time:	Thermometer ID #113	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition		
	Correction Factor -0.5°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		
			Observed Temp. °C		
			Corrected Temp. °C		
REMARKS: <u>Justin R Bruce B Joe</u>					
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 celey.keene@cardinallabsnm.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

April 13, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 04/07/22 16:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 2 @ 16' 6" (H221430-01)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.51		
Toluene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	2.00	100	2.00	6.87		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	6.19	103	6.00	7.36		
Total BTEX	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	288	16.0	04/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	190	94.9	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	193	96.3	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/13/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - MONUMENT, NM		

Sample ID: B 7 @ 16' 6" (H221430-02)

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	04/12/2022	ND	2.02	101	2.00	6.51	
Toluene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.85	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	2.00	100	2.00	6.87	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	6.19	103	6.00	7.36	
Total BTEx	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1150	16.0	04/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	190	94.9	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	193	96.3	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/07/2022
 Reported: 04/13/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B 8 @ 16' 6" (H221430-03)

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.51	
Toluene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.85	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	2.00	100	2.00	6.87	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	6.19	103	6.00	7.36	
Total BTEX	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	960	16.0	04/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	190	94.9	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	193	96.3	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 67.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 69.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/07/2022
 Reported: 04/13/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B 12 @ 17' (H221430-04)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.51	
Toluene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.85	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	2.00	100	2.00	6.87	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	6.19	103	6.00	7.36	
Total BTX	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	752	16.0	04/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	190	94.9	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	193	96.3	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/07/2022
 Reported: 04/13/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B 13 @ 16' 6" (H221430-05)

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	04/12/2022	ND	2.02	101	2.00	6.51		
Toluene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.85		
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	2.00	100	2.00	6.87		
Total Xylenes*	<0.150	0.150	04/12/2022	ND	6.19	103	6.00	7.36		
Total BTEx	<0.300	0.300	04/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	992	16.0	04/12/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	190	94.9	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	193	96.3	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/07/2022
 Reported: 04/13/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B 14 @ 17' (H221430-06)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.51	
Toluene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.85	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	2.00	100	2.00	6.87	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	6.19	103	6.00	7.36	
Total BTX	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	816	16.0	04/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2022	ND	190	94.9	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	193	96.3	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 69.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/07/2022
 Reported: 04/13/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/07/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B 15 @ 17' (H221430-07)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.51	
Toluene*	<0.050	0.050	04/12/2022	ND	2.02	101	2.00	6.85	
Ethylbenzene*	<0.050	0.050	04/12/2022	ND	2.00	100	2.00	6.87	
Total Xylenes*	<0.150	0.150	04/12/2022	ND	6.19	103	6.00	7.36	
Total BTX	<0.300	0.300	04/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	912	16.0	04/12/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/12/2022	ND	190	94.9	200	4.16	
DRO >C10-C28*	<10.0	10.0	04/12/2022	ND	193	96.3	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	04/12/2022	ND					

Surrogate: 1-Chlorooctane 69.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 71.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u> Project Manager: <u>Justin R. Diamond Back</u>		P.O. #: Company: <u>Apache</u> Attn: <u>Bruce B.</u>	
Address: City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Address: City: State: Zip:	
Phone #: Fax #:		Project #: Project Owner:	
Project Name:		Project Location: <u>JR Phillips #8</u>	
Sampler Name: <u>See Analysis</u>		Phone #: Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	SAMPLING	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				ACID/BASE:	ICE / COOL	OTHER :	Ext	TPH	BTEX
H221430	1 B2 016' 6"	C	1			/				4/7	1:50							
	2 B7 016' 6"	C	1			/				4/7	2:15							
	3 B8 016' 6"	C	1			/				4/7	2:17							
	4 B12 017' 6"	C	1			/				4/7	3:00							
	5 B15 014' 6"	C	1			/				4/7	3:22							
	6 B14 017'	C	1			/				4/7	3:24							
	7 B15 017'	C	1			/				4/7	3:26							

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C: <u>9.98</u> Corrected Temp. °C: <u>9.48</u>	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>SE</u>	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush	Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
Relinquished By: <u>Justin R. Diamond Back</u> Date: <u>4/7</u> Time: <u>16:54</u>	Received By: <u>DeDequary</u> Date: <u>4/7</u> Time: <u>16:47</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	REMARKS:	Thermometer ID #13 Correction Factor -0.5°C	Corrected Temp. °C:

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



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

April 14, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 04/08/22 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/08/2022	Sampling Date:	04/08/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 4 BGS 0-16' 6" (H221459-01)

BTEX 8021B			mg/kg		Analyzed By: MS/				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	10.5	
Toluene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	9.79	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.54	109	6.00	10.1	
Total BTEX	<0.300	0.300	04/13/2022	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	04/14/2022	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2022	ND	189	94.6	200	8.50	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	220	110	200	8.51	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/08/2022	Sampling Date:	04/08/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 11 BGS 0-16' 6" (H221459-02)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	10.5	
Toluene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	9.79	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.54	109	6.00	10.1	
Total BTX	<0.300	0.300	04/13/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	04/14/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2022	ND	189	94.6	200	8.50	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	220	110	200	8.51	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/08/2022
 Reported: 04/14/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: W 13 BGS 0-16' 6" (H221459-03)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	10.5	
Toluene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	9.79	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.54	109	6.00	10.1	
Total BTEx	<0.300	0.300	04/13/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	04/14/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2022	ND	189	94.6	200	8.50	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	220	110	200	8.51	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/08/2022	Sampling Date:	04/08/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 14 BGS 0-16' 6" (H221459-04)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	10.5	
Toluene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	9.79	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.54	109	6.00	10.1	
Total BTX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	04/14/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2022	ND	189	94.6	200	8.50	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	220	110	200	8.51	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/08/2022
 Reported: 04/14/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: W 7 BGS 0-16' 6" (H221459-05)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	10.5	
Toluene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	9.79	
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	10.3	
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.54	109	6.00	10.1	
Total BTX	<0.300	0.300	04/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/14/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2022	ND	189	94.6	200	8.50	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	220	110	200	8.51	
EXT DRO >C28-C36	<10.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/08/2022	Sampling Date:	04/08/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - MONUMENT, NM		

Sample ID: W 16 BGS 0-16' 6" (H221459-06)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	10.5		
Toluene*	<0.050	0.050	04/13/2022	ND	2.20	110	2.00	9.79		
Ethylbenzene*	<0.050	0.050	04/13/2022	ND	2.11	105	2.00	10.3		
Total Xylenes*	<0.150	0.150	04/13/2022	ND	6.54	109	6.00	10.1		
Total BTEx	<0.300	0.300	04/13/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/14/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/13/2022	ND	189	94.6	200	8.50	
DRO >C10-C28*	<10.0	10.0	04/13/2022	ND	220	110	200	8.51	
EXT DRO >C28-C36	17.0	10.0	04/13/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Cardinal Laboratories</u>		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: <u>Justin R. Phillips Jr.</u>		Company: <u>Apache</u>					
Address: <u>1701</u>		Attn: <u>Bruce B.</u>					
City: <u>Hobbs</u>		Address:					
State: <u>NM</u>		City:					
Zip: <u>88240</u>		State:					
Phone #:		Zip:					
Fax #:							
Project #:							
Project Name:							
Project Location: <u>SR Phillips #8</u>		Phone #:					
Sample Name: <u>Justin Phillips Jr.</u>		Fax #:					
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
				DATE	TIME		
#201459	W4 RGS 0-16' 6"	C1	4/8	1:10			
	W11 RGS 0-16' 6"	C1	4/8	1:12			
	W13 RGS 0-16' 6"	C1	4/8	1:14			
	W4 RGS 0-16' 6"	C1	4/8	1:16			
	W7 RGS 0-16' 6"	C1	4/8	2:56			
	W10 RGS 0-16' 6"	C1	4/8	2:58			
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Relinquished By: <u>Justin Phillips Jr.</u>		Date: <u>4/8/22</u>		Received By: <u>Justin Phillips Jr.</u>		Date: <u>4/8/22</u>	
Relinquished By: <u>Justin Phillips Jr.</u>		Date: <u>4/8/22</u>		Received By: <u>Justin Phillips Jr.</u>		Date: <u>4/8/22</u>	
Delivered By: (Circle One)		Observed Temp. °C <u>11.0</u>		Sample Condition		CHECKED BY: <u>Justin Phillips Jr.</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>10.5</u>		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>		Thermometer ID #113	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor -0.5°C	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) Sample Condition	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Cool Intact <input checked="" type="checkbox"/>	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Observed Temp. °C	
				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temp. °C	

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

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

March 28, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 03/16/22 17:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at

www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 4 @ 8'	H221058-01	Soil	16-Mar-22 15:18	16-Mar-22 17:05
SP 4 @ 10'	H221058-02	Soil	16-Mar-22 15:20	16-Mar-22 17:05
SP 4 @ 12'	H221058-03	Soil	16-Mar-22 15:22	16-Mar-22 17:05
SP 4 @ 14'	H221058-04	Soil	16-Mar-22 15:24	16-Mar-22 17:05
SP 4 @ 16'	H221058-05	Soil	16-Mar-22 15:26	16-Mar-22 17:05
SP 4 @ 18'	H221058-06	Soil	16-Mar-22 15:28	16-Mar-22 17:05
SP 4 @ 20'	H221058-07	Soil	16-Mar-22 15:30	16-Mar-22 17:05
SP 5 @ 8'	H221058-08	Soil	16-Mar-22 16:00	16-Mar-22 17:05
SP 5 @ 10'	H221058-09	Soil	16-Mar-22 16:02	16-Mar-22 17:05
SP 5 @ 12'	H221058-10	Soil	16-Mar-22 16:04	16-Mar-22 17:05
SP 5 @ 14'	H221058-11	Soil	16-Mar-22 16:06	16-Mar-22 17:05
SP 5 @ 16'	H221058-12	Soil	16-Mar-22 16:08	16-Mar-22 17:05
SP 5 @ 18'	H221058-13	Soil	16-Mar-22 16:10	16-Mar-22 17:05
SP 5 @ 20'	H221058-14	Soil	16-Mar-22 16:12	16-Mar-22 17:05
SP 5 @ 22'	H221058-15	Soil	16-Mar-22 16:14	16-Mar-22 17:05

03/18/22 - Client requested a reanalysis of sample -15. We found a lab error on the extraction of the sample. This is the revised report with the corrected value for -15. This report replaces the one emailed on 03/17/22.

03/28/22 - Client added BTEX and TPH on 03/21/22. This is the 2nd revision of the report and will replace the one sent on 03/18/22.

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 4 @ 8'
H221058-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	432		16.0	mg/kg	4	2031715	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	69.9-140			2032202	JH	22-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	12.4	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane	101 %	66.9-136			2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane	106 %	59.5-142			2032203	MS	22-Mar-22	8015B	
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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 4 @ 10'
H221058-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	272		16.0	mg/kg	4	2031715	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	69.9-140		2032202	JH	22-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane			83.1 %	66.9-136		2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			85.9 %	59.5-142		2032203	MS	22-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 4 @ 12'
H221058-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	832		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	QM-07
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140 2032202 JH 22-Mar-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane 83.0 % 66.9-136 2032203 MS 22-Mar-22 8015B

Surrogate: 1-Chlorooctadecane 85.3 % 59.5-142 2032203 MS 22-Mar-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 4 @ 14'
H221058-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	720		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	69.9-140	2032202	JH	22-Mar-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B

Surrogate: 1-Chlorooctane	83.4 %	66.9-136	2032203	MS	22-Mar-22	8015B
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Surrogate: 1-Chlorooctadecane	86.1 %	59.5-142	2032203	MS	22-Mar-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 4 @ 16'
H221058-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	752		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032202	JH	23-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	69.9-140		2032202	JH	23-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane			105 %	66.9-136		2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	59.5-142		2032203	MS	22-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 4 @ 18'
H221058-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	69.9-140	2032202	JH	22-Mar-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B

Surrogate: 1-Chlorooctane	102 %	66.9-136	2032203	MS	22-Mar-22	8015B
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Surrogate: 1-Chlorooctadecane	106 %	59.5-142	2032203	MS	22-Mar-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 4 @ 20'
H221058-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	560		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	69.9-140	2032202	JH	22-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane	96.1 %	66.9-136	2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane	100 %	59.5-142	2032203	MS	22-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 8'
H221058-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	69.9-140	2032202	JH	22-Mar-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B

Surrogate: 1-Chlorooctane	97.9 %	66.9-136	2032203	MS	22-Mar-22	8015B
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Surrogate: 1-Chlorooctadecane	101 %	59.5-142	2032203	MS	22-Mar-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 10'
H221058-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	656		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032202	JH	23-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %		69.9-140	2032202	JH	23-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	16.4		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane			81.6 %		66.9-136	2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			85.7 %		59.5-142	2032203	MS	22-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 12'
H221058-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	560		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %		69.9-140	2032202	JH	22-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	21.9		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane			102 %		66.9-136	2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			107 %		59.5-142	2032203	MS	22-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 14'
H221058-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	23-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	69.9-140	2032202	JH	23-Mar-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B

Surrogate: 1-Chlorooctane	105 %	66.9-136	2032203	MS	22-Mar-22	8015B
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Surrogate: 1-Chlorooctadecane	110 %	59.5-142	2032203	MS	22-Mar-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 16'
H221058-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	400		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	69.9-140			2032202	JH	22-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane	85.7 %	66.9-136			2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane	90.4 %	59.5-142			2032203	MS	22-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 18'
H221058-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1280		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032202	JH	22-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032202	JH	22-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	69.9-140		2032202	JH	22-Mar-22	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane			103 %	66.9-136		2032203	MS	22-Mar-22	8015B	
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Surrogate: 1-Chlorooctadecane			109 %	59.5-142		2032203	MS	22-Mar-22	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 20'
H221058-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1330		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Toluene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	2032202	JH	23-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140 2032202 JH 23-Mar-22 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B	

Surrogate: 1-Chlorooctane 104 % 66.9-136 2032203 MS 22-Mar-22 8015B

Surrogate: 1-Chlorooctadecane 109 % 59.5-142 2032203 MS 22-Mar-22 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

SP 5 @ 22'
H221058-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	704		16.0	mg/kg	4	2031716	GM	17-Mar-22	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Toluene*	<0.050	0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	2032202	JH	23-Mar-22	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	2032202	JH	23-Mar-22	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	69.9-140	2032202	JH	23-Mar-22	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2032203	MS	22-Mar-22	8015B

Surrogate: 1-Chlorooctane	107 %	66.9-136	2032203	MS	22-Mar-22	8015B
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Surrogate: 1-Chlorooctadecane	112 %	59.5-142	2032203	MS	22-Mar-22	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2031715 - 1:4 DI Water**Blank (2031715-BLK1)**

Prepared & Analyzed: 17-Mar-22

Chloride	ND	16.0	mg/kg							
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LCS (2031715-BS1)

Prepared & Analyzed: 17-Mar-22

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (2031715-BSD1)

Prepared & Analyzed: 17-Mar-22

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 2031716 - 1:4 DI Water**Blank (2031716-BLK1)**

Prepared & Analyzed: 17-Mar-22

Chloride	ND	16.0	mg/kg							
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LCS (2031716-BS1)

Prepared & Analyzed: 17-Mar-22

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (2031716-BSD1)

Prepared & Analyzed: 17-Mar-22

Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032202 - Volatiles**Blank (2032202-BLK1)**

Prepared & Analyzed: 22-Mar-22

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0533		mg/kg	0.0500		107	69.9-140			

LCS (2032202-BS1)

Prepared & Analyzed: 22-Mar-22

Benzene	1.86	0.050	mg/kg	2.00		93.1	83.4-122			
Toluene	1.95	0.050	mg/kg	2.00		97.6	84.2-126			
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.6	84.2-121			
m,p-Xylene	4.28	0.100	mg/kg	4.00		107	89.9-126			
o-Xylene	1.87	0.050	mg/kg	2.00		93.5	84.3-123			
Total Xylenes	6.15	0.150	mg/kg	6.00		103	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0542		mg/kg	0.0500		108	69.9-140			

LCS Dup (2032202-BSD1)

Prepared & Analyzed: 22-Mar-22

Benzene	1.98	0.050	mg/kg	2.00		98.9	83.4-122	6.09	12.6	
Toluene	2.14	0.050	mg/kg	2.00		107	84.2-126	9.26	13.3	
Ethylbenzene	2.08	0.050	mg/kg	2.00		104	84.2-121	8.43	13.9	
m,p-Xylene	4.69	0.100	mg/kg	4.00		117	89.9-126	9.00	13.6	
o-Xylene	2.03	0.050	mg/kg	2.00		101	84.3-123	8.17	14.1	
Total Xylenes	6.72	0.150	mg/kg	6.00		112	89.1-124	8.75	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0556		mg/kg	0.0500		111	69.9-140			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: J R PHILLIPS #8
Project Number: NONE GIVEN
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
28-Mar-22 15:13

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032203 - General Prep - Organics**Blank (2032203-BLK1)**

Prepared & Analyzed: 22-Mar-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.0	66.9-136			
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	59.5-142			

LCS (2032203-BS1)

Prepared & Analyzed: 22-Mar-22

GRO C6-C10	178	10.0	mg/kg	200		89.0	79.1-128			
DRO >C10-C28	171	10.0	mg/kg	200		85.6	77-136			
Total TPH C6-C28	349	10.0	mg/kg	400		87.3	82.9-127			
Surrogate: 1-Chlorooctane	56.3		mg/kg	50.0		113	66.9-136			
Surrogate: 1-Chlorooctadecane	56.9		mg/kg	50.0		114	59.5-142			

LCS Dup (2032203-BS1)

Prepared & Analyzed: 22-Mar-22

GRO C6-C10	193	10.0	mg/kg	200		96.5	79.1-128	8.10	21.4	
DRO >C10-C28	184	10.0	mg/kg	200		92.1	77-136	7.35	17.9	
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	82.9-127	7.74	17.6	
Surrogate: 1-Chlorooctane	56.5		mg/kg	50.0		113	66.9-136			
Surrogate: 1-Chlorooctadecane	60.0		mg/kg	50.0		120	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Diamond Buco						BILL TO						ANALYSIS REQUEST					
Project Manager: Justin R.						P.O. #:											
Address:						Company: Apache											
City: Haddis						Attn: Bruce B.											
State: AZ						Address:											
Phone #:						City:											
Project #:						State:											
Project Owner:						Zip:											
Project Location: JR Phillips #28						Phone #:											
Sampler Name: Joe Quaresima Jr.						Fax #:											
FOR LAB USE ONLY						MATRIX						SAMPLING					
						(G)RAB OR (C)OMP.											
						# CONTAINERS											
						GROUNDWATER											
						WASTEWATER											
						SOIL											
						OIL											
						SLUDGE											
						OTHER :											
						ACID/BASE:											
						ICE / COOL											
						OTHER :											
						DATE						TIME					
Lab I.D.						Sample I.D.											
HTZ1058						SP 5 @ 8'						CL					
8						SP 5 @ 10'						Ext TPH					
9						SP 5 @ 12'						BTEx					
10						SP 5 @ 14'											
11						SP 5 @ 16'											
12						SP 5 @ 18'											
13						SP 5 @ 20'											
14						SP 5 @ 22'											
15																	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:				Date: 3/16				Received By:				Date:			
Relinquished By:				Time: 1:05				Received By:				Time:			
Delivered By: (Circle One)				Observed Temp. °C				Corrected Temp. °C				Sample Condition			
Sampler - UPS - Bus - Other:				6.4				5.9				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Turnaround Time:				CHECKED BY: (Initials)				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:			
Standard				T-20				All Results are emailed. Please provide Email address:							
Bacteria (only) Sample Condition				Thermometer ID #113				Correction Factor -0.5°C				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			
Observed Temp. °C				Corrected Temp. °C											

REMARKS:
Add'l Rush - CL only
3-21-22 BTEx + TPH



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

April 11, 2022

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 04/08/22 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/08/2022	Sampling Date:	04/08/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - MONUMENT, NM		

Sample ID: SP 4 @ 22' (H221457-01)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	10.8	
Toluene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	11.8	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.42	107	6.00	11.0	
Total BTX	<0.300	0.300	04/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	04/11/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	169	84.7	200	9.63	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	152	76.2	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.1 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/08/2022
 Reported: 04/11/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 4 @ 24' (H221457-02)

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	04/11/2022	ND	2.08	104	2.00	10.8		
Toluene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	11.5		
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.42	107	6.00	11.0		
Total BTEx	<0.300	0.300	04/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	04/11/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	169	84.7	200	9.63	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	152	76.2	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.0 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/08/2022
 Reported: 04/11/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: APACHE - MONUMENT, NM

Sampling Date: 04/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 4 @ 26' (H221457-03)

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	04/11/2022	ND	2.08	104	2.00	10.8	
Toluene*	<0.050	0.050	04/11/2022	ND	2.10	105	2.00	11.8	
Ethylbenzene*	<0.050	0.050	04/11/2022	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	04/11/2022	ND	6.42	107	6.00	11.0	
Total BTX	<0.300	0.300	04/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/11/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/11/2022	ND	169	84.7	200	9.63	
DRO >C10-C28*	<10.0	10.0	04/11/2022	ND	152	76.2	200	9.59	
EXT DRO >C28-C36	<10.0	10.0	04/11/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.4 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Dimond Back		P.O. #:		BILL TO											
Project Manager: Justin R.		Company: Arpelle		ANALYSIS REQUEST											
Address:		Attn: Bruce													
City:	State:	Zip:	Address:												
Phone #:	Fax #:	Project Owner:	City:	State:	Zip:										
Project #:	Project Location: SR Phillips #8		Phone #:												
Sampler Name: See Analysis		Fax #:													
FOR LAB USE ONLY															
Lab I.D. HA21457		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING			
								GROUNDWATER							
								WASTEWATER							
								SOIL							
								OIL							
								SLUDGE							
								OTHER :							
								ACID/BASE:							
								ICE / COOL							
								OTHER :							
1 SPT @ 22'		4/18 4:20		C1											
3 SPT @ 24'		4/18 4:22		EXT PH											
5 SPT @ 26'		4/18 4:24		BTEX											
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates, or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.															
Relinquished By: Justin R.		Date: 4/18		Received By: Stedrique		Date: 4/18		Time: 4:20		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:			
Relinquished By: Justin R.		Date: 4/18		Received By: Stedrique		Date: 4/18		Time: 4:20		All Results are emailed. Please provide Email address:					
Delivered By: (Circle One)		Observed Temp. °C 11.02		Sample Condition		CHECKED BY: SR		Turnaround Time: Standard		Bacteria (only) Sample Condition					
Sampler - UPS - Bus - Other:		Corrected Temp. °C 10.52		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>		(Initials)		Thermometer ID #113		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>					
				No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>				Correction Factor -0.5°C		No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>					
										Corrected Temp. °C					



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

April 14, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 04/13/22 16:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/13/2022	Sampling Date:	04/13/2022
Reported:	04/14/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B 7 @ 18' (H221545-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	04/14/2022	ND	416	104	400	0.00	

Sample ID: B 7 @ 20' (H221545-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	04/14/2022	ND	416	104	400	0.00	

Sample ID: B 7 @ 22' (H221545-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	04/14/2022	ND	416	104	400	0.00	

Sample ID: B 7 @ 24' (H221545-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	04/14/2022	ND	416	104	400	0.00	

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: 04/13/2022
 Reported: 04/14/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: B 7 @ 26' (H221545-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	04/14/2022	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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

September 30, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 09/27/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ SURFACE (H212685-01)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/29/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	2.79	0.150	09/29/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTEx	2.79	0.300	09/29/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 284 % 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	368	16.0	09/28/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	313	100	09/29/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	26500	100	09/29/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	8100	100	09/29/2021	ND					

Surrogate: 1-Chlorooctane 139 % 44.3-133

Surrogate: 1-Chlorooctadecane 751 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 2' (H212685-02)

BTX 8021B		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/28/2021	ND	1.91	95.3	2.00	6.43		
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	GC-NC	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39		
Total Xylenes*	2.49	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	GC-NC1	
Total BTEX	2.49	0.300	09/28/2021	ND					GC-NC1	

Surrogate: 4-Bromofluorobenzene (PID) 255 % 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	720	16.0	09/28/2021	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	156	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1850	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	314	50.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 99.1 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 4' (H212685-03)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/29/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	8.43	0.150	09/29/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTEX	8.43	0.300	09/29/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 456 % 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	560	16.0	09/28/2021	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	391	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	3060	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	579	50.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 107 % 44.3-133

Surrogate: 1-Chlorooctadecane 122 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 6' (H212685-04)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	1.91	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTEx	1.91	0.300	09/28/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 213 % 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	1010	16.0	09/28/2021	ND	432	108	400	0.00	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	126	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1150	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	154	50.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 96.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.9 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 8' (H212685-05)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/28/2021	ND	1.91	95.3	2.00	6.43		
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89		
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39		
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06		
Total BTX	<0.300	0.300	09/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	512	16.0	09/28/2021	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	17.2	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.9 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 10' (H212685-06)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	GC-NC
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	2.52	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	GC-NC1
Total BTX	2.52	0.300	09/28/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 251 % 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	1340	16.0	09/28/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	167	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1960	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	359	50.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 108 % 44.3-133

Surrogate: 1-Chlorooctadecane 116 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 12' (H212685-07)

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	09/28/2021	ND	1.91	95.3	2.00	6.43	
Toluene*	<0.050	0.050	09/28/2021	ND	1.97	98.5	2.00	3.89	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.88	94.2	2.00	3.39	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.73	95.6	6.00	4.06	
Total BTEX	<0.300	0.300	09/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1520	16.0	09/28/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	109	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.5 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ SURFACE (H212685-08)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/29/2021	ND	1.99	99.7	2.00	2.66	GC-NC
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	1.23	0.150	09/29/2021	ND	5.82	97.1	6.00	2.95	GC-NC1
Total BTEx	1.23	0.300	09/29/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 166 % 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	832	16.0	09/28/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	162	50.0	09/29/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	11600	50.0	09/29/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	3730	50.0	09/29/2021	ND					

Surrogate: 1-Chlorooctane 93.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 368 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 2' (H212685-09)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	GC-NC
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	3.29	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	GC-NC1
Total BTEx	3.39	0.300	09/28/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 236 % 69.9-140

Chloride, SM4500CI-B			mg/kg					Analyzed By: GM	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/28/2021	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*	90.4	10.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	1160	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	270	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.6 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 4' (H212685-10)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/28/2021	ND	1.83	91.5	2.00	3.57		
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52		
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95		
Total BTX	<0.300	0.300	09/28/2021	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	544	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.6 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 6' (H212685-11)

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	09/28/2021	ND	1.83	91.5	2.00	3.57		
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52		
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95		
Total BTEx	<0.300	0.300	09/28/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1620	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.6 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 8' (H212685-12)

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	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTX	<0.300	0.300	09/28/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	53.4	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 76.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.5 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ SURFACE (H212685-13)

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	09/29/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/29/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/29/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/29/2021	ND	5.82	97.1	6.00	2.95	
Total BTEx	<0.300	0.300	09/29/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/28/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	13500	50.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	4470	50.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 472 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 2' (H212685-14)

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	09/28/2021	ND	1.83	91.5	2.00	3.57		
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52		
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95		
Total BTEx	<0.300	0.300	09/28/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	<10.0	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	<10.0	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.6 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 1 (H212685-15)

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	09/28/2021	ND	1.83	91.5	2.00	3.57		
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52		
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95		
Total BTEx	<0.300	0.300	09/28/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/28/2021	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	09/28/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	60.1	10.0	09/28/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	89.9	10.0	09/28/2021	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.7 % 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:

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

Received: 09/27/2021
 Reported: 09/30/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 09/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 2 (H212685-16)

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	09/28/2021	ND	1.83	91.5	2.00	3.57	
Toluene*	<0.050	0.050	09/28/2021	ND	1.99	99.7	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/28/2021	ND	1.92	96.2	2.00	3.52	
Total Xylenes*	<0.150	0.150	09/28/2021	ND	5.82	97.1	6.00	2.95	
Total BTEX	<0.300	0.300	09/28/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	09/28/2021	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	09/29/2021	ND	196	97.8	200	0.304	
DRO >C10-C28*	130	10.0	09/29/2021	ND	215	108	200	1.01	
EXT DRO >C28-C36	142	10.0	09/29/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 86.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Apache						BILL TO								ANALYSIS REQUEST									
Project Manager: Bruce Baker						P.O. #:																	
Address:						Company:																	
City: Hobbs						Attn:																	
State: NM Zip: 88240						Address:																	
Phone #: Fax #:						City:																	
Project #: Project Owner:						State: Zip:																	
Project Location: Dr Phillips St						Phone #:																	
Sample Name: Joe Lusk						Fax #:																	
FOR LAB USE ONLY						MATRIX						PRESERV						SAMPLING					
Lab I.D.						(G)RAB OR (C)OMP.						DATE						TIME					
Sample I.D.						# CONTAINERS						GROUNDWATER						WASTEWATER					
						SOIL						OIL						SLUDGE					
						OTHER :						ACID/BASE:						CEP COOL					
						OTHER :																	
H2121685						X						9-27						2:54					
SP1 Surface						X						9-27						2:56					
SP1 @ 2'						X						9-27						2:58					
SP1 @ 4'						X						9-27						3:00					
SP1 @ 6'						X						9-27						3:02					
SP1 @ 8'						X						9-27						3:04					
SP1 @ 10'						X						9-27						3:06					
SP2 Surface						X						9-27						3:34					
SP2 @ 2'						X						9-27						3:36					
SP2 @ 4'						X						9-27						3:38					
SP2 @ 6'						X						9-27						3:40					
SP2 @ 8'						X						9-27						3:42					
SP2 @ 10'						X						9-27						3:44					
SP2 @ 12'						X						9-27						3:46					
SP2 @ 14'						X						9-27						3:48					
SP2 @ 16'						X						9-27						3:50					
SP2 @ 18'						X						9-27						3:52					
SP2 @ 20'						X						9-27						3:54					
SP2 @ 22'						X						9-27						3:56					
SP2 @ 24'						X						9-27						3:58					
SP2 @ 26'						X						9-27						4:00					
SP2 @ 28'						X						9-27						4:02					
SP2 @ 30'						X						9-27						4:04					
SP2 @ 32'						X						9-27						4:06					
SP2 @ 34'						X						9-27						4:08					
SP2 @ 36'						X						9-27						4:10					
SP2 @ 38'						X						9-27						4:12					
SP2 @ 40'						X						9-27						4:14					
SP2 @ 42'						X						9-27						4:16					
SP2 @ 44'						X						9-27						4:18					
SP2 @ 46'						X						9-27						4:20					
SP2 @ 48'						X						9-27						4:22					
SP2 @ 50'						X						9-27						4:24					
SP2 @ 52'						X						9-27						4:26					
SP2 @ 54'						X						9-27						4:28					
SP2 @ 56'						X						9-27						4:30					
SP2 @ 58'						X						9-27						4:32					
SP2 @ 60'						X						9-27						4:34					
SP2 @ 62'						X						9-27						4:36					
SP2 @ 64'						X						9-27						4:38					
SP2 @ 66'						X						9-27						4:40					
SP2 @ 68'						X						9-27						4:42					
SP2 @ 70'						X						9-27						4:44					
SP2 @ 72'						X						9-27						4:46					
SP2 @ 74'						X						9-27						4:48					
SP2 @ 76'						X						9-27						4:50					
SP2 @ 78'						X						9-27						4:52					
SP2 @ 80'						X						9-27						4:54					
SP2 @ 82'						X						9-27						4:56					
SP2 @ 84'						X						9-27						4:58					
SP2 @ 86'						X						9-27						5:00					
SP2 @ 88'						X						9-27						5:02					
SP2 @ 90'						X						9-27						5:04					
SP2 @ 92'						X						9-27						5:06					
SP2 @ 94'						X						9-27						5:08					
SP2 @ 96'						X						9-27						5:10					
SP2 @ 98'						X						9-27						5:12					
SP2 @ 100'						X						9-27						5:14					
SP2 @ 102'						X						9-27						5:16					
SP2 @ 104'						X						9-27						5:18					
SP2 @ 106'						X						9-27						5:20					
SP2 @ 108'						X						9-27						5:22					
SP2 @ 110'						X						9-27						5:24					
SP2 @ 112'						X						9-27						5:26					
SP2 @ 114'						X						9-27						5:28					
SP2 @ 116'						X						9-27						5:30					
SP2 @ 118'						X						9-27						5:32					
SP2 @ 120'						X						9-27						5:					



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Agave</u> Project Manager: <u>Bruce Robert</u>		P.O. #: _____ Company: _____	
Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>Dr Phillips #6</u> Sampler Name: <u>Dr Charles</u>		Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	

FOR LAB USE ONLY		MATRIX		PRESERV	SAMPLING	ANALYSIS REQUEST																					
Lab I.D.	Sample I.D.	(G)AS (OR) (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	() COOL	OTHER :	DATE	TIME													
#212685	SP2 Q2		1			X							9-27	3:38	X	X	X										
	SP2 Q2		1										9-27	3:40	X	X	X										
	SP3 Soften		1										9-27	3:42	X	X	X										
	SP3 Q2		1										9-27	3:44	X	X	X										
	SP1		1										9-27	3:46	X	X	X										
	SP2		1			X							9-27	3:48	X	X	X										

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By: _____ Date: <u>9-27</u> Received By: _____ Date: <u>9-27</u> Time: <u>1635</u> Received By: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C: <u>6.1</u> Corrected Temp. °C: <u>5.6</u> Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: _____ Corrected Temp. °C: _____	
Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 <input type="checkbox"/> Correction Factor None <input checked="" type="checkbox"/>		REMARKS: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____	



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

October 07, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 10/05/21 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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: 10/05/2021
 Reported: 10/07/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 14' (H212768-01)

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	10/06/2021	ND	2.00	100	2.00	8.24	
Toluene*	<0.050	0.050	10/06/2021	ND	1.96	97.8	2.00	8.69	
Ethylbenzene*	<0.050	0.050	10/06/2021	ND	1.92	96.2	2.00	8.30	
Total Xylenes*	<0.150	0.150	10/06/2021	ND	5.86	97.6	6.00	7.65	
Total BTEX	<0.300	0.300	10/06/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	10/06/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2021	ND	191	95.4	200	1.90	
DRO >C10-C28*	39.8	10.0	10/06/2021	ND	218	109	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	10/06/2021	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.4 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/05/2021
 Reported: 10/07/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 16' (H212768-02)

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	10/06/2021	ND	2.00	100	2.00	8.24	
Toluene*	<0.050	0.050	10/06/2021	ND	1.96	97.8	2.00	8.69	
Ethylbenzene*	<0.050	0.050	10/06/2021	ND	1.92	96.2	2.00	8.30	
Total Xylenes*	<0.150	0.150	10/06/2021	ND	5.86	97.6	6.00	7.65	
Total BTEx	<0.300	0.300	10/06/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1390	16.0	10/06/2021	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2021	ND	191	95.4	200	1.90	
DRO >C10-C28*	36.5	10.0	10/06/2021	ND	218	109	200	8.17	
EXT DRO >C28-C36	<10.0	10.0	10/06/2021	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.0 % 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:

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

Received: 10/05/2021
 Reported: 10/07/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 10/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 10' (H212768-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	10/06/2021	ND	432	108	400	0.00	

Sample ID: SP 2 @ 12' (H212768-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	10/06/2021	ND	432	108	400	0.00	

Sample ID: SP 2 @ 14' (H212768-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	10/06/2021	ND	432	108	400	0.00	

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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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



Page 6 of 6

Released to Imaging: 7/7/2022 9:23:35 AM



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

October 22, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 10/19/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, 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: 10/19/2021
 Reported: 10/22/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 10/19/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 18' (H212940-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	10/21/2021	ND	416	104	400	3.92	

Sample ID: SP 1 @ 20' (H212940-02)

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	10/21/2021	ND	416	104	400	3.92	

Sample ID: SP 2 @ 16'; (H212940-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/21/2021	ND	416	104	400	3.92	

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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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



(315) 393-2326 FAX (515) 393-2476

Page 4 of 4



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

December 01, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 11/30/21 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/30/2021
 Reported: 12/01/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 1 (H213419-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/01/2021	ND	2.05	102	2.00	8.25	
Toluene*	<0.050	0.050	12/01/2021	ND	2.03	101	2.00	11.0	
Ethylbenzene*	<0.050	0.050	12/01/2021	ND	1.99	99.7	2.00	11.6	
Total Xylenes*	<0.150	0.150	12/01/2021	ND	6.02	100	6.00	10.5	
Total BTX	<0.300	0.300	12/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	16.0	16.0	12/01/2021	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2021	ND	200	99.8	200	5.26	
DRO >C10-C28*	<10.0	10.0	12/01/2021	ND	205	103	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	12/01/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.8 % 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:

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

Received: 11/30/2021
 Reported: 12/01/2021
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 11/30/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H 2 (H213419-02)

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	12/01/2021	ND	2.05	102	2.00	8.25		
Toluene*	<0.050	0.050	12/01/2021	ND	2.03	101	2.00	11.0		
Ethylbenzene*	<0.050	0.050	12/01/2021	ND	1.99	99.7	2.00	11.6		
Total Xylenes*	<0.150	0.150	12/01/2021	ND	6.02	100	6.00	10.5		
Total BTEX	<0.300	0.300	12/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	16.0	16.0	12/01/2021	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2021	ND	200	99.8	200	5.26	
DRO >C10-C28*	<10.0	10.0	12/01/2021	ND	205	103	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	12/01/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.2 % 38.9-142

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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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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

[illegible]



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

June 08, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 06/02/22 13:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	06/02/2022	Sampling Date:	06/02/2022
Reported:	06/08/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MONUMENT, NM		

Sample ID: SP 6 @ 10' (H222342-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15	
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565	
Total BTEX	<0.300	0.300	06/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	1070	16.0	06/06/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	<10.0	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 12' (H222342-02)

BTEx 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15	GC-NC
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565	GC-NC
Total BTEx	<0.300	0.300	06/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 187 % 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	912	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	124	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	1090	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	236	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 126 % 66.9-136

Surrogate: 1-Chlorooctadecane 160 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 14' (H222342-03)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15	
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565	
Total BTEx	<0.300	0.300	06/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	752	16.0	06/06/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	24.8	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 16' (H222342-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04		
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15		
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24		
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565		
Total BTEx	<0.300	0.300	06/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	1150	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	28.2	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 18' (H222342-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15	
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565	
Total BTEx	<0.300	0.300	06/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	1470	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	28.8	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 20' (H222342-06)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04	
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15	
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24	
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565	
Total BTEx	<0.300	0.300	06/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	1630	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	<10.0	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 22' (H222342-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04		
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15		
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24		
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565		
Total BTEX	<0.300	0.300	06/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	1570	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	<10.0	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 24' (H222342-08)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/04/2022	ND	2.18	109	2.00	1.04		
Toluene*	<0.050	0.050	06/04/2022	ND	2.13	107	2.00	1.15		
Ethylbenzene*	<0.050	0.050	06/04/2022	ND	2.08	104	2.00	1.24		
Total Xylenes*	<0.150	0.150	06/04/2022	ND	6.43	107	6.00	0.565		
Total BTX	<0.300	0.300	06/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	800	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	<10.0	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 6 @ 25' (H222342-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	06/06/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	<10.0	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 99.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 10' (H222342-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/06/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	<10.0	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 12' (H222342-11)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89	
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53	
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90	
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19	
Total BTX	<0.300	0.300	06/06/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	06/06/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2022	ND	205	103	200	7.34	
DRO >C10-C28*	<10.0	10.0	06/06/2022	ND	201	101	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	06/06/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 14' (H222342-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89	
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53	
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90	
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19	
Total BTEx	<0.300	0.300	06/06/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/06/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	200	99.9	200	7.83	
DRO >C10-C28*	20.1	10.0	06/03/2022	ND	178	89.1	200	9.10	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 16' (H222342-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEX	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/06/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 18' (H222342-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 20' (H222342-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89	
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53	
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90	
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19	
Total BTEx	<0.300	0.300	06/06/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 22' (H222342-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 24' (H222342-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	112	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 7 @ 25' (H222342-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89	
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53	
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90	
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19	
Total BTEx	<0.300	0.300	06/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	160	16.0	06/06/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 10' (H222342-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89	
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53	
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90	
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19	
Total BTX	<0.300	0.300	06/06/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	06/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	278	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	58.6	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 12' (H222342-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	06/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	206	103	200	9.51	
DRO >C10-C28*	12.6	10.0	06/03/2022	ND	194	97.2	200	12.2	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 14' (H222342-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	1650	16.0	06/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	212	106	200	7.84	
DRO >C10-C28*	58.5	10.0	06/03/2022	ND	196	97.9	200	10.3	
EXT DRO >C28-C36	11.9	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 16' (H222342-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	06/06/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	212	106	200	7.84	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	196	97.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 18' (H222342-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89	
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53	
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90	GC-NC
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19	GC-NC
Total BTEX	<0.300	0.300	06/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	1360	16.0	06/06/2022	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	65.5	10.0	06/03/2022	ND	212	106	200	7.84	
DRO >C10-C28*	776	10.0	06/03/2022	ND	196	97.9	200	10.3	
EXT DRO >C28-C36	170	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 136 % 66.9-136

Surrogate: 1-Chlorooctadecane 147 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 20' (H222342-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEX	<0.300	0.300	06/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	1200	16.0	06/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	212	106	200	7.84	
DRO >C10-C28*	10.9	10.0	06/03/2022	ND	196	97.9	200	10.3	
EXT DRO >C28-C36	12.7	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 22' (H222342-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	06/06/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	212	106	200	7.84	
DRO >C10-C28*	12.2	10.0	06/03/2022	ND	196	97.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 24' (H222342-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	06/06/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	212	106	200	7.84	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	196	97.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/02/2022
 Reported: 06/08/2022
 Project Name: J R PHILLIPS #8
 Project Number: NONE GIVEN
 Project Location: MONUMENT, NM

Sampling Date: 06/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 8 @ 25' (H222342-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/06/2022	ND	2.10	105	2.00	4.89		
Toluene*	<0.050	0.050	06/06/2022	ND	2.07	103	2.00	4.53		
Ethylbenzene*	<0.050	0.050	06/06/2022	ND	1.93	96.7	2.00	3.90		
Total Xylenes*	<0.150	0.150	06/06/2022	ND	5.99	99.8	6.00	3.19		
Total BTEx	<0.300	0.300	06/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	432	16.0	06/06/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/03/2022	ND	212	106	200	7.84	
DRO >C10-C28*	<10.0	10.0	06/03/2022	ND	196	97.9	200	10.3	
EXT DRO >C28-C36	<10.0	10.0	06/03/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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

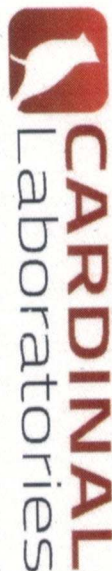
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Apache		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: Brace B.		Company:									
Address:		Attn:									
City: Hobbs		State: NM		Zip: 88240							
Phone #:		Fax #:		Address:							
Project #:		Project Owner:		City:		State:		Zip:			
Project Name:		Phone #:									
Project Location: JB Phillips #8		Fax #:									
Sampler Name: See Chain of Custody											
FOR LAB USE ONLY											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
H222342		SP7 @ 10'		G1		1		SOIL		OIL	
10		SP7 @ 12'						SLUDGE		OTHER:	
11		SP7 @ 14'						ACID/BASE:		ICE / COOL	
12		SP7 @ 16'						OTHER:			
13		SP7 @ 18'						DATE		TIME	
14		SP7 @ 20'						12:09		X	
15		SP7 @ 22'						12:10		X	
16		SP7 @ 24'						12:11		X	
17		SP7 @ 25'						12:12		X	
18								12:13		X	
								12:14		X	
								12:15		X	
								12:16		X	
								12:17		X	
										CL	
										EXT	
										TPH	
										BTEX	

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Relinquished By: See Chain of Custody	Date: 6/12	Received By: Mark Henderson	Time: 13:25
Relinquished By:	Date:	Received By:	Time:
Delivered By: (Circle One)	Observed Temp. °C: 1.1	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: [Signature]
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 0.6	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Add'l Phone #:
Thermometer ID #113		Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C:
Correction Factor -0.5°C		Corrected Temp. °C:	

FORM 000-K 3.2 10/07/21

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apacur</u>		P.O. #:		BILL TO				ANALYSIS REQUEST																									
Project Manager: <u>Bruce B.</u>		Company:																															
Address:		Attn:																															
City: <u>Hobbs</u>		Address:																															
State:		City:																															
Zip:		State:																															
Phone #:		Fax #:																															
Project #:		Project Owner:																															
Project Name:		City:																															
Project Location: <u>JR Phillips #8</u>		State:																															
Sample Name: <u>see Quercus 8</u>		Phone #:																															
FOR LAB USE ONLY		Fax #:																															
Lab I.D. <u>H222342</u>		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		CL		Ext TPH		BTEx	
Sample I.D.																																	
19		SP4 @ 10'		6																				6/2		12:18		/		/			
17		SP8 @ 12'		1																				12:19		/		/					
21		SP8 @ 14'																						12:20		/		/					
22		SP8 @ 18'																						12:21		/		/					
23		SP8 @ 20'																						12:22		/		/					
24		SP8 @ 20'																						12:23		/		/					
25		SP8 @ 20'																						12:24		/		/					
26		SP8 @ 24'																						12:25		/		/					
27		SP8 @ 28'																						12:26		/		/					
Relinquished By: <u>[Signature]</u>		Date: <u>6/2</u>		Received By: <u>[Signature]</u>		Date: <u>6/2</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>			
Relinquished By: <u>[Signature]</u>		Date: <u>6/2</u>		Received By: <u>[Signature]</u>		Date: <u>6/2</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>		Time: <u>13:25</u>			
Delivered By: (Circle One)		Observed Temp. °C <u>1.1</u>		Sample Condition		CHECKED BY: <u>[Signature]</u>		Turnaround Time:		Standard		Bacteria (only)		Sample Condition		Observed Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C		Corrected Temp. °C			
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>0.6</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C		Correction Factor -0.5°C			

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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

COMMENTS

Action 119803

COMMENTS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 119803
	Action Type: [C-141] Release Corrective Action (C-141)

COMMENTS

Created By	Comment	Comment Date
jharimon	Amended remediation	6/24/2022

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 119803

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 119803
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Amended Remediation Plan Approved with Conditions. Please submit confirmation soil sample laboratory data from area SP-1 to OCD prior to backfilling activities. OCD approves the installation of a temporary well near SP-6.	7/7/2022