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## **DELINEATION/REMEDATION WORKPLAN**

### **OXY – SUNDANCE WATER TRANSFER CTB**

**(Leak Date: 2/18/21)**

**Incident ID: NAPP2105646400**

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAPP2105646400.

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 SP7 (YELLOW shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP2 – SP3, SP5 – SP6, SP8, SP11, SP13, and SP15 (LIGHT BLUE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP4 (PURPLE shade on diagram) will be excavated to a depth of 4 feet. The leak area near SP9, SP10, and SP12 (GREEN shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP14 (RED shade on diagram) will be excavated to a depth of 4 feet.***

***OXY requests a variance to collect bottom and sidewall confirmation samples every 400 square feet. The estimated amount of soil to be excavated is 1,139 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.

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State of New Mexico  
Oil Conservation Division

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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?	437.47 (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 DittrichTitle: Environmental CoordinatorSignature: Date: 5-16-21email: wade\_dittrich@oxy.comTelephone: (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 Coordinator  
Signature:  Date: 5-16-21  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

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

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



# Oxy Sundance Water Transfer CTB

Leak Date: 2-18-21  
Eddy County, NM  
Incident ID: NAPP2105646400

## Legend

- 1' EXCAVATION
- 2' EXCAVATION
- 3' EXCAVATION
- 3' EXCAVATION - B
- 4' Excavation
- 4' EXCAVATION
- Leak Date
- Sample Points



Google Earth



SAMPLE POINTS – SUNDANCE WTR TRANSFER CTB(2-18-21)

SP1 – N 32.247838° W-103.790812°

SP2 N 32.247958° W -103.790829°

SP3 N 32.248070° W-103.790830°

SP4 N 32.247959° W-103.790755°

SP5 N 32.247864° W-103.790641°

SP6 N 32.247961° W-103.790674°

SP7 N 32.248094° W-103.790674°

SP8 N 32.247951° W-103.790572°

SP9 N 32.248140° W-103.790515°

SP10 N 32.248181° W-103.790535°

SP11 N 32.248311° W-103.790531°

SP12 N 32.248213° W-103.790633°

SP13 N 32.248178° W-103.790735°

SP14 N 32.248322° W-103.790760°

SP15 N 32.248334° W-103.790931°

SP N N 32.248367° W-103.790664°

SP E N 32.248099° W-103.790490°

SP W N 32.248102° W-103.790852°

SP S N 32.247807° W-103.790726°

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	3/25/21	3/25/21	3/25/21	3/25/21
			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	<b>0.054</b>
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<b>0.051</b>
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<b>0.271</b>
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<b>0.376</b>
Chloride	SM4500Cl-B		<b>16.0</b>	<b>32.0</b>	<b>&lt;16.0</b>	<b>32</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0

		Sample ID	SP1 @ Surface	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'	SP1 @ 5'
Analyte	Method	Date	3/25/21	3/25/21	3/25/21	3/25/21	3/25/21	3/25/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.100	<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<b>3.28</b>	<b>0.167</b>	<b>0.054</b>	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<b>5.04</b>	<b>0.151</b>	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<b>22.3</b>	<b>0.689</b>	<b>0.733</b>	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<b>30.6</b>	<b>1.01</b>	<b>0.787</b>	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<b>19600</b>	<b>7730</b>	<b>9460</b>	<b>256</b>	<16.0	<16.0
GRO	TPH 8015M		<b>733</b>	<b>24.2</b>	<b>35.5</b>	<10.0	<10.0	n/a
DRO	TPH 8015M		<b>31000</b>	<b>1270</b>	<b>1170</b>	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<b>7170</b>	<b>413</b>	<b>333</b>	<10.0	<10.0	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'	SP2 @ 5'
Analyte	Method	Date	3/25/21	3/25/21	3/25/21	3/25/21	3/25/21	3/25/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<b>0.478</b>	<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<b>5.98</b>	<0.050	<0.051	<0.051	<0.050	n/a
Ethylbenzene	BTEX 8021B		<b>4.84</b>	<0.050	<0.052	<0.052	<0.050	n/a
Total Xylenes	BTEX 8021B		<b>20.2</b>	<b>0.367</b>	<0.150	<0.150	0.236	n/a
Total BTEX	BTEX 8021B		<b>31.5</b>	<b>0.367</b>	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<b>528</b>	<b>176.0</b>	<b>240.0</b>	<b>272.0</b>	<b>48.0</b>	<b>16.0</b>
GRO	TPH 8015M		<b>679</b>	<b>11.9</b>	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		<b>34900</b>	<b>416</b>	<b>125</b>	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<b>10300</b>	<b>143</b>	<b>43.7</b>	<10.0	<10.0	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'
Analyte	Method	Date	3/25/21	3/25/21	3/25/21	3/25/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<b>0.1</b>	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<b>2.13</b>	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<b>3.39</b>	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<b>14.7</b>	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<b>20.3</b>	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		<b>19000</b>	<b>1060</b>	<b>448</b>	<b>32</b>
GRO	TPH 8015M		<b>288</b>	<10.0	<10.0	n/a
DRO	TPH 8015M		<b>12800</b>	<b>52.6</b>	<10.0	n/a
EXT DRO	TPH 8015M		<b>3470</b>	<b>23</b>	<10.0	n/a

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
Analyte	Method	Date	3/25/21	3/25/21	3/25/21	3/25/21	3/25/21	3/25/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.739	<0.050	<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		8.92	<0.050	<0.050	<0.050	<b>0.123</b>	N/A
Ethylbenzene	BTEX 8021B		11.6	<0.050	<0.050	<0.050	<b>0.122</b>	N/A
Total Xylenes	BTEX 8021B		48.9	<0.150	<0.150	<0.150	<b>0.667</b>	N/A
Total BTEX	BTEX 8021B		70.1	<0.300	<0.300	<0.300	<b>0.917</b>	N/A
Chloride	SM4500Cl-B		<b>18400</b>	<b>6130</b>	<b>9460</b>	<b>480</b>	<b>32</b>	<16.0
GRO	TPH 8015M		1680	<10.0	<10.0	n/a	<b>11.9</b>	N/A
DRO	TPH 8015M		<b>21900</b>	<b>64.1</b>	<b>98</b>	<b>153</b>	<b>15.3</b>	N/A
EXT DRO	TPH 8015M		<b>4450</b>	<b>53</b>	<b>7.8.2</b>	<b>46.3</b>	<10.0	N/A

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	3/25/21	3/25/21	3/25/21	3/25/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	N/A
Toluene	BTEX 8021B		<b>9.56</b>	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<b>10.7</b>	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<b>45.7</b>	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<b>66</b>	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		<b>28400</b>	<b>224.0</b>	<b>96.0</b>	16
GRO	TPH 8015M		<b>1780</b>	<10.0	<10.0	N/A
DRO	TPH 8015M		<b>35500</b>	<b>82.5</b>	30.3	N/A
EXT DRO	TPH 8015M		<b>7830</b>	<b>54.4</b>	13.1	N/A

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<b>64000</b>	<b>240</b>	<b>288</b>
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<b>13.5</b>	<b>233</b>	<10.0
EXT DRO	TPH 8015M		<10.0	<b>157</b>	<10.0

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'	SP7 @ 4'	SP7 @ 5'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<b>0.068</b>	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		<b>2.38</b>	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		<b>2.27</b>	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		<b>9.49</b>	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		<b>14.2</b>	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		<b>20400</b>	<b>9330</b>	<b>4000</b>	<b>448</b>	<b>16</b>	<16.0
GRO	TPH 8015M		<b>334</b>	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		<b>35100</b>	<b>102</b>	<10.0	13.8	N/A	N/A
EXT DRO	TPH 8015M		<b>9940</b>	<b>57.2</b>	<10.0	<10.0	N/A	N/A



		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'	SP8 @ 3'	SP8 @ 4'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		0.068	<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		0.083	<0.050	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		0.443	<0.150	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		0.594	<0.300	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		6930	272	256	16	32
GRO	TPH 8015M		<50.0	<10.0	<10.0	<10.0	N/A
DRO	TPH 8015M		10800	158	12.6	<10.0	N/A
EXT DRO	TPH 8015M		3060	59.6	<10.0	<10.0	N/A

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		0.089	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		0.532	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		0.621	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		32800	176	160	32.0
GRO	TPH 8015M		<100	<10.0	<10.0	n/a
DRO	TPH 8015M		10500	71	18.2	n/a
EXT DRO	TPH 8015M		3090	31.7	<10.0	n/a

		Sample ID	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.468	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.38	<0.050	<0.050
Total Xylenes	BTEX 8021B		6.97	<0.150	<0.150
Total BTEX	BTEX 8021B		8.82	<0.300	<0.300
Chloride	SM4500Cl-B		2080	32	48
GRO	TPH 8015M		305	<10.0	<10.0
DRO	TPH 8015M		24300	87.9	<10.0
EXT DRO	TPH 8015M		7380	23.8	<10.0

		Sample ID	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'	SP11 @ 3'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		0.209	<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		0.352	<0.050	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		2	<0.150	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		2.56	<0.300	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		32400	400	496	64	48
GRO	TPH 8015M		133	<10.0	<10.0	n/a	N/A
DRO	TPH 8015M		23900	364	90.3	16.5	N/A
EXT DRO	TPH 8015M		8220	196	28.4	15.4	N/A

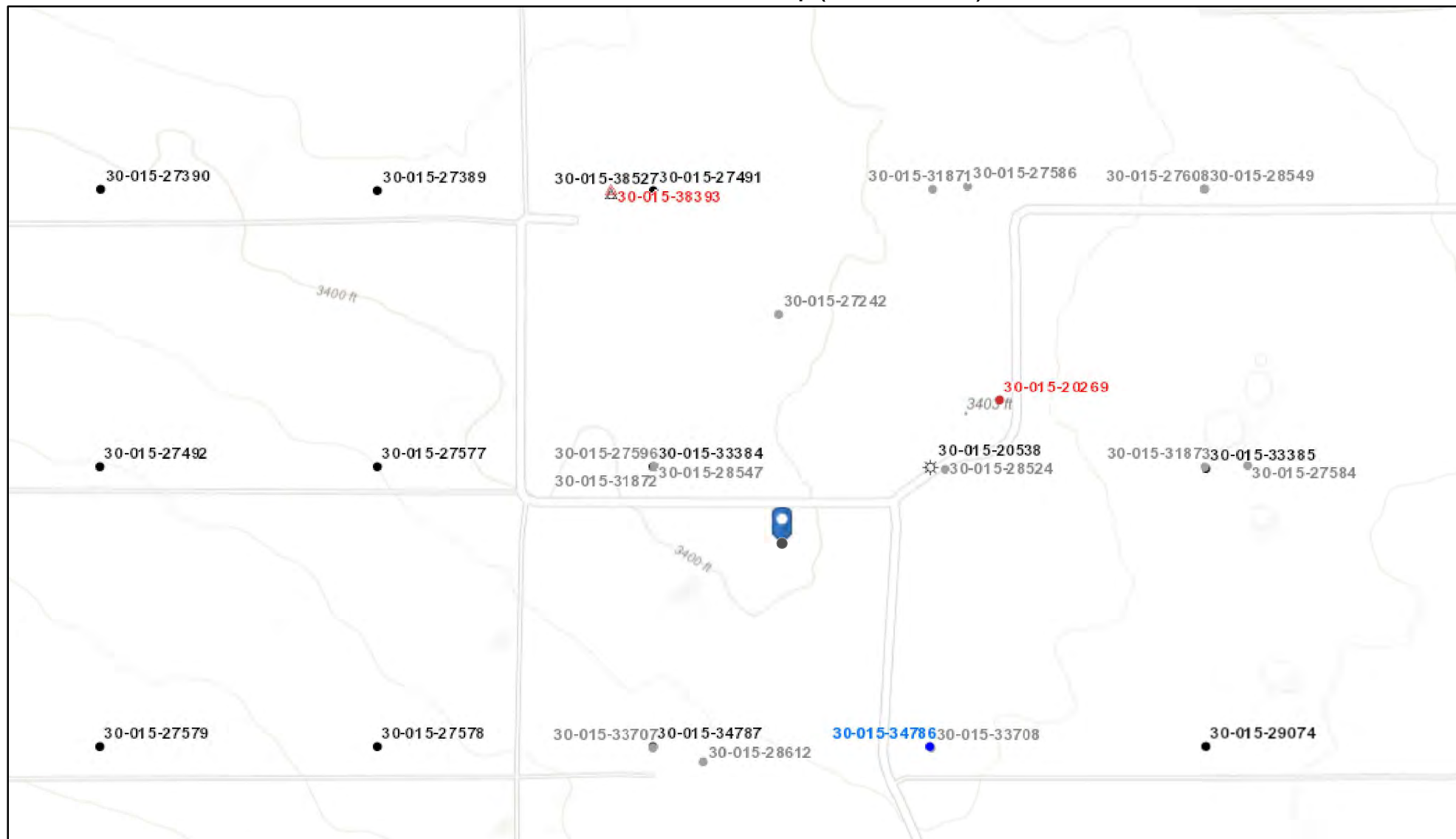
		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'	SP12 @ 3'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.072	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.096	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.567	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		0.735	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		2600	160	128	32
GRO	TPH 8015M		<100	<10.0	<10.0	<10.0
DRO	TPH 8015M		24800	64.7	177	28.7
EXT DRO	TPH 8015M		8340	22.1	91.8	25.6

		Sample ID	SP13 @ Surface	SP13 @ 1'	SP13 @ 2'	SP13 @ 3'	SP13 @ 4'
Analyte	Method	Date	3/30/21	3/30/21	3/30/21	3/30/21	3/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a
Toluene	BTEX 8021B		0.183	<0.050	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		0.657	<0.050	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		4.05	<0.150	n/a	n/a	n/a
Total BTEX	BTEX 8021B		4.89	<0.300	n/a	n/a	n/a
Chloride	SM4500Cl-B		10800	640	128	48	32
GRO	TPH 8015M		302	<10.0	n/a	<10.0	n/a
DRO	TPH 8015M		30200	19.1	10.2	<10.0	n/a
EXT DRO	TPH 8015M		8730	<10.0	n/a	<10.0	n/a

		Sample ID	SP14 @ Surface	SP14 @ 1'	SP14 @ 2'	SP14 @ 3'	SP14 @ 4'	SP14 @ 5'
Analyte	Method	Date	3/30/21	3/30/21	3/30/21	3/30/21	3/30/21	3/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		0.269	<0.150	<0.150	0.223	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	n/a	<0.300	32
Chloride	SM4500Cl-B		80	32.0	3520	80	32	N/A
GRO	TPH 8015M		23	<10.0	<10.0	21.9	<10.0	N/A
DRO	TPH 8015M		2620	38.8	<10.0	2680	32.5	N/A
EXT DRO	TPH 8015M		768	38	<10.0	792	34	

		Sample ID	SP15 @ Surface	SP15 @ 1'	SP15 @ 2'	SP15 @ 3'	SP15 @ 4'
Analyte	Method	Date	3/30/21	3/30/21	3/30/21	3/30/21	3/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		42400	2800	96	96	144
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	N/A
DRO	TPH 8015M		22.2	<10.0	212	<10.0	N/A
EXT DRO	TPH 8015M		10.7	<10.0	72.5	<10.0	N/A

# OXY Sundance WTR Transfer Pump(2/18/2021) +3000 ft H2O



3/23/2021 9:02:42 AM

Wells - Large Scale

undefined

Miscellaneous

CO2, Active

CO2, Cancelled

CO2, New

CO2, Plugged

CO2, Temporarily Abandoned

Gas, Active

Gas, Cancelled

Gas, New

Gas, Plugged

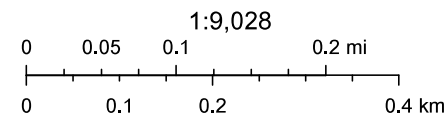
Gas, Temporarily Abandoned

Injection, Active

Injection, Cancelled

Injection, New

Injection, Plugged



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





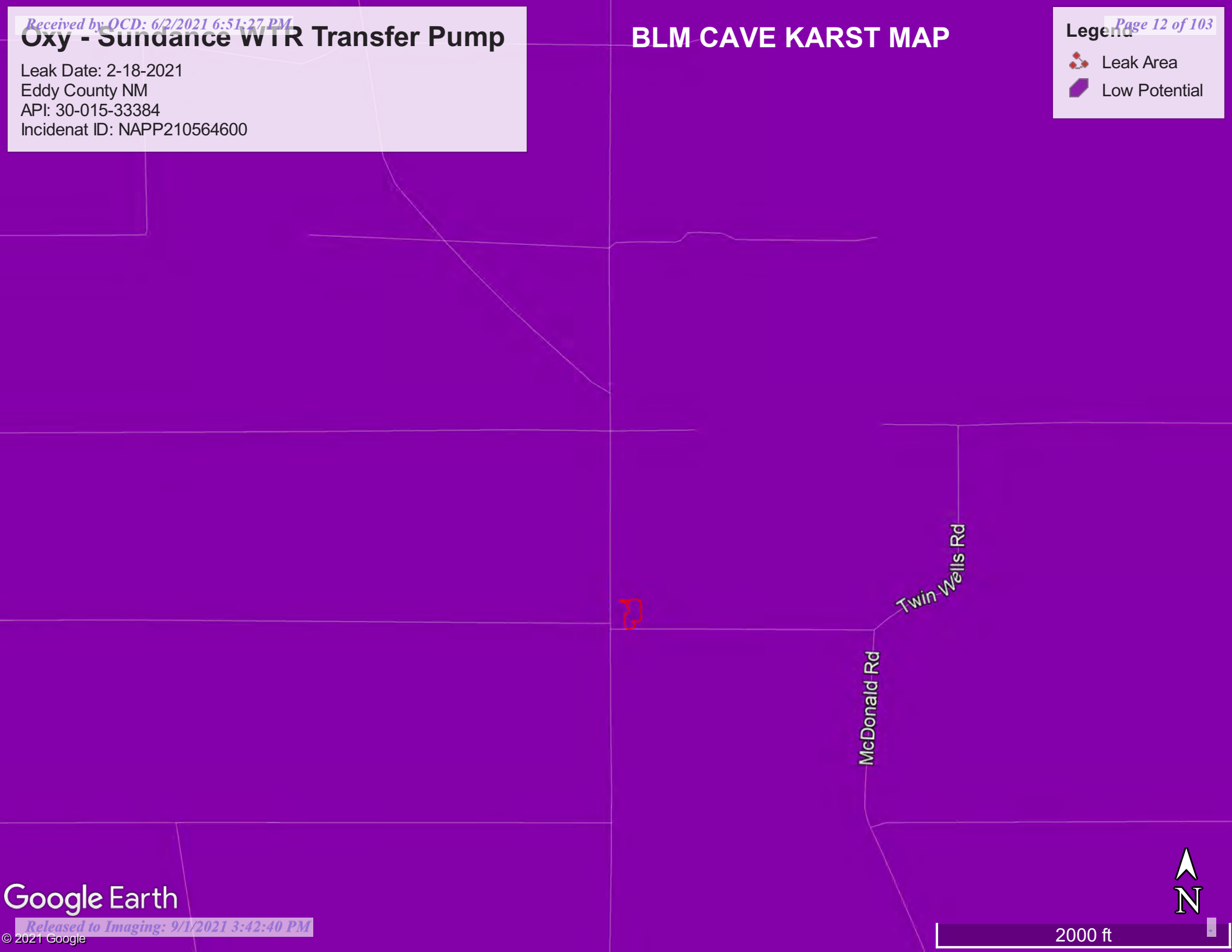
# Oxy - Sundance WTR Transfer Pump

Leak Date: 2-18-2021  
Eddy County NM  
API: 30-015-33384  
Incident ID: NAPP210564600

# BLM CAVE KARST MAP

## Legend

-  Leak Area
-  Low Potential



## National Flood Hazard Layer FIRMette



103°47'28"W 32°15'4"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

103°46'51"W 32°14'34"N

Released to Imaging: 9/1/2021 3:42:40 PM

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

## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		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 Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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 **4/22/2021 at 12:00 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.



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Geographic Area:  
New Mexico

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- Full News

Groundwater levels for New Mexico

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\* IMPORTANT: Next Generation Station Page

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Agency code = usgs  
site\_no list =

- 321421103464901

Minimum number of levels = 1  
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USGS 321421103464901 24S.31E.04.433422

Eddy County, New Mexico  
Latitude 32°14'23.7", Longitude 103°46'47.8" NAD83  
Land-surface elevation 3,419.00 feet above NGVD29  
The depth of the well is 627 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Rustler Formation (312RSLR) 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 o measure
1959-03-13			D	62610	2994.40	NGVD29	1		Z	
1959-03-13			D	62611	2996.11	NAVD88	1		Z	
1959-03-13			D	72019	424.60		1		Z	
2013-01-17	00:30 UTC		m	62610	2981.53	NGVD29	3		S	USGS
2013-01-17	00:30 UTC		m	62611	2983.24	NAVD88	3		S	USGS
2013-01-17	00:30 UTC		m	72019	437.47		3		S	USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
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



Section	Code	Description
Status	1	Static
Status	3	Above
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
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 11:16:54 EDT

0.36 0.31 nadww01



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

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April 06, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SUNDANCE FED CTB

Enclosed are the results of analyses for samples received by the laboratory on 03/31/21 16:45.

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, 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: NORTH @ SURFACE (H210811-01)**

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	04/02/2021	ND	2.22	111	2.00	2.55	
Toluene*	<0.050	0.050	04/02/2021	ND	2.12	106	2.00	2.41	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	2.82	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.25	104	6.00	2.67	
Total BTEX	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	16.0	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.2 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: EAST @ SURFACE (H210811-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2021	ND	2.22	111	2.00	2.55		
Toluene*	<0.050	0.050	04/02/2021	ND	2.12	106	2.00	2.41		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	2.82		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.25	104	6.00	2.67		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 92.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.4 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: WEST @ SURFACE (H210811-03)**

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	04/02/2021	ND	2.22	111	2.00	2.55		
Toluene*	<0.050	0.050	04/02/2021	ND	2.12	106	2.00	2.41		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	2.82		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.25	104	6.00	2.67		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	16.0	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.1 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SOUTH @ SURFACE (H210811-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2021	ND	2.22	111	2.00	2.55	
Toluene*	0.054	0.050	04/02/2021	ND	2.12	106	2.00	2.41	
Ethylbenzene*	0.051	0.050	04/02/2021	ND	2.10	105	2.00	2.82	
Total Xylenes*	0.271	0.150	04/02/2021	ND	6.25	104	6.00	2.67	
Total BTEX	0.376	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 1 SURFACE (H210811-05)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	04/05/2021	ND	2.22	111	2.00	2.55	
Toluene*	3.28	0.100	04/05/2021	ND	2.12	106	2.00	2.41	
Ethylbenzene*	5.04	0.100	04/05/2021	ND	2.10	105	2.00	2.82	
Total Xylenes*	22.3	0.300	04/05/2021	ND	6.25	104	6.00	2.67	
Total BTX	30.6	0.600	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 199 % 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	19600	16.0	04/05/2021	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*	733	50.0	04/02/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	31000	50.0	04/02/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	7170	50.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 259 % 44.3-144

Surrogate: 1-Chlorooctadecane 938 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 1 1' (H210811-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2021	ND	2.22	111	2.00	2.55	
Toluene*	0.167	0.050	04/02/2021	ND	2.12	106	2.00	2.41	
Ethylbenzene*	0.151	0.050	04/02/2021	ND	2.10	105	2.00	2.82	
Total Xylenes*	0.689	0.150	04/02/2021	ND	6.25	104	6.00	2.67	
Total BTEX	1.01	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	7730	16.0	04/05/2021	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*	24.2	10.0	04/05/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	1270	10.0	04/05/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	413	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 110 % 42.2-156

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**Analytical Results For:**

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 1 2' (H210811-07)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2021	ND	2.22	111	2.00	2.55		
Toluene*	0.054	0.050	04/02/2021	ND	2.12	106	2.00	2.41		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	2.82		
Total Xylenes*	0.733	0.150	04/02/2021	ND	6.25	104	6.00	2.67		
Total BTEX	0.787	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	9460	16.0	04/05/2021	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*	35.5	10.0	04/05/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	1170	10.0	04/05/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	333	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 1 3' (H210811-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2021	ND	2.22	111	2.00	2.55		
Toluene*	<0.050	0.050	04/02/2021	ND	2.12	106	2.00	2.41		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	2.82		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.25	104	6.00	2.67		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	256	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

BBC International, Inc.  
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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 1 4' (H210811-09)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2021	ND	2.22	111	2.00	2.55		
Toluene*	<0.050	0.050	04/02/2021	ND	2.12	106	2.00	2.41		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	2.82		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.25	104	6.00	2.67		
Total BTEX	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	<16.0	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.9 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 1 5' (H210811-10)**

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	04/05/2021	ND	416	104	400	0.00		

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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 2 SURFACE (H210811-11)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.478</b>	0.100	04/05/2021	ND	2.22	111	2.00	2.55	GC-NC1
<b>Toluene*</b>	<b>5.98</b>	0.100	04/05/2021	ND	2.12	106	2.00	2.41	
<b>Ethylbenzene*</b>	<b>4.84</b>	0.100	04/05/2021	ND	2.10	105	2.00	2.82	
<b>Total Xylenes*</b>	<b>20.2</b>	0.300	04/05/2021	ND	6.25	104	6.00	2.67	
<b>Total BTX</b>	<b>31.5</b>	0.600	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 191 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>528</b>	16.0	04/05/2021	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
<b>GRO C6-C10*</b>	<b>679</b>	100	04/02/2021	ND	196	97.8	200	0.630	
<b>DRO &gt;C10-C28*</b>	<b>34900</b>	100	04/02/2021	ND	200	99.8	200	2.73	
<b>EXT DRO &gt;C28-C36</b>	<b>10300</b>	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 159 % 44.3-144

Surrogate: 1-Chlorooctadecane 1100 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 2 1' (H210811-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2021	ND	2.22	111	2.00	2.55	
Toluene*	<0.050	0.050	04/02/2021	ND	2.12	106	2.00	2.41	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	2.82	
Total Xylenes*	0.367	0.150	04/02/2021	ND	6.25	104	6.00	2.67	
Total BTEX	0.367	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	176	16.0	04/05/2021	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*	11.9	10.0	04/02/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	416	10.0	04/02/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	143	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.1 % 42.2-156

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 2 2' (H210811-13)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	240	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	125	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	43.7	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.9 % 42.2-156

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\*=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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 2 3' (H210811-14)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	272	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.6 % 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  
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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 2 4' (H210811-15)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	0.236	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTX	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.8 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 2 5' (H210811-16)**

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	04/05/2021	ND	416	104	400	0.00	

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**Analytical Results For:**

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Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 3 SURFACE (H210811-17)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.100</b>	0.050	04/05/2021	ND	2.24	112	2.00	0.102	GC-NC1
<b>Toluene*</b>	<b>2.13</b>	0.050	04/05/2021	ND	2.14	107	2.00	0.261	
<b>Ethylbenzene*</b>	<b>3.39</b>	0.050	04/05/2021	ND	2.13	107	2.00	0.0743	
<b>Total Xylenes*</b>	<b>14.7</b>	0.150	04/05/2021	ND	6.33	106	6.00	0.191	
<b>Total BTX</b>	<b>20.3</b>	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 271 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>19000</b>	16.0	04/05/2021	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
<b>GRO C6-C10*</b>	<b>288</b>	50.0	04/02/2021	ND	196	97.8	200	0.630	
<b>DRO &gt;C10-C28*</b>	<b>12800</b>	50.0	04/02/2021	ND	200	99.8	200	2.73	
<b>EXT DRO &gt;C28-C36</b>	<b>3470</b>	50.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 402 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 3 1' (H210811-18)**

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	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1060	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	52.6	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	23.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.8 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 3 2' (H210811-19)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	448	16.0	04/05/2021	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	04/01/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.2 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 3 3' (H210811-20)**

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	04/05/2021	ND	416	104	400	0.00	

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**Analytical Results For:**

BBC International, Inc.  
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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 4 SURFACE (H210811-21)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.739</b>	0.200	04/02/2021	ND	2.24	112	2.00	0.102	GC-NC1
<b>Toluene*</b>	<b>8.92</b>	0.200	04/02/2021	ND	2.14	107	2.00	0.261	
<b>Ethylbenzene*</b>	<b>11.6</b>	0.200	04/02/2021	ND	2.13	107	2.00	0.0743	
<b>Total Xylenes*</b>	<b>48.9</b>	0.600	04/02/2021	ND	6.33	106	6.00	0.191	
<b>Total BTX</b>	<b>70.1</b>	1.20	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 244 % 73.3-129

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>18400</b>	16.0	04/05/2021	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
<b>GRO C6-C10*</b>	<b>1680</b>	100	04/01/2021	ND	208	104	200	0.487	
<b>DRO &gt;C10-C28*</b>	<b>21900</b>	100	04/01/2021	ND	222	111	200	1.95	
<b>EXT DRO &gt;C28-C36</b>	<b>4450</b>	100	04/01/2021	ND					

Surrogate: 1-Chlorooctane 186 % 44.3-144

Surrogate: 1-Chlorooctadecane 593 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 4 1' (H210811-22)**

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	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	6130	16.0	04/05/2021	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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	64.1	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	53.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 4 2' (H210811-23)**

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	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	9460	16.0	04/05/2021	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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	98.0	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	78.2	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.7 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 4 3' (H210811-24)**

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	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	480	16.0	04/05/2021	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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	153	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	46.3	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.8 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 4 4' (H210811-25)**

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	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	0.123	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	0.122	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	0.667	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEX	0.917	0.300	04/02/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/05/2021	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*	11.9	10.0	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	15.3	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.3 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 4 5' (H210811-26)**

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	04/05/2021	ND	416	104	400	0.00		

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 5 SURFACE (H210811-27)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/05/2021	ND	2.24	112	2.00	0.102	
Toluene*	9.56	0.200	04/05/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	10.7	0.200	04/05/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	45.7	0.600	04/05/2021	ND	6.33	106	6.00	0.191	
Total BTX	66.0	1.20	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 223 % 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	28400	16.0	04/05/2021	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*	1780	100	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	35500	100	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	7830	100	04/01/2021	ND					

Surrogate: 1-Chlorooctane 227 % 44.3-144

Surrogate: 1-Chlorooctadecane 942 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 5 1' (H210811-28)**

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	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	224	16.0	04/05/2021	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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	82.5	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	54.4	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 5 2' (H210811-29)**

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	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	96.0	16.0	04/05/2021	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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	30.3	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	13.1	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.9 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/25/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 5 3' (H210811-30)****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>16.0</b>	16.0	04/05/2021	ND	416	104	400	0.00	

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 6 SURFACE (H210811-31)**

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	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	66400	16.0	04/05/2021	ND	416	104	400	10.9	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	13.5	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.6 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 6 1' (H210811-32)**

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	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	240	16.0	04/05/2021	ND	416	104	400	10.9	

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	04/05/2021	ND	208	104	200	0.487	
DRO >C10-C28*	233	10.0	04/05/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	157	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 112 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 6 2' (H210811-33)****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>288</b>	16.0	04/05/2021	ND	416	104	400	10.9	

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 7 SURFACE (H210811-34)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.068</b>	0.050	04/05/2021	ND	2.24	112	2.00	0.102	GC-NC1
<b>Toluene*</b>	<b>2.38</b>	0.050	04/05/2021	ND	2.14	107	2.00	0.261	
<b>Ethylbenzene*</b>	<b>2.27</b>	0.050	04/05/2021	ND	2.13	107	2.00	0.0743	
<b>Total Xylenes*</b>	<b>9.49</b>	0.150	04/05/2021	ND	6.33	106	6.00	0.191	
<b>Total BTX</b>	<b>14.2</b>	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 185 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>20400</b>	16.0	04/05/2021	ND	416	104	400	10.9	

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>334</b>	100	04/01/2021	ND	208	104	200	0.487	
<b>DRO &gt;C10-C28*</b>	<b>35100</b>	100	04/01/2021	ND	222	111	200	1.95	
<b>EXT DRO &gt;C28-C36</b>	<b>9940</b>	100	04/01/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 1130 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





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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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 7 1' (H210811-35)**

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	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	9330	16.0	04/05/2021	ND	416	104	400	10.9	

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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	102	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	57.2	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 7 2' (H210811-36)**

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	04/02/2021	ND	2.24	112	2.00	0.102		
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	4000	16.0	04/05/2021	ND	416	104	400	10.9	

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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 85.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 7 3' (H210811-37)**

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	04/02/2021	ND	2.24	112	2.00	0.102	
Toluene*	<0.050	0.050	04/02/2021	ND	2.14	107	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.0743	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.33	106	6.00	0.191	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	448	16.0	04/05/2021	ND	416	104	400	10.9	

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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	13.8	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.5 % 42.2-156

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**Analytical Results For:**

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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 7 4' (H210811-38)**

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	04/05/2021	ND	416	104	400	10.9	

**Sample ID: SP 7 5' (H210811-39)**

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	04/05/2021	ND	416	104	400	10.9		

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 8 SURFACE (H210811-40)**

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	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	0.068	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	0.083	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	0.443	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTX	0.594	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	6930	16.0	04/05/2021	ND	416	104	400	10.9		
TPH 8015M		mg/kg		Analyzed By: MS						S-06

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 409 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 8 1' (H210811-41)**

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	04/02/2021	ND	2.22	111	2.00	0.405		
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	272	16.0	04/05/2021	ND	416	104	400	10.9		

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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	158	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	59.6	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 8 2' (H210811-42)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	256	16.0	04/05/2021	ND	416	104	400	10.9	

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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	12.6	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 84.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.3 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 8 3' (H210811-43)**

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	04/02/2021	ND	2.22	111	2.00	0.405		
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607		
Total BTEx	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	16.0	16.0	04/05/2021	ND	416	104	400	10.9		

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	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	<10.0	10.0	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	04/01/2021	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.9 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 8 4' (H210811-44)****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	04/05/2021	ND	416	104	400	10.9	

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 9 SURFACE (H210811-45)**

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	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	0.089	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	0.532	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTX	0.621	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	32800	16.0	04/05/2021	ND	416	104	400	10.9		

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	04/02/2021	ND	208	104	200	0.487		
DRO >C10-C28*	10500	100	04/02/2021	ND	222	111	200	1.95		
EXT DRO >C28-C36	3090	100	04/02/2021	ND						

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 421 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 9 1' (H210811-46)**

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	04/02/2021	ND	2.22	111	2.00	0.405		
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607		
Total BTEx	<0.300	0.300	04/02/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/05/2021	ND	416	104	400	10.9	

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	04/02/2021	ND	208	104	200	0.487	
DRO >C10-C28*	71.0	10.0	04/02/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	31.7	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.4 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 9 2' (H210811-47)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	160	16.0	04/05/2021	ND	416	104	400	10.9		

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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	18.2	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	<10.0	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 92.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.9 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 9 3' (H210811-48)****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	04/05/2021	ND	416	104	400	10.9	

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 10 SURFACE (H210811-49)**

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	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	<b>0.468</b>	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<b>1.38</b>	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<b>6.97</b>	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTX	<b>8.82</b>	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 236 % 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>2080</b>	16.0	04/05/2021	ND	416	104	400	10.9	

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>305</b>	100	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	<b>24300</b>	100	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	<b>7380</b>	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 133 % 44.3-144

Surrogate: 1-Chlorooctadecane 832 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

BBC International, Inc.  
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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 10 1' (H210811-50)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	04/05/2021	ND	416	104	400	10.9	

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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	87.9	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	23.8	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.5 % 42.2-156

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 10 2' (H210811-51)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/05/2021	ND	416	104	400	0.00		

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Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 11 SURFACE (H210811-52)**

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	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	0.209	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	0.352	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	2.00	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTX	2.56	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 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	32400	16.0	04/05/2021	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*	133	100	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	23900	100	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	8220	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 882 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 11 1' (H210811-53)**

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	04/02/2021	ND	2.22	111	2.00	0.405		
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607		
Total BTEX	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	400	16.0	04/05/2021	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	04/05/2021	ND	204	102	200	0.451	
DRO >C10-C28*	364	10.0	04/05/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	196	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.8 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 11 2' (H210811-54)**

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	04/02/2021	ND	2.22	111	2.00	0.405		
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343		
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474		
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607		
Total BTEX	<0.300	0.300	04/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	496	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	90.3	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	28.4	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 76.2 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 11 3' (H210811-55)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	16.5	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	15.4	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.1 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 11 4' (H210811-56)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/05/2021	ND	416	104	400	0.00		

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**Analytical Results For:**

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Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 12 SURFACE (H210811-57)**

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	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	0.072	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	0.096	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	0.567	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTX	0.735	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	2600	16.0	04/05/2021	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: MS					
									S-06

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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	24800	100	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	8340	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 911 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 12 1' (H210811-58)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	160	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	64.7	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	22.1	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.4 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 12 2' (H210811-59)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	177	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	91.8	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.4 % 42.2-156

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**Analytical Results For:**

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 Cliff Brunson  
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 Hobbs NM, 88241  
 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/29/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 12 3' (H210811-60)**

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	04/05/2021	ND	416	104	400	0.00	

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 13 SURFACE (H210811-61)**

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	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	<b>0.183</b>	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<b>0.657</b>	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<b>4.05</b>	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTX	<b>4.89</b>	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 203 % 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>10800</b>	16.0	04/05/2021	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>302</b>	100	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	<b>30200</b>	100	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	<b>8730</b>	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 149 % 44.3-144

Surrogate: 1-Chlorooctadecane 991 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 13 1' (H210811-62)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEx	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	640	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	19.1	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	<10.0	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.9 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 13 2' (H210811-63)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTX	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	10.2	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	<10.0	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.6 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 13 3' (H210811-64)**

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	04/02/2021	ND	2.22	111	2.00	0.405	
Toluene*	<0.050	0.050	04/02/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	<0.050	0.050	04/02/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	<0.150	0.150	04/02/2021	ND	6.24	104	6.00	0.607	
Total BTEX	<0.300	0.300	04/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	<10.0	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	<10.0	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.4 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 13 4' (H210811-65)****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	04/05/2021	ND	416	104	400	0.00	

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**Analytical Results For:**

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 Fax To: (575) 397-0397

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 14 SURFACE (H210811-66)**

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	04/05/2021	ND	2.19	110	2.00	2.73		
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56		
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49		
<b>Total Xylenes*</b>	<b>0.269</b>	0.150	04/05/2021	ND	6.03	101	6.00	3.16		
Total BTEX	<0.300	0.300	04/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	04/05/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.0	10.0	04/05/2021	ND	204	102	200	0.451	
DRO >C10-C28*	2620	10.0	04/05/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	768	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 160 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 14 1' (H210811-67)**

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	04/05/2021	ND	2.19	110	2.00	2.73		
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56		
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49		
Total Xylenes*	<0.150	0.150	04/05/2021	ND	6.03	101	6.00	3.16		
Total BTX	<0.300	0.300	04/05/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	38.8	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	38.0	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.1 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 14 2' (H210811-68)**

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	04/05/2021	ND	2.19	110	2.00	2.73	
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/05/2021	ND	6.03	101	6.00	3.16	
Total BTX	<0.300	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	3520	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	<10.0	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	<10.0	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.6 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 14 3' (H210811-69)**

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	04/05/2021	ND	2.19	110	2.00	2.73		
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56		
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49		
Total Xylenes*	0.223	0.150	04/05/2021	ND	6.03	101	6.00	3.16		
Total BTEx	<0.300	0.300	04/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	04/05/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.9	10.0	04/05/2021	ND	204	102	200	0.451	
DRO >C10-C28*	2680	10.0	04/05/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	792	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 161 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 14 4' (H210811-70)**

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	04/05/2021	ND	2.19	110	2.00	2.73	
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/05/2021	ND	6.03	101	6.00	3.16	
Total BTX	<0.300	0.300	04/05/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/05/2021	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	32.5	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	34.0	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.3 % 42.2-156

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 14 5' (H210811-71)**

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	04/05/2021	ND	416	104	400	3.92	

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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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 15 SURFACE (H210811-72)**

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	04/05/2021	ND	2.19	110	2.00	2.73	
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/05/2021	ND	6.03	101	6.00	3.16	
Total BTX	<0.300	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	42400	16.0	04/05/2021	ND	416	104	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	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	22.2	10.0	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	10.7	10.0	04/02/2021	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.6 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 15 1' (H210811-73)**

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	04/05/2021	ND	2.19	110	2.00	2.73	
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/05/2021	ND	6.03	101	6.00	3.16	
Total BTX	<0.300	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2800	16.0	04/05/2021	ND	416	104	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	04/05/2021	ND	229	115	200	5.61	
DRO >C10-C28*	<10.0	10.0	04/05/2021	ND	239	120	200	5.60	
EXT DRO >C28-C36	<10.0	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 92.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 15 2' (H210811-74)**

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	04/05/2021	ND	2.19	110	2.00	2.73		
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56		
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49		
Total Xylenes*	<0.150	0.150	04/05/2021	ND	6.03	101	6.00	3.16		
Total BTX	<0.300	0.300	04/05/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	96.0	16.0	04/05/2021	ND	416	104	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	04/05/2021	ND	229	115	200	5.61	
DRO >C10-C28*	212	10.0	04/05/2021	ND	239	120	200	5.60	
EXT DRO >C28-C36	72.5	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 15 3' (H210811-75)**

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	04/05/2021	ND	2.19	110	2.00	2.73	
Toluene*	<0.050	0.050	04/05/2021	ND	2.15	108	2.00	1.56	
Ethylbenzene*	<0.050	0.050	04/05/2021	ND	2.06	103	2.00	2.49	
Total Xylenes*	<0.150	0.150	04/05/2021	ND	6.03	101	6.00	3.16	
Total BTX	<0.300	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	96.0	16.0	04/05/2021	ND	416	104	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	04/05/2021	ND	229	115	200	5.61	
DRO >C10-C28*	<10.0	10.0	04/05/2021	ND	239	120	200	5.60	
EXT DRO >C28-C36	<10.0	10.0	04/05/2021	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 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: 03/31/2021  
 Reported: 04/06/2021  
 Project Name: SUNDANCE FED CTB  
 Project Number: ( 2/18/21 )  
 Project Location: OXY - EDDY CO NM

Sampling Date: 03/30/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Yvonne Muniz

**Sample ID: SP 15 4' (H210811-76)****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>144</b>	16.0	04/05/2021	ND	416	104	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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager





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101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUIREST

7109

<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 Name:</b> Sundance FED CTB (2/18/21) <b>Project Location:</b> Eddy County NM <b>Sampler Name:</b> Simon Rendon				<b>P.O. #:</b> <b>Company:</b> OXY <b>Attn:</b> WADE <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>			
<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> <b>Sample I.D.</b>				<b>DATE</b> <b>TIME</b> <b>CL</b> <b>BTEX</b> <b>TPH EXT</b>			
NORTH @ SURFACE EAST @ SURFACE WEST @ SURFACE SOUTH @ SURFACE SP1 SURFACE SP1 1' SP1 2' SP1 3 SP1 4' SP1 5'				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :			
DATE TIME CL BTEX TPH EXT				3/25/21 9:02AM ✓ 3/25/21 9:14AM ✓ 3/25/21 9:27AM ✓ 3/25/21 9:44AM ✓ 3/25/21 9:54 AM ✓ 3/25/21 10:08 AM ✓ 3/25/21 10:21 AM ✓ 3/25/21 10:30 AM ✓ 3/25/21 10:41 AM ✓ 3/25/21 10:50 AM ✓			
RECEIVED BY: <i>Simon Rendon</i> DATE: 3-31-21 TIME: 8:45 AM				RECEIVED BY: <i>Simon Rendon</i> DATE: 3-31-21 TIME: 8:45 AM			
DELIVERED BY: (Circle One) UPS    BUS    OTHER				SAMPLE CONDITION COOL    INTACT YES    NO    YES    NO			
CHECKED BY: (Initials) <i>Simon Rendon</i>				ADDITIONAL PHONE #: ADDITIONAL FAX #: REMARKS:			





**CARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

7.2.24.9

Company Name: BBC International, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: Cliff Brunson				P.O. #:																							
Address: P.O. Box 805				Company: OXY																							
City: Hobbs				Attn: WADE																							
Phone #: 575-397-6388				Address:																							
Fax #: 575-397-0397				City:																							
Project #: Project Owner: Oxy				State:				Zip:																			
Project Name: Sundance FED CTB (2/18/21)				Phone #:																							
Project Location: Eddy County NM				Fax #:																							
Sampler Name: Simon Rendon																											
FOR LAB USE ONLY																											
Lab I.D.				(G)RAB OR (C)OMP.				MATRIX				PRESERV.				SAMPLING											
Sample I.D.				# CONTAINERS				GROUNDWATER				WASTEWATER															
								SOIL																			
								OIL																			
								SLUDGE																			
								OTHER :																			
								ACID/BASE:																			
								ICE / COOL																			
								OTHER :																			
				DATE				TIME				CL				BTEX				TPH EXT							
#210811				11				3/25/21				11:03AM				✓				✓							
SP2 SURFACE				G				1				3/25/21				11:12AM				✓				✓			
12				SP2 1'								3/25/21				11:18AM				✓				✓			
13				SP2 2'								3/25/21				11:26AM				✓				✓			
14				SP2 3'								3/25/21				11:38AM				✓				✓			
15				SP2 4'								3/25/21				11:50AM				✓				✓			
16				SP2 5'								3/25/21				12:41 PM				✓				✓			
17				SP3 SURFACE								3/25/21				12:52PM				✓				✓			
18				SP3 1'								3/25/21				1:08 PM				✓				✓			
19				SP3 2'								3/25/21				1:19 PM				✓				✓			
20				SP3 3'								3/25/21				1:19 PM				✓				✓			

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Relinquished By:	Date: 3-31-21	Time: 2:00 PM	Received By:	Date: 3-31-21	Time: 4:45 PM
Relinquished By: <i>Simon Rendon</i>			Received By: <i>Cliff Brunson</i>		
Delivered By: (Circle One)			Sample Condition		CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:			Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		
			No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>		
			No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.309

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101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

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

2.409

Company Name: BBC International, Inc.

Project Manager: Cliff Brunson

Address: P.O. Box 805

City: Hobbs

Phone #: 575-397-6388

Project #:

Project Name: Sundance FED CTB (2/18/21)

Project Location: Eddy County NM

Sampler Name: Simon Rendon

FOR LAB USE ONLY

**BILL TO**

P.O. #:

Company: OXY

Attn: WADE

Address:

City:

State: Zip:

Phone #:

Fax #:

**ANALYSIS REQUEST**

Lab I.D.

Sample I.D.

#240811

SP6 SURFACE

SP6 1'

SP6 2'

SP7 SURFACE

SP7 1'

SP7 2'

SP7 3'

SP7 4'

SP7 5'

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Relinquished By:

Date: 3-31-21 Received By:

Time: 4:00 PM

Date: 3-31-21 Received By:

Time: 4:00 PM

Delivered By: (Circle One)

Time: 4:00 PM

Sampler - UPS - Bus - Other:

Time: 4:00 PM

Sample Condition

Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No ☐

CHECKED BY:

(Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Phone Result: ☐ Yes ☐ No Add'l Phone #:  
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:





# ORDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240  
(505) 393-2326 FAX (505) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.509

<b>BILL TO</b>							<b>ANALYSIS REQUEST</b>							
Company Name: BBC International, Inc.									P.O. #:					
Project Manager: Cliff Brunson									Company: OXY					
Address: P.O. Box 805									Attn: WADE					
City: Hobbs									State: NM Zip: 88241					
Phone #: 575-397-6388 Fax #: 575-397-0397									Address:					
Project #:									City:					
Project Owner: Oxy									State: Zip:					
Project Name: Sundance FED CTB (2/18/21)									Phone #:					
Project Location: Eddy County NM									Fax #:					
Sample Name: Simon Rendon														
FOR LAB USE ONLY														
Lab I.D.									MATRIX PRESERV SAMPLING					
Sample I.D.									(G)RAB OR (C)OMP.					
									# CONTAINERS					
									GROUNDWATER					
									WASTEWATER					
									SOIL					
									OIL					
									SLUDGE					
									OTHER :					
									ACID/BASE:					
									ICE / COOL					
									OTHER :					
DATE TIME									CL					
3/29/21 10:41 AM									BTX					
3/29/21 10:48AM									TPH EXT					
3/29/21 11:04AM														
3/29/21 11:15AM														
3/29/21 11:23 AM														
3/29/12 11:30AM														
3/29/21 11:39AM														
3/29/21 11:51AM														
3/29/21 12:05PM														
PLEASE NOTE: Liability and Damages (Contract's liability and client's exclusive remedy) for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon all or part of the above stated reasons or otherwise.														
Retinquished By: _____ Date: 3-31-21 Received By: _____ Time: 8:00am									Phone Result: Yes No Add'l Phone #: REMARKS:					
Retinquished By: _____ Date: 3-31-21 Received By: _____ Time: 4:45pm									Phone Result: Yes No Add'l Phone #: REMARKS:					
Delivered By: (Circle One) Breathern Yvonne muni-2									CHECKED BY: (Initials) 400					
Sampler - UPS - Bus - Other: #113 2.9									Cool Intact Preserves <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Pres <input checked="" type="checkbox"/> Saves					



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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# ARDINAL LABORATORIES

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P. 7089

[illegible]



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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**BILL TO**

ANALYSIS REQUEST

[illegible]

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.999

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Form C-141

Page 5

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP210646400
District RP	
Facility ID	
Application ID	

## Remediation Plan


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

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Wade Dittrich Title: Environmental Coordinator  
Signature:  Date: 5-16-21  
email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**Received by: Robert Hamlet Date: 9/1/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Robert Hamlet Date: 9/1/2021



**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 30448

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 30448
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Workplan/Remediation Plan is approved with the following conditions: Please make sure the edges/sidewalls and floor closure samples are delineated/excavated to meet closure criteria standards for proven depth to water determination. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. The variance for 400 ft2 closure samples is approved.	9/1/2021