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DELINEATION/REMEDATION WORKPLAN

OXY – SAND DUNES S. CORRIDOR N. WATER POLISHING CTB (Leak Date: 2/24/21)

Incident ID: NAPP210565580

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NAPP210565580.

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 – SP10 (BLUE shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP11 – SP13 (ORANGE shade on diagram) will be excavated to a depth of 4 feet with a liner. OXY requests a variance per 19.15.29.14 NMAC to install an impermeable liner (20 mil plastic) into the bottom of the excavation. This variance is requested due to the safety concerns of a deeper excavation and the liner will be protective of further migration of the chloride impact. The leak area near SP14 (PURPLE shade on diagram) will require zero remediation.

In addition, OXY requests to collect only sidewall confirmation samples every 300 square feet since there will an impermeable liner in the bottom and deeper sample data exists in this report. The estimated amount of soil to be excavated is 913 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.

ENVIRONMENTAL CONSULTING AND REMEDIATION SERVICES
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Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NAPP2105655800
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?	475 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 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 I of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NAPP2105655800
District RP	
Facility ID	
Application ID	

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

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 5-14-21
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NAPP2105655800
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: 5-14-21
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-Sand Dunes S. Corridor N. Water Polishing CTB

Leak Date: 2-24-21
Incident ID: NAPP210565580

Legend

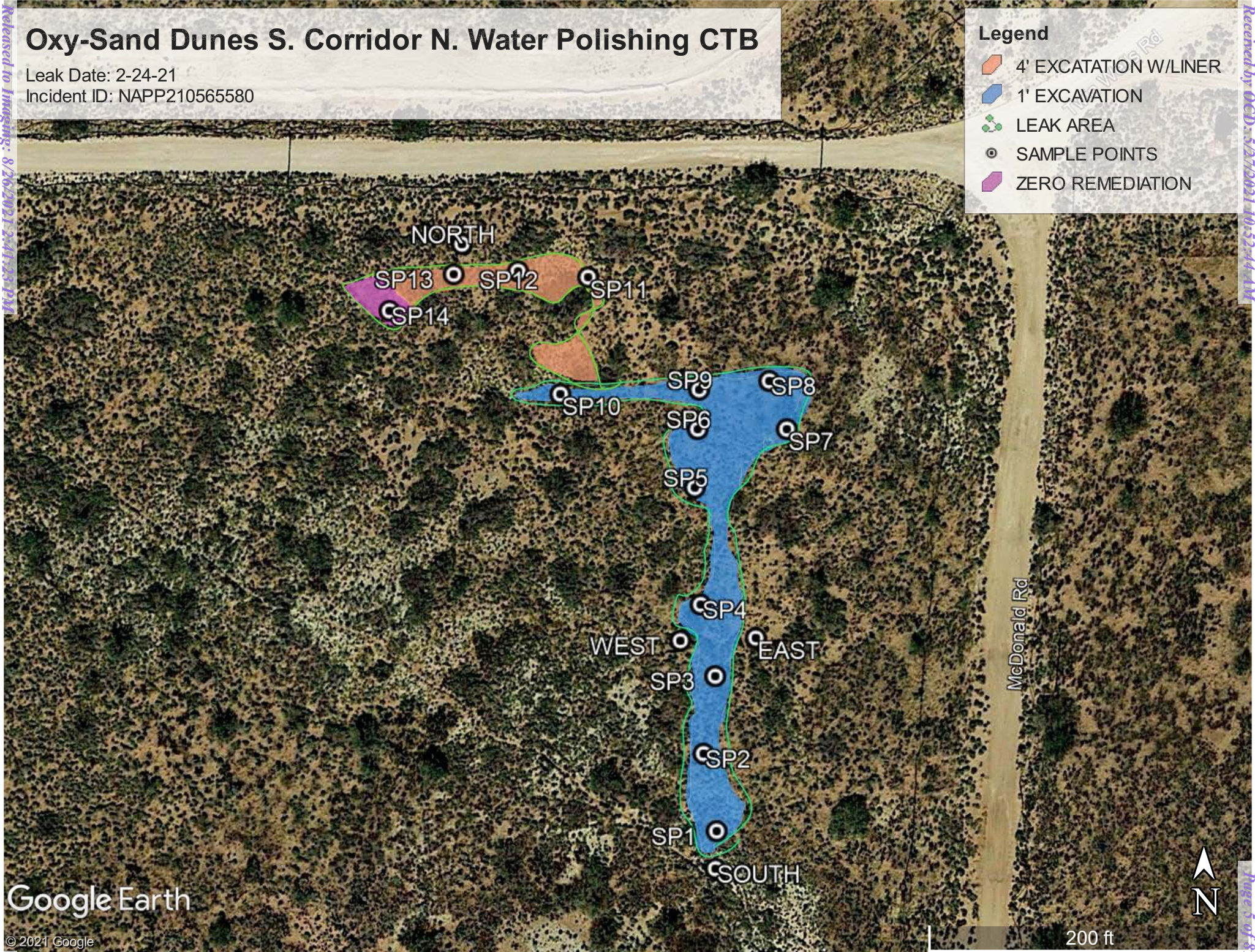
4' EXCATATION W/LINER

1' EXCAVATION

LEAK AREA

SAMPLE POINTS

ZERO REMEDIATION



Google Earth

© 2021 Google

200 ft



Received by OCD: 5/27/2021 10:52:44 AM

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SAND DUNES S. CORRIDOR N. WATER POLISHING CTB(2-24-21)**SAMPLE POINTS(GPS)**

LATITUDE	LONGITUDE
SP1 N 32.246600°	W -103.786024°
SP2 N 32.246732°	W -103.786051°
SP3 N 32.246864°	W -103.786027°
SP4 N 32.246986°	W -103.786057°
SP5 N 32.247185°	W -103.786068°
SP6 N 32.247284°	W -103.786063°
SP7 N 32.247284°	W -103.785883°
SP8 N 32.247366°	W -103.785918°
SP9 N 32.247352°	W -103.786060°
SP10 N 32.247344°	W -103.786345°
SP11 N 32.247543°	W -103.786283°
SP12 N 32.247553°	W -103.786424°
SP13 N 32.247548°	W -103.786554°
SP14 N 32.247486°	W -103.786683°



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Data Category:
Groundwater

Geographic Area:
New Mexico

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Groundwater levels for New Mexico

Click to hide state-specific text

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 321034103465501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321034103465501 24S.31E.33.231113

Eddy County, New Mexico

Latitude 32°10'38.2", Longitude 103°46'53.0" NAD83

Land-surface elevation 3,461.00 feet above NGVD29

The depth of the well is 740 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 measu
1959-03-12		D	62610		2986.75	NGVD29	1	Z		
1959-03-12		D	62611		2988.49	NAVD88	1	Z		
1959-03-12		D	72019	474.25			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.

Section	Code	Description
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

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



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

Page Last Modified: 2021-04-22 12:11:07 EDT

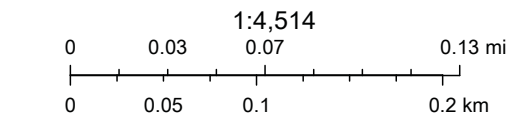
0.37 0.32 nadww01

OCD Oxy, Sand Dunes S Corridor N Water Polishing CTB (2-24-21)



5/13/2021, 3:09:31 PM

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



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


New Mexico Oil Conservation Division


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

Oxy Sand Dunes S. Corridor N. Water Polishing CTB

Leak Date: 2-24-21
Incident Date: NAPP210565580

Legend

 Leak Area

 Low

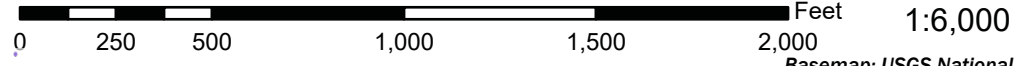
BLM CAVE KARST MAP



National Flood Hazard Layer FIRMette



103°47'28"W 32°15'4"N



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

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone X
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		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
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
MAP PANELS		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 12:06 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.

Refused to Image: 8/26/2021 2:41:33 PM

Received by OCD: 5/3/2021 10:52:44 AM

Laboratory Analytical Results Summary
Oxy, Sand Dunes S. Corridor N. Water Polishing CTB (2-24-21)

		Sample ID	SP - N	SP - E	SP - W	SP - S
Analyte	Method	Date	4/5/20	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	16.0	16.0	64.0
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'
Analyte	Method	Date	4/5/20	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		31600	224	384	32
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		34.2	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		44000	48.0	176.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'
Analyte	Method	Date	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		24800	48	112
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, Sand Dunes S. Corridor N. Water Polishing CTB (2-24-21)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'
Analyte	Method	Date	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		1960	32	32
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'
Analyte	Method	Date	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		40400	64	80
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		8240	<10.0	n/a
EXT DRO	TPH 8015M		1840	<10.0	n/a

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'
Analyte	Method	Date	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		89600	144	32
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		54.5	<10.0	n/a
EXT DRO	TPH 8015M		22.1	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, Sand Dunes S. Corridor N. Water Polishing CTB (2-24-21)

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	4/5/20	4/5/20	4/5/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		20200	160	48
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		22500	<10.0	n/a
EXT DRO	TPH 8015M		5530	<10.0	n/a

		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'
Analyte	Method	Date	4/6/20	4/6/20	4/6/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		34800	80	48
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		32.8	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'
Analyte	Method	Date	4/6/20	4/6/20	4/6/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		13600	496	80
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		129	<10.0	n/a
EXT DRO	TPH 8015M		41.8	<10.0	n/a

Laboratory Analytical Results Summary
Oxy, Sand Dunes S. Corridor N. Water Polishing CTB (2-24-21)

		Sample ID	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'
Analyte	Method	Date	4/6/20	4/6/20	4/6/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		23600	64	96
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a

		Sample ID	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'	SP11 @ 3'	SP11 @ 4'	SP11 @ 5'	SP11 @ 6'	SP11 @ 7'	SP11 @ 8'
Analyte	Method	Date	4/6/20	4/6/20	4/6/20	4/6/20	4/6/20	4/6/20	4/6/20	4/6/20	4/6/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		4960	6400	3560	3600	14400	3800	1150	48	16
GRO	TPH 8015M		<10.0	<10.0	<10.0	n/a	n/a	n/a	<10.0	n/a	n/a
DRO	TPH 8015M		133	<10.0	<10.0	n/a	n/a	n/a	<10.0	n/a	n/a
EXT DRO	TPH 8015M		25.1	<10.0	<10.0	n/a	n/a	n/a	<10.0	n/a	n/a

		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'	SP12 @ 3'	SP12 @ 4'	SP12 @ 5'	SP12 @ 6'	SP12 @ 7'	SP12 @ 8'	SP12 @ 9'
Analyte	Method	Date	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		6960	3200	7840	9800	7600	8720	1230	3840	160	144
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		36.2	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

Laboratory Analytical Results Summary
Oxy, Sand Dunes S. Corridor N. Water Polishing CTB (2-24-21)

		Sample ID	SP13 @ Surface	SP13 @ 1'	SP13 @ 2'	SP13 @ 3'	SP13 @ 4'	SP13 @ 5'	SP13 @ 6'	SP13 @ 7'	SP13 @ 8'	SP13 @ 9'
Analyte	Method	Date	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20	4/7/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Chloride	SM4500Cl-B		288	4480	7200	6560	5840	6720	3200	1420	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a	n/a	n/a	n/a	n/a

		Sample ID	SP14 @ Surface	SP14 @ 1'	SP14 @ 2'
Analyte	Method	Date	4/7/20	4/7/20	4/7/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a
Chloride	SM4500Cl-B		176	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a



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

April 16, 2021

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SAND DUNES S CORRIDOR N WATER POLISHING

Enclosed are the results of analyses for samples received by the laboratory on 04/12/21 10:15.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - N (H210912-01)

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	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTEX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - E (H210912-02)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48		
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - W (H210912-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - S (H210912-04)

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	04/15/2021	ND	2.09	105	2.00	2.48		
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34		
Total BTEx	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 1 @ SURFACE (H210912-05)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	31600	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	34.2	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 1 @ 1' (H210912-06)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48		
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 125 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 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:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 1 @ 2' (H210912-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/14/2021	ND	416	104	400	0.00	

Sample ID: SP - 1 @ 3' (H210912-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/14/2021	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 2 @ SURFACE (H210912-09)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	44000	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 122 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 2 @ 1' (H210912-10)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48		
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 2 @ 2' (H210912-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/14/2021	ND	416	104	400	0.00		

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Analytical Results For:

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Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 3 @ SURFACE (H210912-12)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	24800	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 3 @ 1' (H210912-13)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48		
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 118 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 3 @ 2' (H210912-14)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/14/2021	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:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 4 @ SURFACE (H210912-15)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 109 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 4 @ 1' (H210912-16)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/14/2021	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	04/13/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/13/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/13/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 120 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 4 @ 2' (H210912-17)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/14/2021	ND	416	104	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 5 @ SURFACE (H210912-18)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/16/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	40400	16.0	04/14/2021	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*	<10.0	10.0	04/14/2021	ND	236	118	200	0.327	
DRO >C10-C28*	8240	10.0	04/14/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	1840	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 384 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 5 @ 1' (H210912-19)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48		
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/14/2021	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	04/14/2021	ND	236	118	200	0.327	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 129 % 44.3-144

Surrogate: 1-Chlorooctadecane 126 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 5 @ 2' (H210912-20)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/14/2021	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:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 6 @ SURFACE (H210912-21)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	89600	16.0	04/14/2021	ND	416	104	400	3.77	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	04/14/2021	ND	236	118	200	0.327	
DRO >C10-C28*	54.5	10.0	04/14/2021	ND	239	119	200	2.93	
EXT DRO >C28-C36	22.1	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 6 @ 1' (H210912-22)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/15/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/14/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 114 % 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:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 6 @ 2' (H210912-23)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/14/2021	ND	416	104	400	3.77		

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 7 @ SURFACE (H210912-24)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/16/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	20200	16.0	04/14/2021	ND	416	104	400	3.77		

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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	22500	50.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	5530	50.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 125 % 44.3-144

Surrogate: 1-Chlorooctadecane 875 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 7 @ 1' (H210912-25)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/16/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/05/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 7 @ 2' (H210912-26)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/14/2021	ND	416	104	400	3.77	

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 8 @ SURFACE (H210912-27)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.09	105	2.00	2.48	
Toluene*	<0.050	0.050	04/16/2021	ND	2.13	106	2.00	1.30	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	1.14	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.60	110	6.00	1.34	
Total BTX	<0.300	0.300	04/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	34800	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	32.8	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 8 @ 1' (H210912-28)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2021	ND	2.09	105	2.00	2.48		
Toluene*	<0.050	0.050	04/16/2021	ND	2.13	106	2.00	1.30		
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	1.14		
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.60	110	6.00	1.34		
Total BTX	<0.300	0.300	04/16/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 8 @ 2' (H210912-29)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/14/2021	ND	416	104	400	3.77		

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 9 @ SURFACE (H210912-30)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13600	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	129	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	41.8	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 9 @ 1' (H210912-31)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61	
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	04/14/2021	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 140 % 44.3-144

Surrogate: 1-Chlorooctadecane 137 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 9 @ 2' (H210912-32)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/14/2021	ND	416	104	400	3.77		

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 10 @ SURFACE (H210912-33)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61	
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23600	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 115 % 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:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 10 @ 1' (H210912-34)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 10 @ 2' (H210912-35)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/14/2021	ND	416	104	400	3.77	

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 11 @ SURFACE (H210912-36)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	133	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	25.1	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 114 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 11 @ 1' (H210912-37)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 11 @ 2' (H210912-38)

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	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTEx	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3560	16.0	04/14/2021	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 115 % 44.3-144

Surrogate: 1-Chlorooctadecane 113 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 11 @ 3' (H210912-39)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	04/14/2021	ND	416	104	400	3.77		

Sample ID: SP - 11 @ 4' (H210912-40)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14400	16.0	04/14/2021	ND	416	104	400	3.77	

Sample ID: SP - 11 @ 5' (H210912-41)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	04/14/2021	ND	416	104	400	0.00		

Sample ID: SP - 11 @ 6' (H210912-42)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	04/14/2021	ND	416	104	400	0.00	

Sample ID: SP - 11 @ 7' (H210912-43)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/14/2021	ND	416	104	400	0.00	

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 11 @ 8' (H210912-44)**Chloride, SM4500Cl-B****mg/kg****Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/14/2021	ND	416	104	400	0.00	

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 Fax To: (575) 397-0397

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 12 @ SURFACE (H210912-45)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61	
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44	
Total BTX	<0.300	0.300	04/15/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	36.2	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 12 @ 1' (H210912-46)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 12 @ 2' (H210912-47)

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	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTEx	<0.300	0.300	04/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7840	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 12 @ 3' (H210912-48)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/06/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 12 @ 4' (H210912-49)

Chloride, SM4500Cl-B		mg/ kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	04/14/2021	ND	416	104	400	0.00		

Sample ID: SP - 12 @ 5' (H210912-50)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8720	16.0	04/14/2021	ND	416	104	400	0.00		

Sample ID: SP - 12 @ 6' (H210912-51)

Chloride, SM4500Cl-B		mg / kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	04/14/2021	ND	416	104	400	0.00		

Sample ID: SP - 12 @ 7' (H210912-52)

Chloride, SM4500Cl-B		mg/ kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	04/14/2021	ND	416	104	400	0.00	

Sample ID: SP - 12 @ 8' (H210912-53)

Chloride, SM4500Cl-B		mg / kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/14/2021	ND	416	104	400	0.00	

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

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 12 @ 9' (H210912-54)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/14/2021	ND	416	104	400	0.00		

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 13 @ SURFACE (H210912-55)

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	04/15/2021	ND	2.23	112	2.00	3.61	
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44	
Total BTEx	<0.300	0.300	04/15/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 13 @ 1' (H210912-56)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4480	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 13 @ 2' (H210912-57)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 13 @ 3' (H210912-58)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	04/14/2021	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	04/14/2021	ND	237	118	200	0.738	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	246	123	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 13 @ 4' (H210912-59)

Chloride, SM4500Cl-B		mg/ kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	04/14/2021	ND	416	104	400	0.00		

Sample ID: SP - 13 @ 5' (H210912-60)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6720	16.0	04/14/2021	ND	416	104	400	0.00		

Sample ID: SP - 13 @ 6' (H210912-61)

Chloride, SM4500Cl-B		mg / kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	04/14/2021	ND	400	100	400	3.92	QM-07	

Sample ID: SP - 13 @ 7' (H210912-62)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	04/14/2021	ND	400	100	400	3.92	

Sample ID: SP - 13 @ 8' (H210912-63)

Chloride, SM4500Cl-B		mg / kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/14/2021	ND	400	100	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:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 13 @ 9' (H210912-64)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/14/2021	ND	400	100	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:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 14 @ SURFACE (H210912-65)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61	
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/14/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	226	113	200	0.0402	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	253	127	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 14 @ 1' (H210912-66)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.23	112	2.00	3.61		
Toluene*	<0.050	0.050	04/15/2021	ND	2.15	108	2.00	4.34		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.13	107	2.00	4.53		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.35	106	6.00	4.44		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/14/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2021	ND	226	113	200	0.0402	
DRO >C10-C28*	<10.0	10.0	04/14/2021	ND	253	127	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	04/14/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Analytical Results For:

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

Received:	04/12/2021	Sampling Date:	04/07/2021
Reported:	04/16/2021	Sampling Type:	Soil
Project Name:	SAND DUNES S CORRIDOR N WATER PC	Sampling Condition:	Cool & Intact
Project Number:	(2/24/21)	Sample Received By:	Tamara Oldaker
Project Location:	OXY		

Sample ID: SP - 14 @ 2' (H210912-67)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/14/2021	ND	400	100	400	3.92		

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		
Project Manager: Cliff Brunson		Company:		
Address: P.O. Box 805		Attn:	049	
City: Hobbs		Address:		
State: NM Zip: 88241		City:		
Phone #: 575-397-6388 Fax #: 575-397-0397		State:	Zip:	
Project #: Project Owner: Oxy		Phone #:		
Project Name: SAND DUNES S CORRIDOR N. WATER POLISHING		Fax #:		
Project Location:		PRESERV	SAMPLING	
Sampler Name: SIMON RENDON				
FOR LAB USE ONLY				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	
4210912				
1 SP - N		GROUNDWATER	WASTEWATER	
2 SP - E		SOIL	OIL	
3 SP - W		SLUDGE	OTHER :	
4 SP - S		ACID/BASE:	ICE / COOL	
5 SP1 @ SURFACE		OTHER :		
6 SP1 @ 1'				
7 SP1 @ 2'				
8 SP1 @ 3'				
9 SP2 @ SURFACE				
10 SP2 @ 1'				
DATE		TIME	BTEX	PHLORIDE
4-5-2021	8:50 AM			
4-5-2021	9:04 AM			
4-5-2021	9:19 AM			
4-5-2021	9:27 AM			
4-5-2021	9:43 AM			
4-5-2021	9:58 AM			
4-5-2021	10:12 AM			
4-5-2021	10:28 AM			
4-5-2021	10:38 AM			
4-5-2021	10:53 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 successors arising out of or related to the performance of services hereunder by Cardinal. Inspection of whether such claim is based upon any of the above stated reasons or otherwise.				
Relinquished By:	Date: 4/18/21	Received By:		
Simon Rendón		Simon Rendón		
Relinquished By:	Date: 4-12-21	Received By:		
Simon Rendón		Simon Rendón		
Delivered By: (Circle One)	Time: 4:45 PM	Sample Condition		
UPS		Cool		
Bus		Intact		
Other		Yes		
		No		
		Checked By:		
		(Initials)		
		Phone Result:		
		Yes		
		No		
		Add'l Phone #:		
		Add'l Fax #:		
REMARKS:				

† 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

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		
Project Manager: Cliff Brunson		Company:		
Address: P.O. Box 805		Attn:		
City: Hobbs		Address:	OKY	
Phone #: 575-397-6388		City:		
Fax #: 575-397-0397		State:	Zip:	
Project #: SAND DUNES S CORRIDOR N. WATER POLISHING		Project Owner: Oxy		
Project Location:		Phone #:		
Sample Name: SIMON RENDON		Fax #:		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	B T E X	T P H L O R I D E	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					ACID/BASE:	ICE / COOL	OTHER :			
H810912	SP6 @ SURFACE	✓	1	✓							4-5-2021	2:07 PM	✓	✓	✓				
	SP6 @ 1'	✓	1	✓							4-5-2021	2:16 PM	✓	✓	✓				
	SP6 @ 2'	✓	1	✓							4-5-2021	2:28 PM	✓	✓	✓				
	SP7 @ SURFACE	✓	1	✓							4-5-2021	2:40 PM	✓	✓	✓				
	SP7 @ 1'	✓	1	✓							4-5-2021	3:10 PM	✓	✓	✓				
	SP7 @ 2'	✓	1	✓							4-6-2021	9:05 AM	✓	✓	✓				
	SP8 @ SURFACE	✓	1	✓							4-6-2021	9:16 AM	✓	✓	✓				
	SP8 @ 1'	✓	1	✓							4-6-2021	9:27 AM	✓	✓	✓				
	SP8 @ 2'	✓	1	✓							4-6-2021	9:45 AM	✓	✓	✓				
	SP9 @ SURFACE	✓	1	✓							4-6-2021	9:45 AM	✓	✓	✓				

Relinquished By: <i>[Signature]</i>	Date: 4/19/21	Time: 4:45 PM	Received By: <i>[Signature]</i>	Date: 4-19-21	Time: 4:45 PM
Delivered By: (Circle One)	UPS	Bus	Other	-7.16	#113
Sampler - UPS - Bus - Other:	UPS	Bus	Other	-7.16	#113
Sample Condition	Intact	Yes	No	Yes	No
Cool	Intact	Yes	No	Yes	No
CHECKED BY: (Initials)	✓				
Phone Result:	Yes	No	Add'l Phone #:		
Fax Result:	Yes	No	Add'l Fax #:		
REMARKS:					

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: BBC International, Inc.		P.O. #:		
Project Manager: Cliff Brunson		Company:		
Address: P.O. Box 805		Attn:		
City: Hobbs		Address:	D ⁹	
Phone #: 575-397-6388		Fax #:	575-397-0397	
Project #:		City:		
Project Name: SAND DUNES S CORRIDOR N. WATER POLISHING		State:	Zip:	
Project Location:		Phone #:		
Sampler Name: SIMON RENDON		Fax #:		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	CHLORIDE	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :						ACID/BASE:
4610912	SP9 @ 1'	C	1												
31	SP9 @ 2'	C	1												
33	SP10 @ SURFACE	C	1												
33	SP10 @ SURFACE	C	1												
34	SP10 @ 1'	C	1												
35	SP10 @ 2'	C	1												
36	SP11 @ SURFACE	C	1												
37	SP11 @ 1'	C	1												
38	SP11 @ 2'	C	1												
39	SP11 @ 3'	C	1												
40	SP11 @ 4'	C	1												

Relinquished By: <i>Simon Rendón</i>	Date: 4/9/21	Time: 4:45 PM	Received By: <i>David Flores</i>	Date: 4-12-21	Time: 10:15
Delivered By: (Circle One) <i>Cardinal</i>	UPS - Bus - Other: <i>-7.1c #113</i>	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>David Flores</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: <input type="checkbox"/> Yes <input type="checkbox"/> No
REMARKS:					

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

- + Cardinal cannot accept verbal changes. Please idk without changes to the text



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.										BILL TO										ANALYSIS REQUEST									
Project Manager: Cliff Brunson										P.O. #:																			
Address: P.O. Box 805										Company:																			
City: Hobbs										Attn:																			
State: NM Zip: 88241										Address:																			
Phone #: 575-397-6388 Fax #: 575-397-0397										City:																			
Project #:										State:										Zip:									
Project Name: SAND DUNES S CORRIDOR N. WATER POLISHING										Phone #:																			
Project Location:										Fax #:																			
Sampler Name: SIMON RENDON										MATRIX										SAMPLING									
<small>FOR LAB USE ONLY</small>										(G)RAB OR (C)OMP.										DATE									
										# CONTAINERS										TIME									
										GROUNDWATER																			
										WASTEWATER																			
										SOIL																			
										OIL																			
										SLUDGE																			
										OTHER :																			
										ACID/BASE:																			
										ICE / COOL																			
										OTHER :																			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	B T E X	T P H E X T	C H L O R I D E
H210912	SP12 @ 6	✓	1			✓					✓		4-7-2021	10:52 AM			✓
521	SP12 @ 7	✓	1			✓					✓		4-7-2021	11:12 AM			✓
522	SP12 @ 8	✓	1			✓					✓		4-7-2021	11:24 AM			✓
53	SP12 @ 9	✓	1			✓					✓		4-7-2021	11:39 AM			✓
54	SP13 @ SURFACE	✓	1			✓					✓		4-7-2021	11:52 AM			✓
55	SP13 @ 1'	✓	1			✓					✓		4-7-2021	12:44 PM			✓
56	SP13 @ 2'	✓	1			✓					✓		4-7-2021	12:57 PM			✓
57	SP13 @ 3'	✓	1			✓					✓		4-7-2021	1:10 PM			✓
58	SP13 @ 4'	✓	1			✓					✓		4-7-2021	1:23 PM			✓
59	SP13 @ 5'	✓	1			✓					✓		4-7-2021	1:31 PM			✓

PLEASE NOTE: Liability and Damages: Contractor'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. In no event shall Contractor be liable for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Contractor within 30 days after completion of the applicable service. In no event shall Contractor 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 Contractor, regardless of whether such claim is based upon any of the above stated remedies or otherwise.

Relinquished By:		Date: 4/9/21		Received By:		Date: 4/12-21		Time: 4:45 PM		Time: 4:15 PM	
<i>[Signature]</i>				<i>[Signature]</i>							
Relinquished By:		Date: 4/12-21		Received By:		Date: 4/12-21		Time: 4:15 PM		Time: 4:15 PM	
<i>[Signature]</i>				<i>[Signature]</i>							

Delivered By: (Circle One) ☒ UPS ☐ Bus ☐ Other

Sampler - UPS - Bus - Other: -7.1c #413

Sample Condition: Cool ☒ Intact ☐ Yes ☐ No ☐ No ☐ No

CHECKED BY: (Initials) *AE*

REMARKS:

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

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



ARDINAL LABORATORIES

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC International, Inc.				P.O. #:	
Project Manager: Cliff Brunson				Company:	
Address: P.O. Box 805				Attn:	
City: Hobbs				State: NM zip: 88241	
Phone #: 575-397-6388				Fax #: 575-397-0397	
Project #:				Project Owner: Oxy	
Project Name: SAND DUNES S CORRIDOR N. WATER POLISHING				City:	
Project Location:				State: Zip:	
Sampler Name: SIMON RENDON				Phone #:	
FOR LAB USE ONLY				Fax #:	

Lab I.D.	Sample I.D.	(G)GRAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME		B T E X	T P H E X T	C H L O R I D E	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							ACID/BASE:
H210912	SP13 @ 6'	C	1	<input checked="" type="checkbox"/>								4-7-2021	1:43 PM			
62	SP13 @ 7'	C	1	<input checked="" type="checkbox"/>								4-7-2021	1:55 PM			
63	SP13 @ 8'	C	1	<input checked="" type="checkbox"/>								4-7-2021	2:10 PM			
64	SP13 @ 9'	C	1	<input checked="" type="checkbox"/>								4-7-2021	2:18 PM			
65	SP14 @ SURFACE	C	1	<input checked="" type="checkbox"/>								4-7-2021	2:30 PM			
66	SP14 @ 1'	C	1	<input checked="" type="checkbox"/>								4-7-2021	2:41 PM			
67	SP14 @ 2'	C	1	<input checked="" type="checkbox"/>								4-7-2021	2:50 PM			

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

Relinquished By:	Date: 4/6/21	Received By:	Date: 4/13/21
<i>Simon Rendon</i>		<i>Graet Stone</i>	
Relinquished By:	Date: 4-13-21	Received By:	Date: 4-13-21
<i>Graet Stone</i>		<i>Juanita Delgado</i>	

Delivered By: (Circle One) ☒ Driver ☐ Other

Sampler - UPS - Bus - Other: ☒ 7.1c #113 ☐ Y-B

Sample Condition
Cool ☒ Intact ☒
☐ Yes ☐ No ☐ Yes ☐ No

CHECKED BY: (Initials) *T-D*

REMARKS:

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

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

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2105655800
District RP	
Facility ID	
Application ID	

Remediation Plan

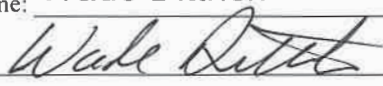
Remediation Plan Checklist: Each of the following items must be included in the plan.

- ☒ 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: 5-14-21
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD OnlyReceived by: Robert Hamlet Date: 8/26/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature:  Date: 8/26/2021

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 29718

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 29718
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The variance request for the sidewall confirmation samples every 300 ft2 is approved. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. The liner should only be installed at 4 feet if soil contaminant levels meet Table 1 closure standards for depth to water determination.	8/26/2021