



2350 W Marland Blvd Hobbs, NM 88240

## **Closure Report**

October 28, 2020

Re: Turner Battery Transfer Line  
Case #: NRM202346184

On 07/28/2020 a release occurred due to a 3<sup>rd</sup> party contractor striking an above ground flow line with the blade of a backhoe resulting in a loss of produced water. The release (GPS: 32.46680, -103.15340) is located north of Eunice, NM in unit letter F section 22 township 21S range 37E. A groundwater survey was conducted utilizing the NMOSE and USGS wells of record. The nearest well suggest that groundwater beneath the release is 35 feet below ground surface.

On 8/6/2020 a one vertical point was fully delineated inside of the release area to a depth of 2 feet. This sample was submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

On 8/12/2020 the release area was excavated to a depth 1' foot. 5-point bottom and wall composite samples were collected not exceeding 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Analytical data confirms the excavation meets table 1 standards for releases less than 50 feet to groundwater. All excavated material (12 yards) was taken to an NMOCD approved facility. The area was backfilled with clean topsoil from the surrounding area and contoured. The disturbed area will be reseeded with the surface landowner's guidelines.

Apache Corporation has complete remediation and respectfully request that the event be closed.

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

Submitted by;

*Bruce Baker*

**Environmental Technician**  
larry.baker@apachecorp.com  
**Cell# 432-631-6982**  
**Off# 575-393-7106**

Incident ID	NRM2022346184
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 <b>not</b> 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.

State of New Mexico  
Oil Conservation Division

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Incident ID	NRM2022346184
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: Jeff Broom Title: Environmental Tech III  
 Signature: *Jeff Broom* Date: 10/28/2020  
 email: Jeffrey.Broom@apachecorp.com Telephone: 432.664.4677

**OCD Only**

Received by: Cristina Eads Date: 12/30/2020

State of New Mexico  
Oil Conservation Division

Page 6

Incident ID	NRM2022346184
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Jeff Broom Title: Environmental Tech III  
 Signature: *Jeff Broom* Date: 10/28/2020  
 email: Jeffrey.Broom@apachecorp.com Telephone: 432.664.4677

**OCD Only**

Received by: Cristina Eads Date: 12/30/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: 12/30/2020

Printed Name: Cristina Eads Title: Environmental Specialist

Show search results for 32.466...



207

Ellison Ln

CP-00730-POD1

Argo Ln

CP-00731-POD1

CP-00732-POD1

Argo Ln

Jones City Rd

CP-01575-POD1  
CP-01575-POD2

CP-01141-POD3  
CP-01141-POD4

Speedway Ln

207

1:4513





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

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01575 POD2	2	2	1	22	21S	37E	673615	3594181

Driller License:	1456	Driller Company:	WHITE DRILLING COMPANY
Driller Name:	WHITE, JOHN W		
Drill Start Date:	12/15/2015	Drill Finish Date:	12/16/2015
Log File Date:	12/30/2015	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	2.00	Depth Well:	35 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	
		Depth Water:	35 feet

Water Bearing Stratifications:	Top	Bottom	Description
	32	33	Sandstone/Gravel/Conglomerate
	33	35	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	25	35

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

9/22/20 12:48 PM

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)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	CP 01575 POD1	1	2	1	22	21S	37E	673544	3594204

Driller License:	1456	Driller Company:	WHITE DRILLING COMPANY
Driller Name:	WHITE, JOHN W		
Drill Start Date:	12/15/2015	Drill Finish Date:	12/16/2015
Log File Date:	12/30/2015	PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	2.00	Depth Well:	40 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	
		Depth Water:	35 feet

Water Bearing Stratifications:	Top	Bottom	Description
	23	38	Sandstone/Gravel/Conglomerate
	38	40	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	30	40

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

9/22/20 12:47 PM

POINT OF DIVERSION SUMMARY

Radius

Buffer Size (miles) : 0.5

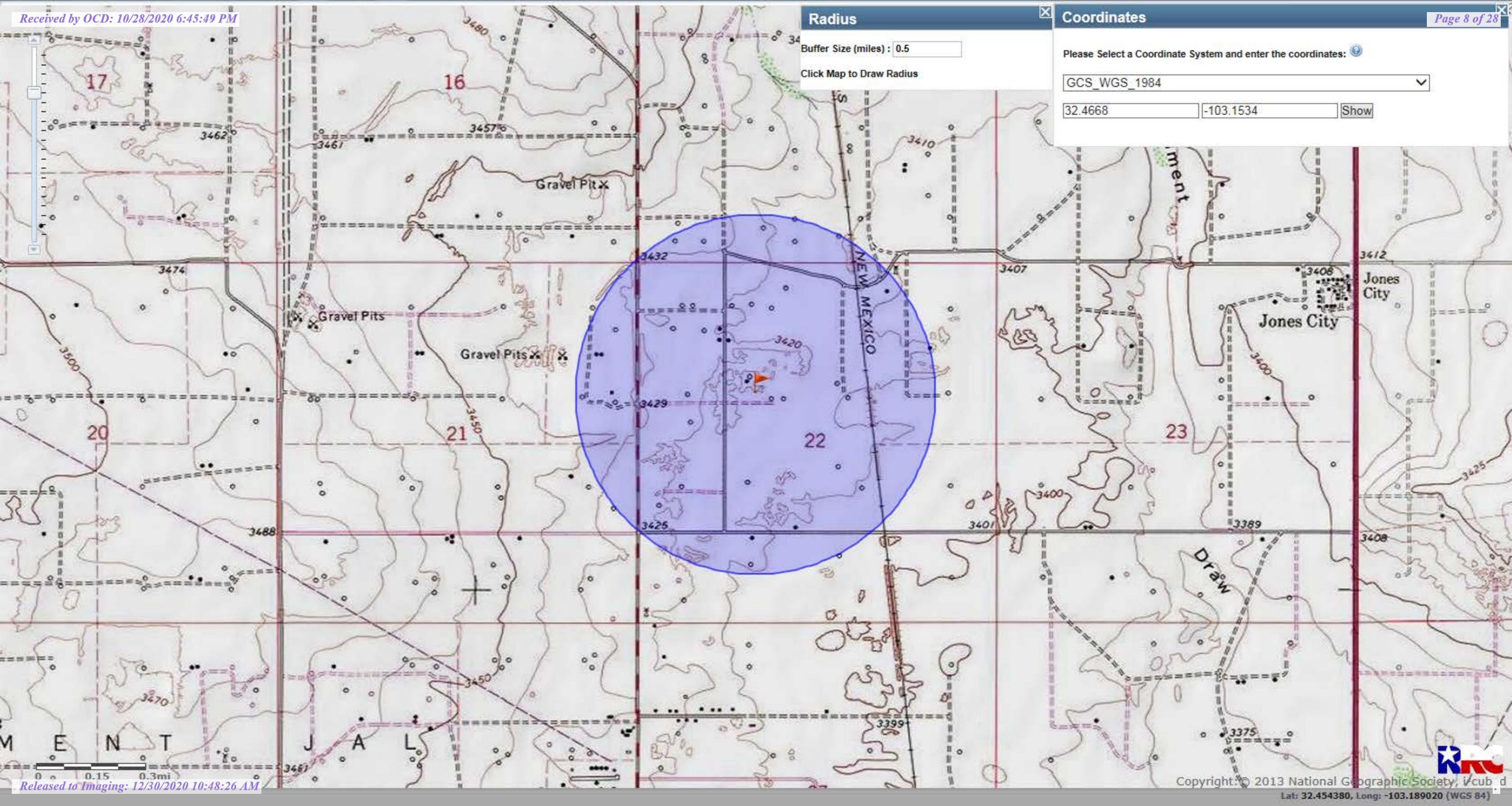
Click Map to Draw Radius

Coordinates

Please Select a Coordinate System and enter the coordinates:

GCS\_WGS\_1984

32.4668 -103.1534 Show





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Google earth





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

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August 12, 2020

BRANDON PRICE

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: TURNER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/06/20 13:26.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/06/2020	Sampling Date:	08/06/2020
Reported:	08/12/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: SURFACE (H002045-01)**

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	08/07/2020	ND	1.85	92.6	2.00	5.01	
Toluene*	<0.050	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17	
Ethylbenzene*	<0.050	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33	
Total Xylenes*	<0.150	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30	
Total BTEX	<0.300	0.300	08/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	08/07/2020	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	08/07/2020	ND	203	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/07/2020	ND	210	105	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	08/07/2020	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.5 % 42.2-156

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

Received:	08/06/2020	Sampling Date:	08/06/2020
Reported:	08/12/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: 1' (H002045-02)**

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	08/07/2020	ND	1.85	92.6	2.00	5.01	
Toluene*	<0.050	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17	
Ethylbenzene*	<0.050	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33	
Total Xylenes*	<0.150	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30	
Total BTEX	<0.300	0.300	08/07/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 73.3-129

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	08/07/2020	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	08/07/2020	ND	203	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	08/07/2020	ND	210	105	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	08/07/2020	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.9 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/06/2020	Sampling Date:	08/06/2020
Reported:	08/12/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: 2' (H002045-03)**

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	08/07/2020	ND	1.85	92.6	2.00	5.01		
Toluene*	<0.050	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17		
Ethylbenzene*	<0.050	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33		
Total Xylenes*	<0.150	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30		
Total BTEX	<0.300	0.300	08/07/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/07/2020	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	08/07/2020	ND	203	102	200	2.39		
DRO >C10-C28*	<10.0	10.0	08/07/2020	ND	210	105	200	1.06		
EXT DRO >C28-C36	<10.0	10.0	08/07/2020	ND						

Surrogate: 1-Chlorooctane 77.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.0 % 42.2-156

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\*=Accredited Analyte

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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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

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August 18, 2020

BRANDON PRICE

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: TURNER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/12/20 14:58.

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

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

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

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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:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: W 1 (H002097-01)**

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	08/14/2020	ND	1.94	97.2	2.00	3.55	
Toluene*	<0.050	0.050	08/14/2020	ND	1.93	96.6	2.00	3.80	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	1.91	95.6	2.00	3.09	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.58	93.0	6.00	3.04	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/14/2020	ND	400	100	400	7.69	

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	08/13/2020	ND	195	97.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	08/13/2020	ND	209	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/13/2020	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.0 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: W 2 (H002097-02)**

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	08/14/2020	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	08/14/2020	ND	2.04	102	2.00	4.71	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.88	98.0	6.00	5.31	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/14/2020	ND	400	100	400	7.69	

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	08/14/2020	ND	195	97.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	08/14/2020	ND	209	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/14/2020	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: W 3 (H002097-03)**

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	08/14/2020	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	08/14/2020	ND	2.04	102	2.00	4.71	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.88	98.0	6.00	5.31	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

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	08/14/2020	ND	416	104	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	08/14/2020	ND	195	97.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	08/14/2020	ND	209	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/14/2020	ND					

Surrogate: 1-Chlorooctane 88.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: W 4 (H002097-04)**

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	08/14/2020	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	08/14/2020	ND	2.04	102	2.00	4.71	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.88	98.0	6.00	5.31	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

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	08/14/2020	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	08/14/2020	ND	195	97.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	08/14/2020	ND	209	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/14/2020	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: B 1 (H002097-05)**

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	08/14/2020	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	08/14/2020	ND	2.04	102	2.00	4.71	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.88	98.0	6.00	5.31	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 73.3-129

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	08/14/2020	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	08/14/2020	ND	195	97.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	08/14/2020	ND	209	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/14/2020	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: B 2 (H002097-06)**

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	08/14/2020	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	08/14/2020	ND	2.04	102	2.00	4.71	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.88	98.0	6.00	5.31	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/14/2020	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	08/14/2020	ND	195	97.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	08/14/2020	ND	209	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/14/2020	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: B 3 (H002097-07)**

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	08/14/2020	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	08/14/2020	ND	2.04	102	2.00	4.71	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.88	98.0	6.00	5.31	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	08/14/2020	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	08/14/2020	ND	195	97.4	200	11.6	
DRO >C10-C28*	<10.0	10.0	08/14/2020	ND	209	104	200	4.36	
EXT DRO >C28-C36	<10.0	10.0	08/14/2020	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	08/12/2020	Sampling Date:	08/12/2020
Reported:	08/18/2020	Sampling Type:	Soil
Project Name:	TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	TRANSFER LINE	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

**Sample ID: B 4 (H002097-08)**

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	08/14/2020	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	08/14/2020	ND	2.04	102	2.00	4.71	
Ethylbenzene*	<0.050	0.050	08/14/2020	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	08/14/2020	ND	5.88	98.0	6.00	5.31	
Total BTEX	<0.300	0.300	08/14/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	08/14/2020	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	08/13/2020	ND	180	89.8	200	9.79	
DRO >C10-C28*	<10.0	10.0	08/13/2020	ND	177	88.6	200	9.21	
EXT DRO >C28-C36	<10.0	10.0	08/13/2020	ND					

Surrogate: 1-Chlorooctane 80.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.2 % 42.2-156

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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.
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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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: <i>APACKY</i>		P.O. #:		BILL TO		ANALYSIS REQUEST														
Project Manager: <i>Brendon Price</i>		Company: <i>Danward Bath</i>																		
Address:		Attn:																		
City: <i>Hobbs</i>		Address:																		
Phone #: <i>582110</i>		City:																		
Project #:		State:																		
Project Name: <i>Turner Battery Transfer Unit</i>		Zip:																		
Project Location:		Phone #:																		
Sampler Name: <i>Sssi Dussault</i>		Fax #:																		
FOR LAB USE ONLY																				
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						
<i>HE02097</i>	<i>1 W01</i>	<i>C</i>	<i>1</i>	<i>1</i>									<i>9/12</i>	<i>9:41</i>	<i>1</i>	<i>1</i>	<i>1</i>			
	<i>2 W02</i>	<i>C</i>	<i>1</i>	<i>1</i>										<i>9:43</i>	<i>1</i>	<i>1</i>	<i>1</i>			
	<i>3 W03</i>	<i>C</i>	<i>1</i>	<i>1</i>										<i>9:45</i>	<i>1</i>	<i>1</i>	<i>2</i>			
	<i>4 W04</i>	<i>C</i>	<i>1</i>	<i>1</i>										<i>9:47</i>	<i>1</i>	<i>1</i>	<i>1</i>			
	<i>5 B1</i>	<i>C</i>	<i>1</i>	<i>1</i>										<i>9:55</i>	<i>1</i>	<i>1</i>	<i>1</i>			
	<i>4 B2</i>	<i>C</i>	<i>1</i>	<i>1</i>										<i>9:57</i>	<i>1</i>	<i>1</i>	<i>1</i>			
	<i>7 B3</i>	<i>C</i>	<i>1</i>	<i>1</i>										<i>9:59</i>	<i>1</i>	<i>1</i>	<i>1</i>			
	<i>8 B4</i>	<i>C</i>	<i>1</i>	<i>1</i>										<i>10:03</i>	<i>1</i>	<i>1</i>	<i>1</i>			

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 analysis. 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: *Jose Alvarez* Date: *9/12/12* Time: *1:58*

Received By: *Medi Mendez*

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received By: \_\_\_\_\_

Delivered By: (Circle One) *3.6* Observed Temp. °C *3.6* Corrected Temp. °C \_\_\_\_\_

Sampler - UPS - Bus - Other: \_\_\_\_\_

Sample Condition:  Intact  Cool  Yes  No

Checked By: *[Signature]*

Turnaround Time: *Standard*  *Rush*  Thermometer ID #*97* #*113* Correction Factor *+0.4* *-0.12*

Bacteria (only)  Cool  Intact  Yes  No

Sample Condition  Observed Temp. °C  Corrected Temp. °C

REMARKS: *Email Results Brandon Price*

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_

All Results are emailed. Please provide Email address: \_\_\_\_\_

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



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**District II**  
 811 S. First St., Artesia, NM 88210  
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**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 10903

**CONDITIONS OF APPROVAL**

Operator: #1000 APACHE CORPORATION Midland, TX79705		303 Veterans Airpark Ln	OGRID: 873	Action Number: 10903	Action Type: C-141
OCD Reviewer ceads			Condition None		