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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.

Form C-141
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State of New Mexico
Oil Conservation Division

Incident ID	nAPP210646400
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	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 not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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

Printed Name: Wade Dittrich Title: Environmental Coordinator

Signature:  Date: 5-16-21

email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

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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

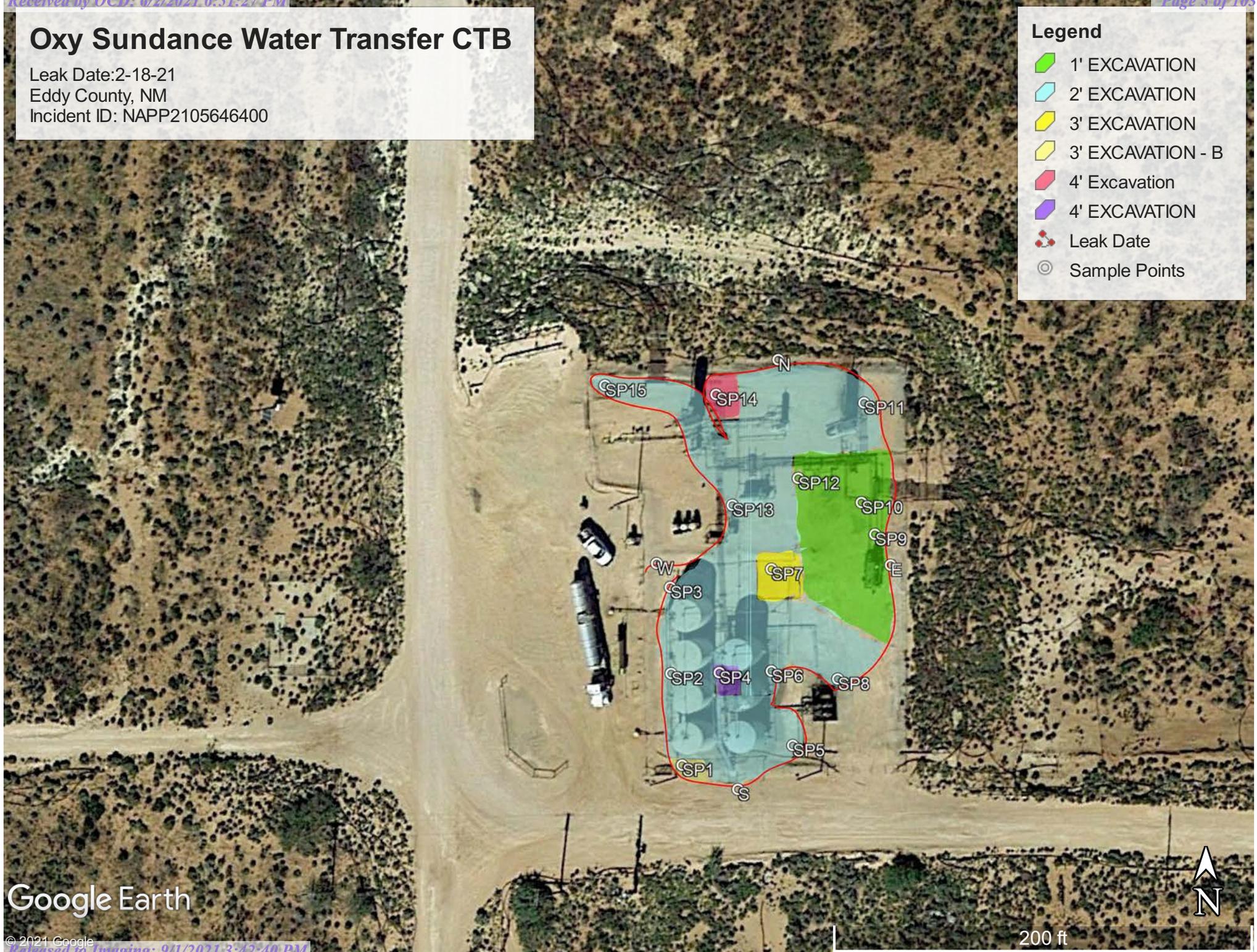
Signature: _____ Date: _____

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

200 ft

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	0.054
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	0.051
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	0.271
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	0.376
Chloride	SM4500Cl-B		16.0	32.0	<16.0	32
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		3.28	0.167	0.054	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		5.04	0.151	<0.050	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		22.3	0.689	0.733	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		30.6	1.01	0.787	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		19600	7730	9460	256	<16.0	<16.0
GRO	TPH 8015M		733	24.2	35.5	<10.0	<10.0	n/a
DRO	TPH 8015M		31000	1270	1170	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		7170	413	333	<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		0.478	<0.050	<0.050	<0.050	<0.050	n/a
Toluene	BTEX 8021B		5.98	<0.050	<0.051	<0.051	<0.050	n/a
Ethylbenzene	BTEX 8021B		4.84	<0.050	<0.052	<0.052	<0.050	n/a
Total Xylenes	BTEX 8021B		20.2	0.367	<0.150	<0.150	0.236	n/a
Total BTEX	BTEX 8021B		31.5	0.367	<0.300	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		528	176.0	240.0	272.0	48.0	16.0
GRO	TPH 8015M		679	11.9	<10.0	<10.0	<10.0	n/a
DRO	TPH 8015M		34900	416	125	<10.0	<10.0	n/a
EXT DRO	TPH 8015M		10300	143	43.7	<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		0.1	<0.050	<0.050	n/a
Toluene	BTEX 8021B		2.13	<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		3.39	<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		14.7	<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		20.3	<0.300	<0.300	n/a
Chloride	SM4500Cl-B		19000	1060	448	32
GRO	TPH 8015M		288	<10.0	<10.0	n/a
DRO	TPH 8015M		12800	52.6	<10.0	n/a
EXT DRO	TPH 8015M		3470	23	<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	0.123	N/A
Ethylbenzene	BTEX 8021B		11.6	<0.050	<0.050	<0.050	0.122	N/A
Total Xylenes	BTEX 8021B		48.9	<0.150	<0.150	<0.150	0.667	N/A
Total BTEX	BTEX 8021B		70.1	<0.300	<0.300	<0.300	0.917	N/A
Chloride	SM4500Cl-B		18400	6130	9460	480	32	<16.0
GRO	TPH 8015M		1680	<10.0	<10.0	n/a	11.9	N/A
DRO	TPH 8015M		21900	64.1	98	153	15.3	N/A
EXT DRO	TPH 8015M		4450	53	7.8.2	46.3	<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		9.56	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		10.7	<0.050	<0.050	N/A
Total Xylenes	BTEX 8021B		45.7	<0.150	<0.150	N/A
Total BTEX	BTEX 8021B		66	<0.300	<0.300	N/A
Chloride	SM4500Cl-B		28400	224.0	96.0	16
GRO	TPH 8015M		1780	<10.0	<10.0	N/A
DRO	TPH 8015M		35500	82.5	30.3	N/A
EXT DRO	TPH 8015M		7830	54.4	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		64000	240	288
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		13.5	233	<10.0
EXT DRO	TPH 8015M		<10.0	157	<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		0.068	<0.050	<0.050	<0.050	N/A	N/A
Toluene	BTEX 8021B		2.38	<0.050	<0.050	<0.050	N/A	N/A
Ethylbenzene	BTEX 8021B		2.27	<0.050	<0.050	<0.050	N/A	N/A
Total Xylenes	BTEX 8021B		9.49	<0.150	<0.150	<0.150	N/A	N/A
Total BTEX	BTEX 8021B		14.2	<0.300	<0.300	<0.300	N/A	N/A
Chloride	SM4500Cl-B		20400	9330	4000	448	16	<16.0
GRO	TPH 8015M		334	<10.0	<10.0	<10.0	N/A	N/A
DRO	TPH 8015M		35100	102	<10.0	13.8	N/A	N/A
EXT DRO	TPH 8015M		9940	57.2	<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

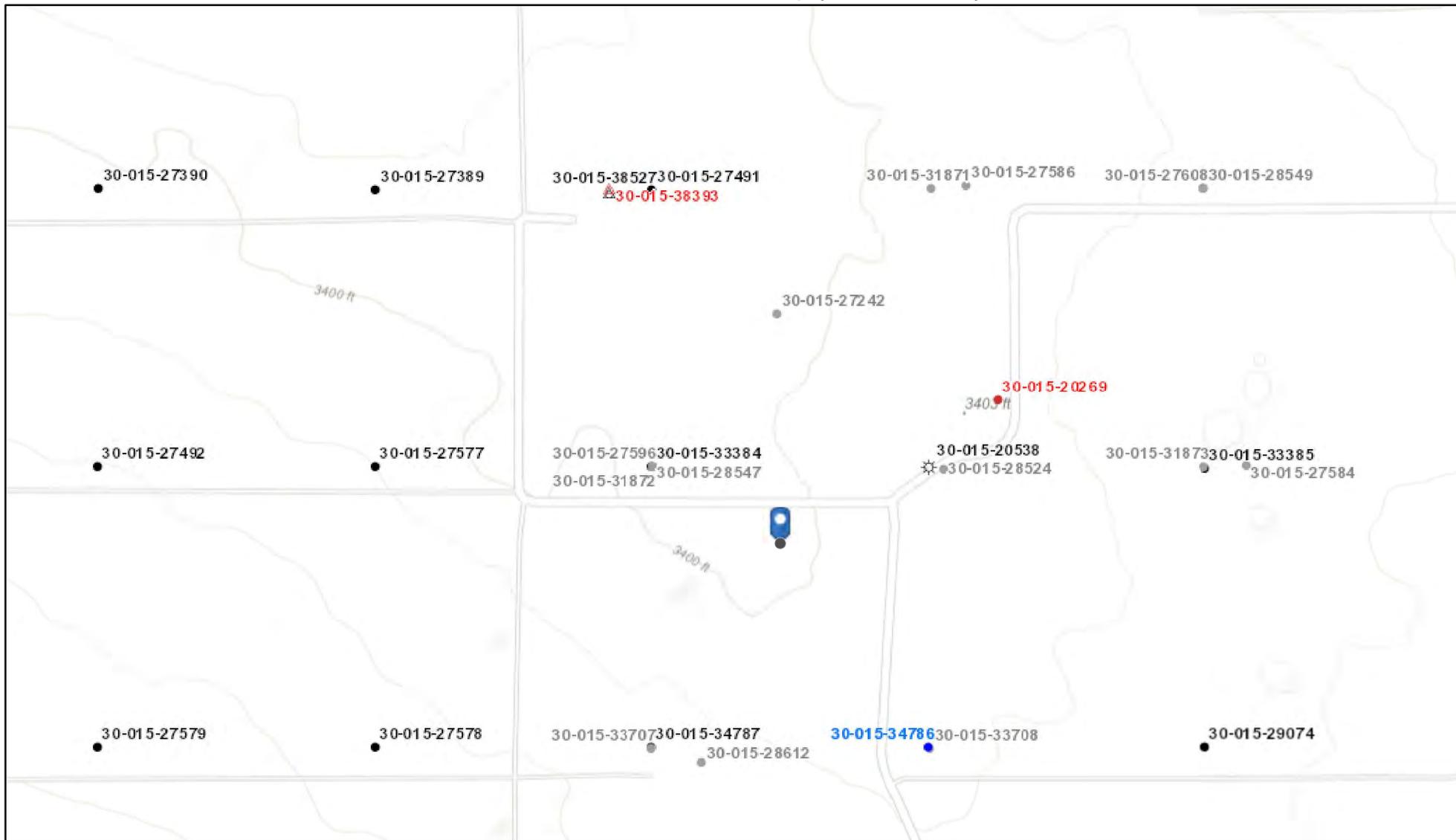
		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'	SP12 @ 3'
Analyte	Method	Date	3/29/21	3/29/21	3/29/21	3/29/21
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.072	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.096	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		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	

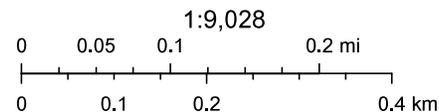
		Sample ID	SP15 @ Surface	SP15 @ 1'	SP15 @ 2'	SP15 @ 3'	SP15 @ 4'
Analyte	Method	Date	3/30/21	3/30/21	3/30/21	3/30/21	3/30/21
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	N/A
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<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 | CO2, Cancelled | Gas, Active | Gas, Temporarily Abandoned | Injection, Plugged |
| undefined | CO2, New | Gas, Cancelled | Injection, Active | |
| Miscellaneous | CO2, Plugged | Gas, New | Injection, Cancelled | |
| CO2, Active | CO2, Temporarily Abandoned | Gas, Plugged | Injection, New | |



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

New Mexico Oil Conservation Division

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

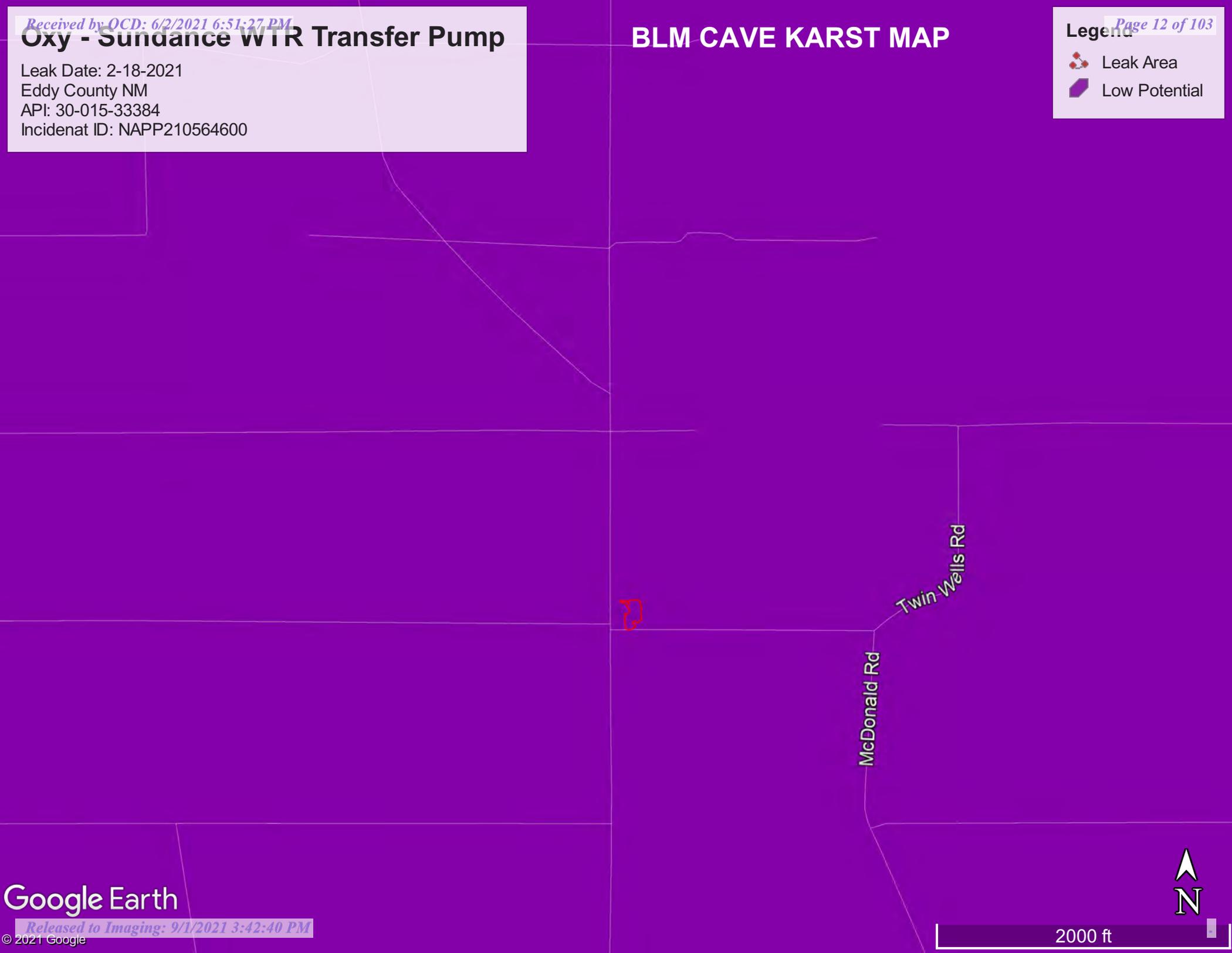
Oxy - Sundance WTR Transfer Pump

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



Legend

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

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

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Agency code = usgs
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- 321421103464901

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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

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of 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
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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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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



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: 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, 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	04/01/2021	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, 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 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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 1 SURFACE (H210811-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	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 BTEX	30.6	0.600	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 199 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
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



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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, SM4500Cl-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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	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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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 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, 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 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.9 % 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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 2 SURFACE (H210811-11)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	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*	679	100	04/02/2021	ND	196	97.8	200	0.630	
DRO >C10-C28*	34900	100	04/02/2021	ND	200	99.8	200	2.73	
EXT DRO >C28-C36	10300	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 159 % 44.3-144

Surrogate: 1-Chlorooctadecane 1100 % 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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, SM4500Cl-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



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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 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	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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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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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:

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 SURFACE (H210811-17)

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

Surrogate: 4-Bromofluorobenzene (PID) 271 % 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	19000	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*	288	50.0	04/02/2021	ND	196	97.8	200	0.630		
DRO >C10-C28*	12800	50.0	04/02/2021	ND	200	99.8	200	2.73		
EXT DRO >C28-C36	3470	50.0	04/02/2021	ND						

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 402 % 42.2-156

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Analytical Results For:

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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, SM4500Cl-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.
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 P.O. Box 805
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 Fax To: (575) 397-0397

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 4 SURFACE (H210811-21)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18400	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*	1680	100	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	21900	100	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	4450	100	04/01/2021	ND					

Surrogate: 1-Chlorooctane 186 % 44.3-144

Surrogate: 1-Chlorooctadecane 593 % 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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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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, SM4500Cl-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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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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	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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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	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 5 SURFACE (H210811-27)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	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 BTEX	66.0	1.20	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 223 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
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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Analytical Results For:

BBC International, Inc.
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 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, SM4500Cl-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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, SM4500Cl-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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/25/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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
Chloride	16.0	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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 P.O. Box 805
 Hobbs NM, 88241
 Fax To: (575) 397-0397

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, SM4500Cl-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:

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

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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
Chloride	288	16.0	04/05/2021	ND	416	104	400	10.9	

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 7 SURFACE (H210811-34)

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

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20400	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*	334	100	04/01/2021	ND	208	104	200	0.487	
DRO >C10-C28*	35100	100	04/01/2021	ND	222	111	200	1.95	
EXT DRO >C28-C36	9940	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



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 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, SM4500Cl-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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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	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, SM4500Cl-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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, 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	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:

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

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

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	

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

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	

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Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 8 SURFACE (H210811-40)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2021	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 BTEX	0.594	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	6930	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*	<50.0	50.0	04/01/2021	ND	208	104	200	0.487		
DRO >C10-C28*	10800	50.0	04/01/2021	ND	222	111	200	1.95		
EXT DRO >C28-C36	3060	50.0	04/01/2021	ND						

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 409 % 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 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, SM4500Cl-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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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 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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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, 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	

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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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	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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
Chloride	32.0	16.0	04/05/2021	ND	416	104	400	10.9	

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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	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 9 SURFACE (H210811-45)

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	2.22	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 BTEX	0.621	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	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:

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

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, 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	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:

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 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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 Fax To: (575) 397-0397

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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
Chloride	32.0	16.0	04/05/2021	ND	416	104	400	10.9	

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Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 10 SURFACE (H210811-49)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	0.468	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	1.38	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	6.97	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTEX	8.82	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 236 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	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*	305	100	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	24300	100	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	7380	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 133 % 44.3-144

Surrogate: 1-Chlorooctadecane 832 % 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	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, 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	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:

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

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 11 SURFACE (H210811-52)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTEX	2.56	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
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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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 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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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, SM4500Cl-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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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 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	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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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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 SURFACE (H210811-57)

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	2.22	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 BTEX	0.735	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	2600	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*	<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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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 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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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 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, SM4500Cl-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:

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

Received:	03/31/2021	Sampling Date:	03/29/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

Received:	03/31/2021	Sampling Date:	03/30/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

Sample ID: SP 13 SURFACE (H210811-61)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2021	ND	2.22	111	2.00	0.405	
Toluene*	0.183	0.050	04/05/2021	ND	2.13	107	2.00	0.343	
Ethylbenzene*	0.657	0.050	04/05/2021	ND	2.10	105	2.00	0.474	
Total Xylenes*	4.05	0.150	04/05/2021	ND	6.24	104	6.00	0.607	
Total BTEX	4.89	0.300	04/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 203 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	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*	302	100	04/02/2021	ND	204	102	200	0.451	
DRO >C10-C28*	30200	100	04/02/2021	ND	219	110	200	0.759	
EXT DRO >C28-C36	8730	100	04/02/2021	ND					

Surrogate: 1-Chlorooctane 149 % 44.3-144

Surrogate: 1-Chlorooctadecane 991 % 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: 03/30/2021
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, SM4500Cl-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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/30/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

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	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



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 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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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	Sampling Date:	03/30/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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
Chloride	32.0	16.0	04/05/2021	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/30/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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	
Total Xylenes*	0.269	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)

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*	<0.150	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) 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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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)

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*	<0.150	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) 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	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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Analytical Results For:

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

Received:	03/31/2021	Sampling Date:	03/30/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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, 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*	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)

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*	<0.150	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) 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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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	Sampling Date:	03/30/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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

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	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)

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*	<0.150	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) 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	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)

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*	<0.150	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) 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	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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* = 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 15 2' (H210811-74)

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*	<0.150	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) 103 % 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	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)

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*	<0.150	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) 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	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



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	Sampling Date:	03/30/2021
Reported:	04/06/2021	Sampling Type:	Soil
Project Name:	SUNDANCE FED CTB	Sampling Condition:	Cool & Intact
Project Number:	(2/18/21)	Sample Received By:	Yvonne Muniz
Project Location:	OXY - EDDY CO NM		

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
Chloride	144	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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2109

BILL TO

ANALYSIS REQUEST

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
 Project #: Project Owner: Oxy
 Project Name: Sundance FED CTB (2/18/21)
 Project Location: Eddy County NM
 Sampler Name: Simon Rendon
 Phone #: Zip:
 Fax #:

Lab I.D.	Sample I.D.	FOR LAB USE ONLY	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:
#210811	NORTH @ SURFACE		G	1								3/25/21	9:02AM	✓	✓	✓
	1 EAST @ SURFACE											3/25/21	9:14AM	✓	✓	✓
	2 WEST @ SURFACE											3/25/21	9:27AM	✓	✓	✓
	3 SOUTH @ SURFACE											3/25/21	9:44AM	✓	✓	✓
	SP1 SURFACE											3/25/21	9:54 AM	✓	✓	✓
	SP1 1'											3/25/21	10:08 AM	✓	✓	✓
	SP1 2'											3/25/21	10:21 AM	✓	✓	✓
	SP1 3											3/25/21	10:30 AM	✓	✓	✓
	SP1 4'											3/25/21	10:41 AM	✓	✓	✓
	SP1 5'											3/25/21	10:50 AM	✓	✓	✓

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Relinquished By: *[Signature]* Date: 3-31-21 Received By: *[Signature]* Date: 3-31-21
 Relinquished By: *[Signature]* Time: 8:00 AM Received By: *[Signature]* Time: 11:05 AM
 Delivered By: (Circle One) *[Signature]* Sample Condition: Intact Cool Yes No
 Sampler - UPS - Bus - Other: *[Signature]* Checked By: *[Signature]* (Initials) *[Signature]*
 #113 29

† 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:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.3099

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST	
Project Manager: Cliff Brunson		P.O. #:			
Address: P.O. Box 805		Company: OXY			
City: Hobbs		Attn: WADE			
State: NM Zip: 88241		Address:			
Phone #: 575-397-6388		City:			
Fax #: 575-397-0397		State:			
Project #: Sundance FED CTB (2/18/21)		Zip:			
Project Name: Eddy County NM		Phone #:			
Project Location: Simon Rendon		Fax #:			
Sample Name: Simon Rendon		PRESERV:			
FOR LAB USE ONLY		MATRIX		SAMPLING	
Lab I.D. Sample I.D.		GROUNDWATER		DATE	
H210811		WASTEWATER		TIME	
21 SP4 SURFACE		SOIL		CL	
22 SP4 1'		OIL		BTEX	
23 SP4 2'		SLUDGE		TPH EXT	
24 SP4 3'		OTHER :			
25 SP4 4'		ACID/BASE:			
26 SP4 5'		ICE / COOL			
27 SP5 SURFACE		OTHER :			
28 SP5 1'		DATE			
29 SP5 2'		TIME			
30 SP5 3'		DATE			
		TIME			

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Relinquished By: *[Signature]* Date: 3-2-21 Received By: *[Signature]* Date: 3-2-21
 Time: 4:15 PM

Delivered By: (Circle One) *[Signature]* Sample Condition Cool Intact
 Yes No

Sampler - UPS - Bus - Other: #113 29

CHECKED BY: *[Signature]* (Initials) *[Signature]*

REMARKS:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2409

BILL TO

ANALYSIS REQUEST

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
 Project #: _____ Project Owner: Oxy
 Project Name: Sundance FED CTB (2/18/21) City: _____
 Project Location: Eddy County NM State: _____ Zip: _____
 Sample Name: Simon Rendon Phone #: _____
 FOR LAB USE ONLY Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	CL	BTEX	TPH EXT						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL											
#240811	SP6 SURFACE	G	1								3/29/21	8:50 AM	✓	✓	✓							
	SP6 1'										3/29/21	9:03 AM	✓	✓	✓							
	SP6 2'										3/29/21	9:12 AM	✓	✓	✓							
	SP 7 SURFACE										3/29/21	9:23 AM	✓	✓	✓							
	SP7 1'										3/29/21	9:33 AM	✓	✓	✓							
	SP7 2'										3/29/21	9:46 AM	✓	✓	✓							
	SP7 3										3/29/21	9:58 AM	✓	✓	✓							
	SP7 4'										3/29/21	10:12 AM	✓	✓	✓							
	SP7 5'										3/29/21	10:34 AM	✓	✓	✓							

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Relinquished By: *Simon Rendon* Date: 3-31-21 Received By: *Cliff Brunson*
 Time: 8:50 AM
 Relinquished By: *Cliff Brunson* Date: 3-31-21 Received By: *Yvonne Muriz*
 Time: 10:45 PM
 Delivered By: (Circle One) *Yvonne Muriz* Sample Condition: Cool Intact Yes No
 Sampler - UPS - Bus - Other: *#113 2.9* CHECKED BY: *Yvonne Muriz* (Initials) *ym*

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Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____
 REMARKS:



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.5089

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.	P.O. #: _____
Project Manager: Cliff Brunson	Company: OXY
Address: P.O. Box 805	Attn: WADE
City: Hobbs	Address: _____
State: NM Zip: 88241	City: _____
Phone #: 575-397-6388	State: _____ Zip: _____
Fax #: 575-397-0397	Phone #: _____
Project #: _____	Fax #: _____
Project Name: Sundance FED CTB (2/18/21)	
Project Location: Eddy County NM	
Sampler Name: Simon Rendon	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H210811	SP8 SURFACE	G	1							3/29/21	10:41 AM	✓	✓	✓
40	SP8 1'	G	1							3/29/21	10:48 AM	✓	✓	✓
41	SP8 2'	G	1							3/29/21	11:04 AM	✓	✓	✓
42	SP8 3'	G	1							3/29/21	11:15 AM	✓	✓	✓
43	SP8 4'	G	1							3/29/21	11:23 AM	✓	✓	✓
44	SP9 SURFACE	G	1							3/29/21	11:30 AM	✓	✓	✓
45	SP9 1'	G	1							3/29/21	11:39 AM	✓	✓	✓
46	SP9 2'	G	1							3/29/21	11:51 AM	✓	✓	✓
47	SP9 3'	G	1							3/29/21	12:05 PM	✓	✓	✓

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Refrinquished By: <i>Simon Rendon</i>	Date: 3-31-21	Received By: <i>Cliff Brunson</i>	Date: 3-31-21
Time: <i>8:00 AM</i>	Time: <i>4:45 PM</i>	Sample Condition: <input checked="" type="checkbox"/> Intact	CHECKED BY: <i>mmr:z</i>
Delivered By: <i>Cliff Brunson</i>	Sampler - UPS - Bus - Other: <i>#113 29</i>	Sample Condition: <input checked="" type="checkbox"/> Intact	CHECKED BY: <i>mmr:z</i>
		Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	
		Sample Condition: <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.7899

Company Name: BBC International, Inc. **BILL TO** ANALYSIS REQUEST

Project Manager: Cliff Brunson P.O. #: Company: OXY

Address: P.O. Box 805 State: NM Zip: 88241 Attn: WADE

City: Hobbs Phone #: 575-397-6388 Fax #: 575-397-0397 Address:

Project #: Project Owner: Oxy City: State: Zip:

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

Project Location: Eddy County NM

Sampler Name: Simon Rendon

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H21081	SP12 SURFACE	G	1						3/29/21	2:32 PM	✓	✓	✓	
	57 SP12 1'								3/29/21	2:41 PM	✓	✓	✓	
	58 SP12 2'								3/29/21	2:52 PM	✓	✓	✓	
	60 SP12 3'								3/29/21	3:04 PM	✓			

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Relinquished By: *[Signature]* Date: 3-31-21 Received By: *[Signature]* Date: 3-31-21

Time: 8:30 AM Time: 4:45 PM

Delivered By: (Circle One) UPS Bus Other: #113 2-9

Sample Condition: Cool Intact Yes No

CHECKED BY: *[Signature]* (Initials) *mm*

REMARKS:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.8099

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:
Project Manager: Cliff Brunson		Company: OXY
Address: P.O. Box 805		Attn: WADE
City: Hobbs		Address:
State: NM Zip: 88241		City:
Phone #: 575-397-6388		State:
Fax #: 575-397-0397		Zip:
Project #: Sundance FED CTB (2/18/21)		Project Owner: Oxy
Project Name: Sundance FED CTB (2/18/21)		Phone #:
Project Location: Eddy County NM		Fax #:
Sampler Name: Simon Rendon		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	BTEX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H210811		G	1											
67	SP13 SURFACE								3/30/21	9:00 AM	✓	✓	✓	
68	SP13 1'								3/30/21	9:14 AM	✓	✓	✓	
63	SP13 2'								3/30/21	9:29 AM	✓	✓	✓	
64	SP13 3'								3/30/21	9:43 AM	✓	✓	✓	
65	SP13 4'								3/30/21	10:01 AM	✓	✓	✓	
66	SP14 SURFACE								3/30/21	10:16 AM	✓	✓	✓	
67	SP14 1'								3/30/21	10:29 AM	✓	✓	✓	
68	SP14 2'								3/30/21	10:43 AM	✓	✓	✓	
69	SP14 3'								3/30/21	10:54 AM	✓	✓	✓	
70	SP14 4'								3/30/21	11:12 AM	✓	✓	✓	

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

Relinquished By: <i>Simon Rendon</i>	Date: 3-31-21	Received By: <i>Yvonne Meriz</i>	Date: 3-31-21
Time: 6:00 AM		Time: 4:00 PM	
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other	#113 29	Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Hot <input type="checkbox"/> Wet <input type="checkbox"/> Dry	CHECKED BY: <i>Yvonne Meriz</i> (Initials)

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

P.999

BILL TO

ANALYSIS REQUEST

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	Address:
Phone #: 575-397-6388	Fax #: 575-397-0397	City:
Project #:	Project Owner: Oxy	State:
Project Name: Sundance FED CTB (2/18/21)		Zip:
Project Location: Eddy County NM		Phone #:
Sample Name: Simon Rendon		Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTX	TPH EXT
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H210811	SP14 5'	G	1						3/30/21	11:21AM	✓	✓	
	SP15 SURFACE								3/30/21	11:30AM	✓	✓	
	SP15 1'								3/30/21	11:38AM	✓	✓	
	SP15 2'								3/30/21	11:51AM	✓	✓	
	SP15 3'								3/30/21	12:04PM	✓	✓	
	SP15 4'								3/30/21	12:15PM	✓	✓	

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

Refiniquished By: <i>Simon Rendon</i>	Date: 3-31-21	Received By: <i>Sharon Muric</i>	Time: 8:00 AM
Refiniquished By: <i>Sharon Muric</i>	Date: 3-31-21	Received By: <i>Sharon Muric</i>	Time: 4:45 PM
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <input checked="" type="checkbox"/> UPS	#113 2-9	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>Sharon Muric</i> (Initials) <i>SM</i>

* 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:

Form C-141

State of New Mexico
Oil Conservation Division

Page 5

Incident ID	nAPP210646400
District RP	
Facility ID	
Application ID	

Remediation Plan

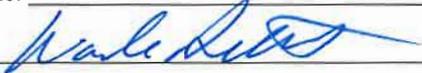
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- 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 Approved

Signature: 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 1/2 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 1/2 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