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## DELINEATION/REMEDATION WORKPLAN

### OXY – RED TANK 27-28 CTB (Leak Date: 2/22/21)

**Incident ID: NAPP2105648807**

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAPP2105648807.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. Potentially other pertinent information as necessary for site specific purposes.

***Based on the information included in this package and the NMOCD rules, the following remediation is proposed:***

***OXY will excavate the spill area as depicted on the following site diagram. The leak area near SP1 and SP6 - SP8 (PURPLE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP2 and SP3 (DARK PINK shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP4 (LIGHT PINK shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP5 (GREEN shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP9 (TAN shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP10 and SP11 (TURQUOISE shade on diagram) will be excavated to a depth of 1 foot.***

***OXY requests a variance to collect bottom and sidewall confirmation samples every 300 square feet. The estimated amount of soil to be excavated is 1,176 cubic yards. The remediation will be completed within 90 days of approval.***

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2105648807
District RP	
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**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?	370 (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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-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.


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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: Wade Dittrich Title: Environmental Coordinator  
Signature:  Date: 5-19-21  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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## 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.

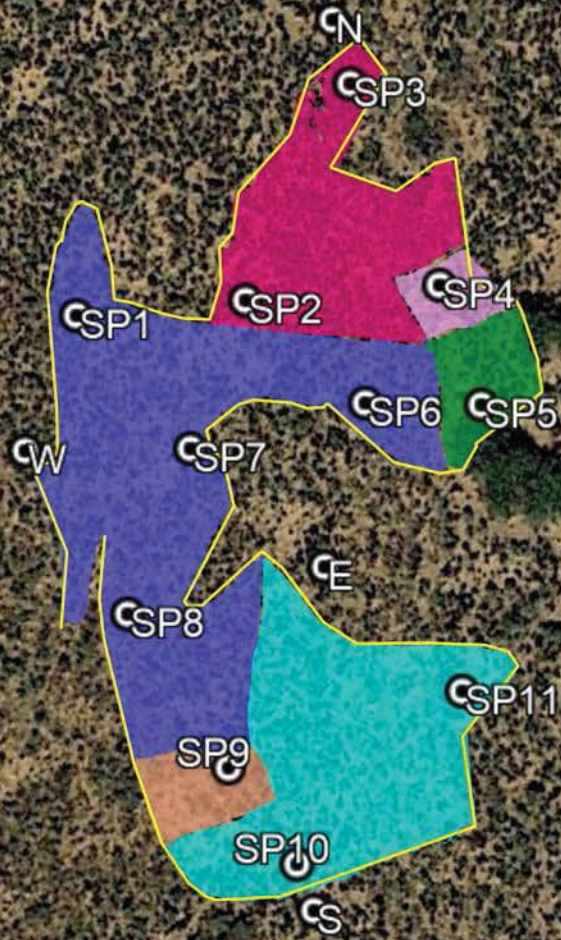
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: Wade Dittrich Title: Environmental CoordinatorSignature: Date: 5/19/21email: wade\_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**Received by: Chad Hensley Date: 07/08/2021☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Date: 07/08/2021

# Oxy Red Tank 27-28 CTB

Leak Date: 2-22-21  
Lea County, NM  
Incident ID: NAPP2105648807

- Legend**
- 1' EXCAVATION
  - 1' EXCAVATION - C
  - 1' EXCAVATION -B
  - 2' EXCAVATION
  - 3' EXCAVATION
  - 4' EXCAVATION
  - Leak Area
  - Sample Points



SAMPLE POINTS – RED TANK 27-28 CTB(2-22-21)

SP1 N 32.365403° W-103.670231°

SP2 N 32.365416° W-103.670066°

SP3 N 32.365594° W-103.669965°

SP4 N 32.365428° W-103.669878°

SP5 N 32.365330° W-103.669837°

SP6 N 32.365331° W-103.669950°

SP7 N 32.365294° W-103.670120°

SP8 N 32.365158° W-103.670181°

SP9 N 32.365032° W-103.670083°

SP10 N 32.364953° W-103.670016°

SP11 N 32.365095° W-103.669856°

SP N N32.365643° W-103.669986°

SP E N32.365184° W-103.669981°

SP W N32.365293° W-103.670274°

SP S N32.364915° W-103.670000°

Laboratory Analytical Results Summary  
OXY, RED TANK 27-28 CTB (2-22-21)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	4/16/21	4/16/21	4/16/21	4/16/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		80.0	208.0	160.0	128.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		22.4	28.9	28.9	<10.0
EXT DRO	TPH 8015M		<10.0	11.3	<10.0	10

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
Analyte	Method	Date	4/16/21	4/16/21	4/16/21	4/16/21	4/16/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.106	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.051	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.281	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		0.438	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		56000	2120	192.0	32	16
GRO	TPH 8015M		<100	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		7710	<10.0	44.2	N/A	N/A
EXT DRO	TPH 8015M		2640	<10.0	<10.0	N/A	N/A

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	4/16/21	4/16/21	4/16/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A
Chloride	SM4500Cl-B		39200	160.0	64
GRO	TPH 8015M		<50.0	<10.0	N/A
DRO	TPH 8015M		924	50.5	N/A
EXT DRO	TPH 8015M		335	11.2	N/A

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	4/16/21	4/16/21	4/16/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A
Toluene	BTEX 8021B		0.641	<0.050	N/A
Ethylbenzene	BTEX 8021B		0.811	<0.050	N/A
Total Xylenes	BTEX 8021B		4.91	<0.150	N/A
Total BTEX	BTEX 8021B		6.36	<0.300	N/A
Chloride	SM4500Cl-B		7440	80.0	32
GRO	TPH 8015M		156	<10.0	N/A
DRO	TPH 8015M		16300	63.7	N/A
EXT DRO	TPH 8015M		3840	14.6	N/A

Laboratory Analytical Results Summary  
OXY, RED TANK 27-28 CTB (2-22-21)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP @ 4'
Analyte	Method	Date	4/16/21	4/16/21	4/16/21	4/16/21	4/16/21	5/5/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		1.78	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		2.16	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		12.8	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		16.7	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		10000	1490	608	16	32	96.0
GRO	TPH 8015M		721	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		241	157	247	<10.0	N/A	N/A
EXT DRO	TPH 8015M		7100	27.9	44.2	<10.0	N/A	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	4/16/21	4/16/21	4/16/21	4/16/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.72	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		1.01	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		6.75	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		8.48	<0.300	N/A	N/A
Chloride	SM4500Cl-B		7600.0	1080	16.0	<16.0
GRO	TPH 8015M		379	<10.0	N/A	N/A
DRO	TPH 8015M		38100	114	N/A	N/A
EXT DRO	TPH 8015M		7660	<10.0	N/A	N/A

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	4/16/21	4/16/21	4/16/21	4/16/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		0.366	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		0.249	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		1.83	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		2.45	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		62400.0	944	128	80
GRO	TPH 8015M		<100	<10.0	<10.0	N/A
DRO	TPH 8015M		30300	97.2	<10.0	N/A
EXT DRO	TPH 8015M		7840	<10.0	<10.0	N/A

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'
Analyte	Method	Date	4/19/21	4/19/21	4/19/21	4/19/21	4/19/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.057	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.156	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		42000	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		10000	848	304	<16.0	32
GRO	TPH 8015M		<50.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		11400	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		2550	<10.0	<10.0	N/A	N/A

Laboratory Analytical Results Summary  
OXY, RED TANK 27-28 CTB (2-22-21)

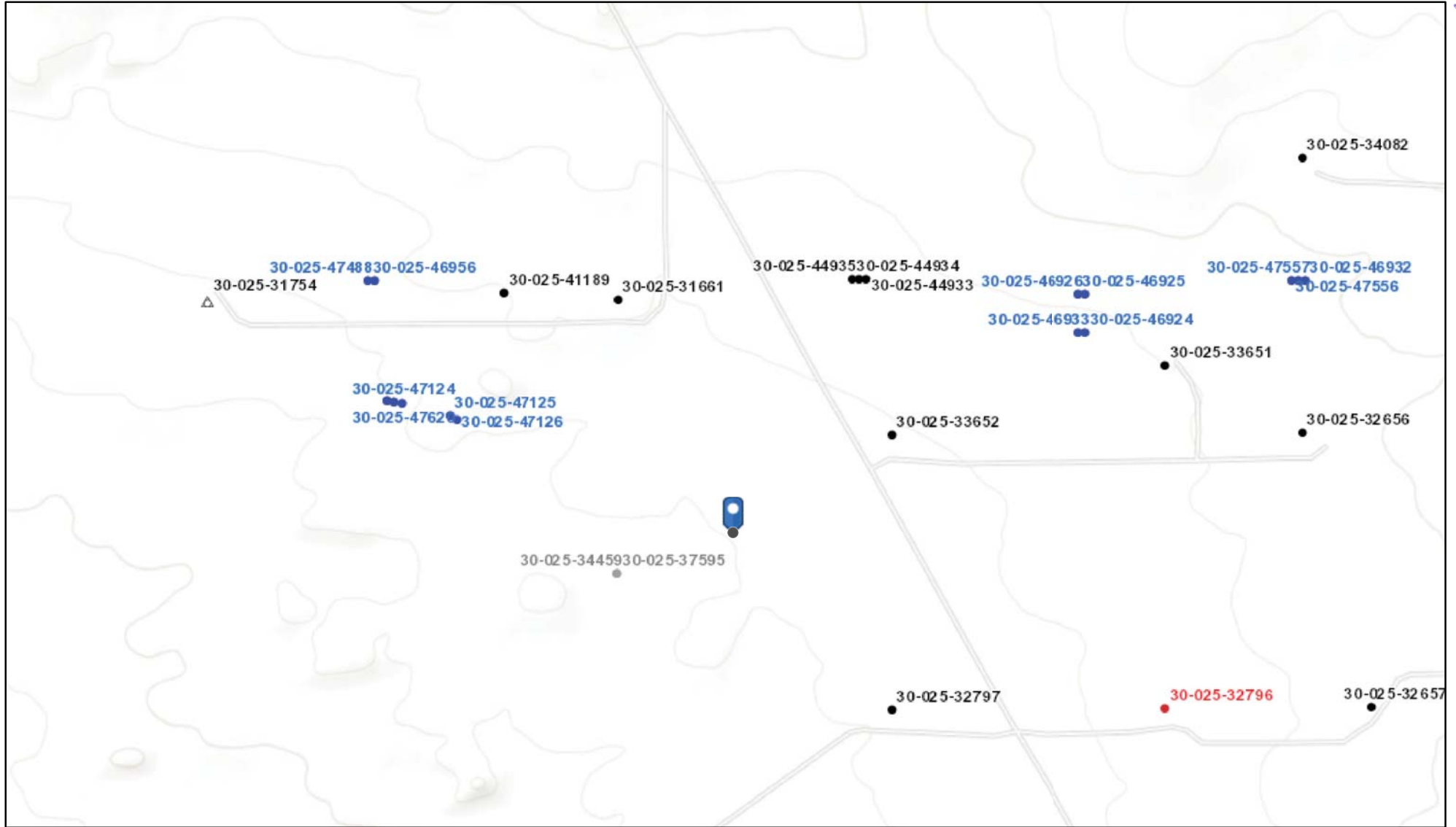
		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'
Analyte	Method	Date	4/19/21	4/19/21	4/19/21	4/19/21	4/19/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.069	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		0.121	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		1.15	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		1.34	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		6240	2320	352	16	32
GRO	TPH 8015M		218	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		20700	<10.0	<10.0	N/A	N/A
EXT DRO	TPH 8015M		3880	<10.0	<10.0	N/A	N/A

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'
Analyte	Method	Date	4/16/21	4/16/21	4/16/21	4/16/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		0.108	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		0.516	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		4.48	0.188	<0.150	N/A
Total BTEX	BTEX 8021B		5.11	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		20000	720	160	640
GRO	TPH 8015M		154	15.7	<10.0	N/A
DRO	TPH 8015M		13100	583	77	N/A
EXT DRO	TPH 8015M		2840	69.2	<10.0	N/A

		Sample ID	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'	SP10 @ 3'
Analyte	Method	Date	4/19/21	4/19/21	4/19/21	4/19/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		0.271	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		18000	144	128	192
GRO	TPH 8015M		16.7	<10.0	N/A	N/A
DRO	TPH 8015M		8520	<10.0	N/A	N/A
EXT DRO	TPH 8015M		1790	<10.0	N/A	N/A

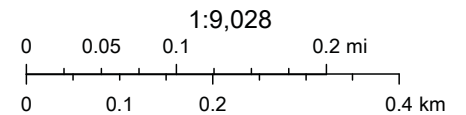
		Sample ID	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'
Analyte	Method	Date	4/19/21	4/19/21	4/19/21	4/19/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		0.997	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		3.83	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		24.8	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		29.7	<0.300	N/A	N/A
Chloride	SM4500Cl-B		7120	128	48	<16.0
GRO	TPH 8015M		916	<10.0	N/A	N/A
DRO	TPH 8015M		15800	90.1	N/A	N/A
EXT DRO	TPH 8015M		2670	<10.0	N/A	N/A

# Oxy - Red Tank 27 28 Fed CTB (2/22/2021) +3000ft H2O



3/23/2021 11:16:46 AM

Wells - Large Scale	CO2, Cancelled	Gas, Active	Gas, Temporarily Abandoned	Injection, Plugged
undefined	CO2, New	Gas, Cancelled	Injection, Active	
Miscellaneous	CO2, Plugged	Gas, New	Injection, Cancelled	
CO2, Active	CO2, Temporarily Abandoned	Gas, Plugged	Injection, New	



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., OCD

New Mexico Oil Conservation Division




NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

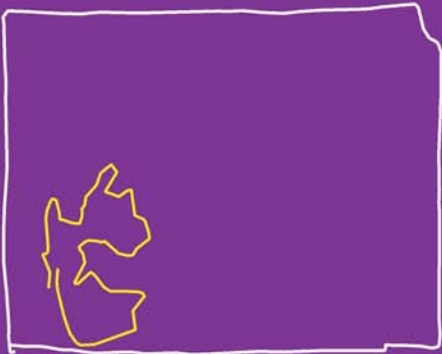
# Oxy - Red Tank 27 28 FED CTB

Leak Date: 2/22/2021  
Lea County NM  
Incident ID: NAPP2105648807  
API: 30-025-31661

## BLM CAVE KARST MAP

### Legend

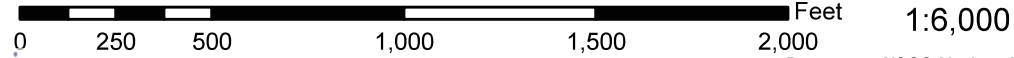
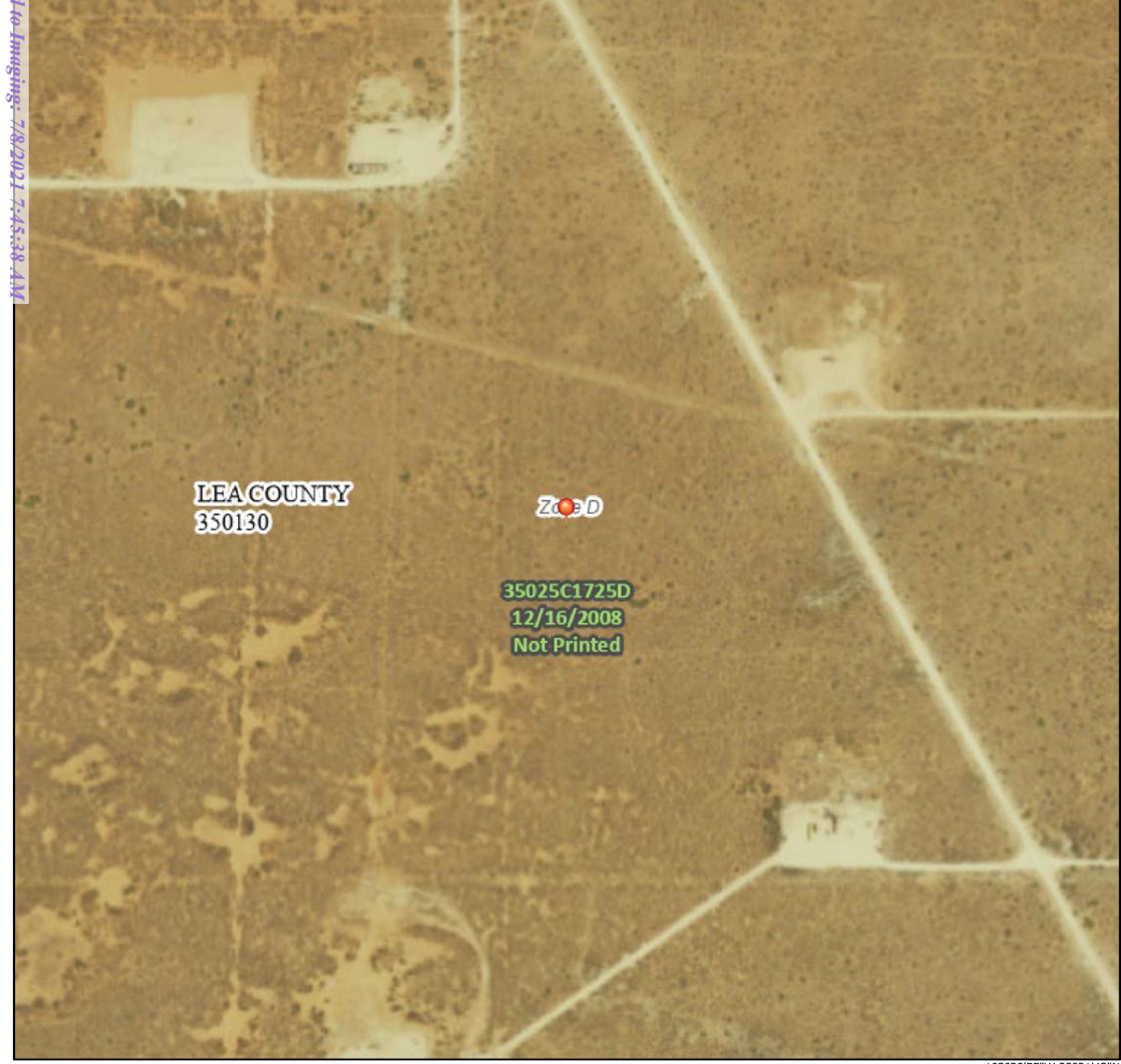
-  Leak Area
-  Location Pad
-  Low Potential



# National Flood Hazard Layer FIRMMette



103°40'32"W 32°22'12"N



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

103°39'55"W 32°21'42"N

### Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/23/2021 at 1:27 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Released to Imaging: 7/8/2021 7:45:38 AM

Received by OCD: 6/23/2021 6:46:23 PM

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USGS Water Resources

Data Category:  
Groundwater

Geographic Area:  
New Mexico

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Groundwater levels for New Mexico

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Agency code = usgs  
site\_no list =

- 322314103383601

Minimum number of levels = 1  
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USGS 322314103383601 22S.32E.14.32422

Lea County, New Mexico  
Latitude 32°23'14", Longitude 103°38'36" NAD27  
Land-surface elevation 3,740 feet above NAVD88  
The depth of the well is 380 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurer
1972-09-13			D 62610		3367.92	NGVD29	1		Z	
1972-09-13			D 62611		3369.60	NAVD88	1		Z	
1972-09-13			D 72019	370.40			1		Z	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined

Section	Code	Description
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for New Mexico: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>**



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2021-03-23 13:25:28 EDT

0.32 0.28 nadww01



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

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April 23, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 27 28 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/20/21 16:00.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	04/20/2021	Sampling Date:	04/16/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RED TANK 27 28 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 2-22-21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SP N (H211007-01)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 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	80.0	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	22.4	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.7 % 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:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP E (H211007-02)**

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	04/22/2021	ND	2.16	108	2.00	0.447		
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936		
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09		
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48		
Total BTX	<0.300	0.300	04/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	208	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	28.9	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	11.3	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.7 % 42.2-156

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP W (H211007-03)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTEx	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	160	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	28.9	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 89.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP S (H211007-04)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 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	128	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 1 @ SURFACE (H211007-05)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	0.106	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	0.051	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	0.281	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTEX	0.438	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 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	56000	16.0	04/23/2021	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*	<100	100	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	7710	100	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	2640	100	04/21/2021	ND					

Surrogate: 1-Chlorooctane 274 % 44.3-144

Surrogate: 1-Chlorooctadecane 577 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 1 @ 1' (H211007-06)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	2120	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 138 % 44.3-144

Surrogate: 1-Chlorooctadecane 136 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 1 @ 2' (H211007-07)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	44.2	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 139 % 44.3-144

Surrogate: 1-Chlorooctadecane 136 % 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:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	04/20/2021	Sampling Date:	04/16/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RED TANK 27 28 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 2-22-21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SP 1 @ 3' (H211007-08)**

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	04/23/2021	ND	432	108	400	0.00		

**Sample ID: SP 1 @ 4' (H211007-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/23/2021	ND	432	108	400	0.00		

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 2 @ SURFACE (H211007-10)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 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	39200	16.0	04/23/2021	ND	432	108	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	924	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	335	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 133 % 44.3-144

Surrogate: 1-Chlorooctadecane 164 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 2 @ 1' (H211007-11)**

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	04/22/2021	ND	2.16	108	2.00	0.447	
Toluene*	<0.050	0.050	04/22/2021	ND	2.12	106	2.00	0.936	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.13	106	2.00	2.09	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.17	103	6.00	1.48	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	160	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	50.5	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	11.2	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 130 % 44.3-144

Surrogate: 1-Chlorooctadecane 128 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 2 @ 2' (H211007-12)**

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	04/23/2021	ND	432	108	400	0.00		

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**Analytical Results For:**

BBC International, Inc.  
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 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 3 @ SURFACE (H211007-13)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<b>0.641</b>	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<b>0.811</b>	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<b>4.91</b>	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<b>6.36</b>	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 134 % 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	<b>7440</b>	16.0	04/23/2021	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*	<b>156</b>	50.0	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	<b>16300</b>	50.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	<b>3840</b>	50.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 146 % 44.3-144

Surrogate: 1-Chlorooctadecane 650 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 3 @ 1' (H211007-14)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/21/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/21/2021	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	80.0	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	63.7	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	14.6	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 136 % 44.3-144

Surrogate: 1-Chlorooctadecane 135 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 3 @ 2' (H211007-15)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	04/23/2021	ND	432	108	400	0.00	

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**Analytical Results For:**

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 Cliff Brunson  
 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 @ SURFACE (H211007-16)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
<b>Toluene*</b>	<b>1.78</b>	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
<b>Ethylbenzene*</b>	<b>2.16</b>	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
<b>Total Xylenes*</b>	<b>12.8</b>	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
<b>Total BTX</b>	<b>16.7</b>	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 207 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>10000</b>	16.0	04/23/2021	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>721</b>	50.0	04/21/2021	ND	229	114	200	4.26	
<b>DRO &gt;C10-C28*</b>	<b>39000</b>	50.0	04/21/2021	ND	251	125	200	5.43	
<b>EXT DRO &gt;C28-C36</b>	<b>7100</b>	50.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 203 % 44.3-144

Surrogate: 1-Chlorooctadecane 1370 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 @ 1' (H211007-17)**

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	04/21/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/21/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	157	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	27.9	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 141 % 44.3-144

Surrogate: 1-Chlorooctadecane 146 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 @ 2' (H211007-18)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/21/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/21/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.15	102	6.00	2.43	
Total BTEX	<0.300	0.300	04/21/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	04/23/2021	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	04/21/2021	ND	229	114	200	4.26	
DRO >C10-C28*	247	10.0	04/21/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	44.2	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 126 % 44.3-144

Surrogate: 1-Chlorooctadecane 137 % 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:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 @ 3' (H211007-19)**

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	04/21/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/21/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/23/2021	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	04/22/2021	ND	229	114	200	4.26	
DRO >C10-C28*	<10.0	10.0	04/22/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	<10.0	10.0	04/22/2021	ND					

Surrogate: 1-Chlorooctane 126 % 44.3-144

Surrogate: 1-Chlorooctadecane 127 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 4 @ 4' (H211007-20)****Chloride, SM4500CI-B****mg/kg****Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	04/23/2021	ND	416	104	400	0.00	

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 5 @ SURFACE (H211007-21)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<b>0.720</b>	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<b>1.01</b>	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<b>6.75</b>	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<b>8.48</b>	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 163 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>7600</b>	16.0	04/23/2021	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*	<b>379</b>	100	04/22/2021	ND	229	114	200	4.26	
DRO >C10-C28*	<b>38100</b>	100	04/22/2021	ND	251	125	200	5.43	
EXT DRO >C28-C36	<b>7660</b>	100	04/22/2021	ND					

Surrogate: 1-Chlorooctane 203 % 44.3-144

Surrogate: 1-Chlorooctadecane 1410 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 5 @ 1' (H211007-22)**

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	04/21/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/21/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/21/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/21/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1080	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	QR-03
DRO >C10-C28*	114	10.0	04/21/2021	ND	228	114	200	4.00	QR-03
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 5 @ 2' (H211007-23)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 5 @ 3' (H211007-24)****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	04/23/2021	ND	416	104	400	0.00	

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**Analytical Results For:**

BBC International, Inc.  
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 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 6 @ SURFACE (H211007-25)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	0.366	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	0.249	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	1.83	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTEX	2.45	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	62400	16.0	04/23/2021	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
				S-06					

Surrogate: 1-Chlorooctane		125 %	44.3-144							
Surrogate: 1-Chlorooctadecane		1530 %	42.2-156							

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 6 @ 1' (H211007-26)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTEX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	97.2	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 110 % 44.3-144

Surrogate: 1-Chlorooctadecane 117 % 42.2-156

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**Analytical Results For:**

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 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 6 @ 2' (H211007-27)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/22/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/16/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 6 @ 3' (H211007-28)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	04/23/2021	ND	416	104	400	0.00	

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 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 7 @ SURFACE (H211007-29)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	0.057	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	0.156	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTEx	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	42000	16.0	04/23/2021	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	04/22/2021	ND	226	113	200	1.46	
DRO >C10-C28*	11400	50.0	04/22/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	2550	50.0	04/22/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 678 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 7 @ 1' (H211007-30)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/22/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.3 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 7 @ 2' (H211007-31)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.3 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received:	04/20/2021	Sampling Date:	04/19/2021
Reported:	04/23/2021	Sampling Type:	Soil
Project Name:	RED TANK 27 28 CTB	Sampling Condition:	Cool & Intact
Project Number:	( 2-22-21 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

**Sample ID: SP 7 @ 3' (H211007-32)**

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	04/23/2021	ND	416	104	400	0.00		

**Sample ID: SP 7 @ 4' (H211007-33)**

Chloride, SM4500Cl-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	04/23/2021	ND	416	104	400	0.00	

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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 8 @ SURFACE (H211007-34)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	0.069	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	0.121	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	1.15	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	1.34	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	04/23/2021	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*	218	50.0	04/22/2021	ND	226	113	200	1.46	
DRO >C10-C28*	20700	50.0	04/22/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	3880	50.0	04/22/2021	ND					

Surrogate: 1-Chlorooctane 251 % 44.3-144

Surrogate: 1-Chlorooctadecane 1040 % 42.2-156

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**Analytical Results For:**

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 Cliff Brunson  
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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 8 @ 1' (H211007-35)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	04/23/2021	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	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.6 % 42.2-156

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 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 8 @ 2' (H211007-36)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<0.150	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/23/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.6 % 42.2-156

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**Analytical Results For:**

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 Cliff Brunson  
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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 8 @ 3' (H211007-37)**

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	04/23/2021	ND	400	100	400	3.92		

**Sample ID: SP 8 @ 4' (H211007-38)**

Chloride, SM4500Cl-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	04/23/2021	ND	400	100	400	3.92	

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 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 9 @ SURFACE (H211007-39)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<b>0.108</b>	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<b>0.516</b>	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
Total Xylenes*	<b>4.48</b>	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTX	<b>5.11</b>	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 157 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>20000</b>	16.0	04/23/2021	ND	400	100	400	3.92	

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*	<b>154</b>	50.0	04/22/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<b>13100</b>	50.0	04/22/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<b>2840</b>	50.0	04/22/2021	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 628 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 9 @ 1' (H211007-40)**

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	04/22/2021	ND	2.19	110	2.00	2.05	
Toluene*	<0.050	0.050	04/22/2021	ND	2.11	106	2.00	2.37	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	2.08	104	2.00	2.39	
<b>Total Xylenes*</b>	<b>0.188</b>	0.150	04/22/2021	ND	6.15	102	6.00	2.43	
Total BTEx	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	04/23/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.7	10.0	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	583	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	69.2	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 9 @ 2' (H211007-41)**

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	04/22/2021	ND	2.06	103	2.00	3.78		
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94		
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93		
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18		
Total BTEX	<0.300	0.300	04/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 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	160	16.0	04/23/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	77.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.7 % 42.2-156

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**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 9 @ 3' (H211007-42)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>640</b>	16.0	04/23/2021	ND	400	100	400	3.92	

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**Analytical Results For:**

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Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 10 @ SURFACE (H211007-43)**

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
<b>Total Xylenes*</b>	<b>0.271</b>	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTEX	<0.300	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	18000	16.0	04/23/2021	ND	400	100	400	3.92		

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*	16.7	10.0	04/22/2021	ND	226	113	200	1.46	
DRO >C10-C28*	8520	10.0	04/22/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	1790	10.0	04/22/2021	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 433 % 42.2-156

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**Analytical Results For:**

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Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 10 @ 1' (H211007-44)**

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	04/22/2021	ND	2.06	103	2.00	3.78		
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94		
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93		
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18		
Total BTEx	<0.300	0.300	04/22/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 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	144	16.0	04/23/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	<10.0	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.3 % 42.2-156

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**Analytical Results For:**

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 Cliff Brunson  
 P.O. Box 805  
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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 10 @ 2' (H211007-45)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/23/2021	ND	400	100	400	3.92		

**Sample ID: SP 10 @ 3' (H211007-46)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/23/2021	ND	400	100	400	3.92		

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Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 11 @ SURFACE (H211007-47)**

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	04/22/2021	ND	2.06	103	2.00	3.78	
Toluene*	0.997	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94	
Ethylbenzene*	3.83	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93	
Total Xylenes*	24.8	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18	
Total BTX	29.7	0.300	04/22/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 145 % 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	7120	16.0	04/23/2021	ND	400	100	400	3.92	

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*	916	50.0	04/22/2021	ND	226	113	200	1.46	
DRO >C10-C28*	15800	50.0	04/22/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	2670	50.0	04/22/2021	ND					

Surrogate: 1-Chlorooctane 346 % 44.3-144

Surrogate: 1-Chlorooctadecane 643 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 11 @ 1' (H211007-48)**

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	04/22/2021	ND	2.06	103	2.00	3.78		
Toluene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.94		
Ethylbenzene*	<0.050	0.050	04/22/2021	ND	1.95	97.4	2.00	4.93		
Total Xylenes*	<0.150	0.150	04/22/2021	ND	5.65	94.2	6.00	6.18		
Total BTEX	<0.300	0.300	04/22/2021	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	128	16.0	04/23/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2021	ND	226	113	200	1.46	
DRO >C10-C28*	90.1	10.0	04/21/2021	ND	228	114	200	4.00	
EXT DRO >C28-C36	<10.0	10.0	04/21/2021	ND					

Surrogate: 1-Chlorooctane 72.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.6 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 04/20/2021  
 Reported: 04/23/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

Sampling Date: 04/19/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP 11 @ 2' (H211007-49)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/23/2021	ND	400	100	400	3.92		

**Sample ID: SP 11 @ 3' (H211007-50)**

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	04/23/2021	ND	400	100	400	3.92	

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### 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.
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



## CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(505) 393-2326 FAX (505) 393-2476				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Company Name: BBC International, Inc.				P.O. #:																	
Project Manager: Cliff Brunson				Company:																	
Address: P.O. Box 805				Attn:																	
City: Hobbs		State: NM Zip: 88241		Address:																	
Phone #: 575-397-6388		Fax #: 575-397-0397		City:																	
Project #:		Project Owner: Oxy		State: Zip:																	
Project Name: RED TANK 27 28 CTB (2-22-21)				Phone #:																	
Project Location:				Fax #:																	
Sampler Name: SIMON RENDON																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING													
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :				DATE		TIME									
Ha11007																					
1 SP N																					
2 SP E																					
3 SP W																					
4 SP S																					
5 SP1 @ SURFACE																					
6 SP1 @ 1'																					
7 SP1 @ 2'																					
8 SP1 @ 3'																					
9 SP1 @ 4'																					
10 SP2 @ SURFACE																					
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Relinquished By:				Date: 4-20-21 Time: 8:00 AM				Received By:				Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Add'l Phone #:					
Relinquished By:				Date: 4-20-21 Time: 4:00 PM				Received By:				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Add'l Fax #:					
Delivered By: (Circle One)  Sampler - UPS - Bus - Other:				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				CHECKED BY: (Initials) 				REMARKS:									
4.8c #113																					

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# **CARDINAL LABORATORIES**

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## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> BBC International, Inc. <b>Project Manager:</b> Cliff Brunson <b>Address:</b> P.O. Box 805 <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88241 <b>Phone #:</b> 575-397-6388 <b>Fax #:</b> 575-397-0397 <b>Project #:</b> <b>Project Owner:</b> Oxy <b>Project Name:</b> RED TANK 27 28 CTB (2-22-21) <b>Project Location:</b> <b>Sampler Name:</b> SIMON RENDON		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>									
--	--	---	--	-------------------------	--	--	--	--	--	--	--	--	--

Sampler Name: SIMON RENDON	
FOR LAB USE ONLY	
Lab I.D.	Sample I.D.
H211007	
11	SP2 @ 1'
12	SP2 @ 2'
13	SP3 @ SURFACE
14	SP3 @ 1'
15	SP3 @ 2'
16	SP4 @ SURFACE
17	SP4 @ 1'
18	SP4 @ 2'
19	SP4 @ 3'
20	SP4 @ 4'
(G)RAB OR (C)OMP.	# CONTAINERS
GROUNDWATER	
WASTEWATER	
SOIL	
OIL	
SLUDGE	
OTHER :	
ACID/BASE:	
ICE / COOL	
OTHER :	
DATE	TIME
4-16-21	11:36
4-16-21	11:50
4-16-21	12:44
4-16-21	12:55
4-16-21	1:12
4-16-21	1:24
4-16-21	1:35
4-16-21	1:44
4-16-21	1:56
4-16-21	2:08
TPH & 4+	
BTEX	
CL	

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<b>Relinquished By:</b>  <b>Date:</b> 4-20-21 <b>Time:</b> 8:00 PM	<b>Received By:</b>  <b>Date:</b> 4-20-21 <b>Time:</b> 4:00 PM	<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b> <b>REMARKS:</b>
<b>Relinquished By:</b>  <b>Date:</b> 4-20-21 <b>Time:</b> 4:00 PM	<b>Received By:</b>  <b>Date:</b> 4-20-21 <b>Time:</b> 4:00 PM	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other: 4.8c #113		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other: 4.8c #113		<b>CHECKED BY:</b> (Initials) 40

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Mainway (505) 393-2326 FAX (505) 393-2476										BILL TO										ANALYSIS REQUEST									
Company Name: BBC International, Inc.										P.O. #:																			
Project Manager: Cliff Brunson										Company:																			
Address: P.O. Box 805										Attn:																			
City: Hobbs State: NM Zip: 88241										Address:																			
Phone #: 575-397-6388 Fax #: 575-397-0397										City:																			
Project #: Project Owner: Oxy										State: Zip:																			
Project Name: RED TANK 27 28 CTB (2-22-21)										Phone #:																			
Project Location:										Fax #:																			
Sampler Name: SIMON RENDON																													
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																	
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME																	
H211007				S						✓		4-19-21 9:24		TPH EXH															
31 SP7 @ 2'				S						✓		4-19-21 9:24		BTEX															
32 SP7 @ 3'				S						✓		4-19-21 9:37		CL															
33 SP7 @ 4'				S						✓		4-19-21 9:46																	
34 SP8 @ SURFACE				S						✓		4-19-21 9:54																	
35 SP8 @ 1'				S						✓		4-19-21 10:10																	
36 SP8 @ 2'				S						✓		4-19-21 10:24																	
37 SP8 @ 3'				S						✓		4-19-21 10:37																	
38 SP8 @ 4'				S						✓		4-19-21 10:50																	
39 SP 9 @ SURFACE				S						✓		4-19-21 11:12																	
40 SP9 @ 1'				S						✓		4-19-21 11:23																	

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Relinquished By: <i>Simon Kender</i> Date: <i>4-20-21</i> Time: <i>8:00 AM</i>		Received By: <i>Israel Pena</i> Date: <i>4-20-21</i> Time: <i>4:00 PM</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Add'l Fax #: REMARKS:	
Relinquished By: <i>Israel Pena</i> Date: <i>4-20-21</i> Time: <i>4:00 PM</i>		Received By: <i>Simon Kender</i> Date: <i>4-20-21</i> Time: <i>4:00 PM</i>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) <i>T.O.</i>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>4.8°C #113</i>					

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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---

May 06, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: RED TANK 27 28 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/05/21 13:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

BBC International, Inc.  
 Cliff Brunson  
 P.O. Box 805  
 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 05/05/2021  
 Reported: 05/06/2021  
 Project Name: RED TANK 27 28 CTB  
 Project Number: ( 2-22-21 )  
 Project Location: OXY

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

**Sample ID: SP 9 @ 4' (H211158-01)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	05/06/2021	ND	416	104	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

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

---

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\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager

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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**

CONDITIONS  
  
Action 30447

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 30447
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/8/2021