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E-MAIL: cbrunson@bbcinternational.com

DELINEATION/REMEDIATION WORKPLAN

OXY – Pluma 29 St 1 Battery (Leak Date: 1/2/20)

Incident ID: NVV2003150585

This delineation workplan and remediation proposal addresses the releases associated with Incident ID #NVV2003150585.

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, and/or copy of Chevron groundwater trend map).
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, SP5, and SP6 (PURPLE shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP2 and SP7 (GREEN shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP3 (YELLOW shade on diagram) will be excavated to a depth of 5 feet. The leak area near SP4 (ORANGE shade on diagram) will be excavated to a depth of 3 feet. The leak area near SP8 – SP16 (BLUE shade on diagram) will require zero remediation.

Bottom confirmation samples will be collected every 75 feet. The estimated amount of soil to be excavated is 1,204 cubic yards. Remediation activities will commence within 90 days of all approvals.

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

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

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NVV2003150585
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?	234 (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 ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

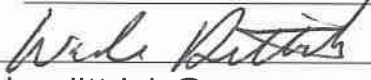
Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	NVV2003150585
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: 7-17-20
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	NVV2003150585
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: 7-17-20
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

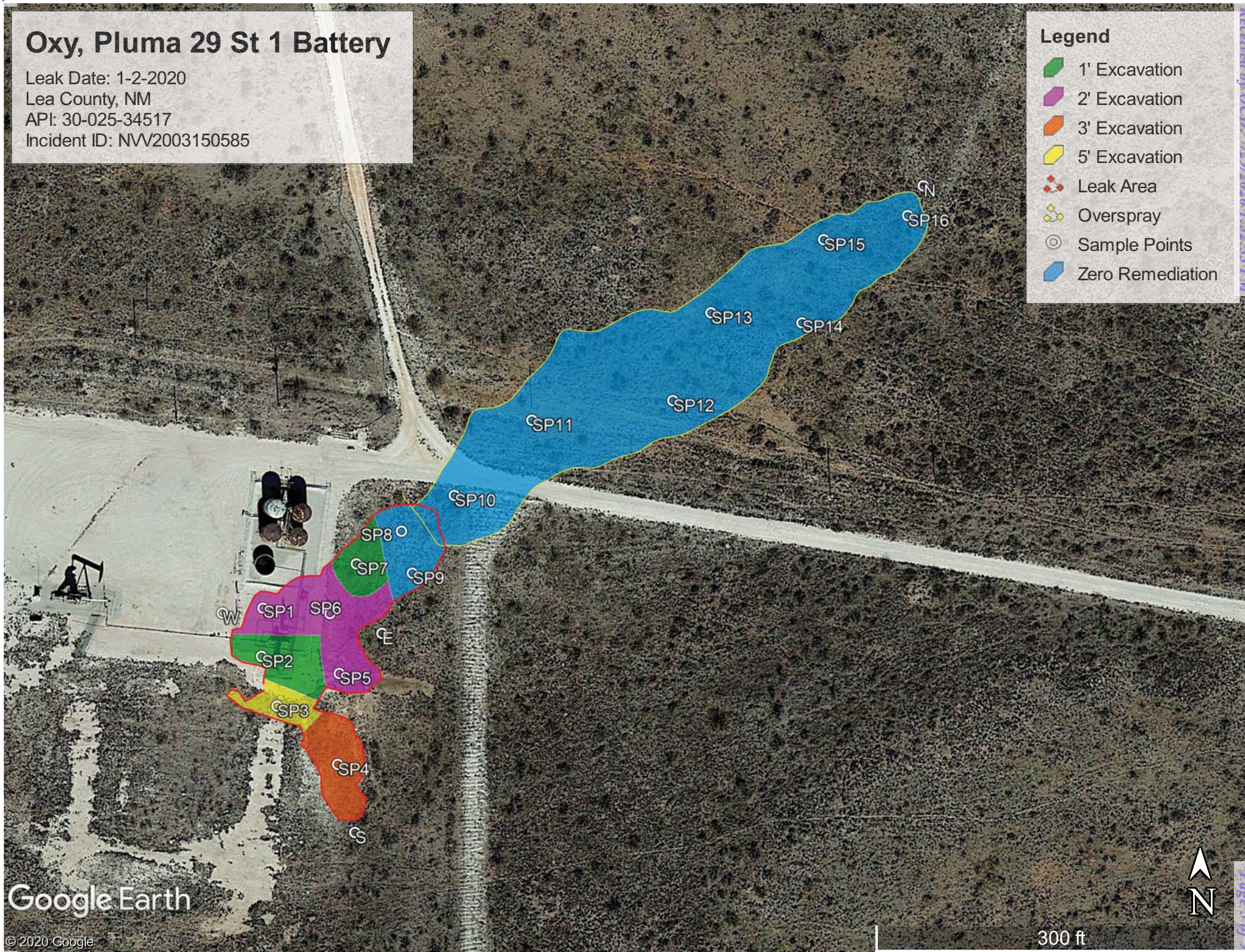
Signature: _____ Date: _____

Oxy, Pluma 29 St 1 Battery

Leak Date: 1-2-2020
Lea County, NM
API: 30-025-34517
Incident ID: NVV2003150585

Legend

- 1' Excavation
- 2' Excavation
- 3' Excavation
- 5' Excavation
- Leak Area
- Overspray
- Sample Points
- Zero Remediation



Google Earth

© 2020 Google

300 ft



Oxy, Pluma 29 St. 1 Battery (1-2-20)

Sample points

SP1, N 32.98879 W-103.73682

SP2, N 32.98869 W-103.73682

SP3, N 32.98858 W-103.73678

SP4, N 32.98845 W-103.73662

SP5, N 32.98865 W-103.73662

SP6, N 32.98878 W-103.73664

SP7, N 32.98889 W-103.73657

SP8, N 32.98897 W-103.73645

SP9, N 32.98887 W-103.73643

SP10, N 32.98904 W-103.73631

SP11, N 32.98921 W-103.73611

SP12, N 32.98925 W-103.73574

SP13, N 32.98945 W-103.73564

SP14, N 32.98943 W-103.73540

SP15, N 32.98961 W-103.73534

SP16, N 32.98966 W-103.73512

NORTH, N 32.98973 W-103.73508

EAST, N 32.98874 W-103.73651

WEST, N 32.98878 W-103.73693

SOUTH, N 32.98830 W-103.73658



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

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- Introducing The Next Generation of USGS Water Data for the Nation
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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 325846103435401

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 325846103435401 15S.32E.29.44441

Lea County, New Mexico
Latitude 32°58'52.4", Longitude 103°43'54.8" NAD83
Land-surface elevation 4,314.80 feet above NGVD29
The depth of the well is 348 feet below land surface.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurment
1961-01-19			D	220.58			2		U	
1966-02-14			D	222.57			2		U	
1971-04-01			D	226.05			2		U	
1976-04-01			D	230.66			2		U	
1981-01-28			D	234.46			2		U	
1986-01-09			D	234.60			2		U	
1990-12-05			D	232.81			2		U	
1996-01-09			D	233.28			2		S	
2001-02-16			D	234.76			2		S	
2006-02-16	10:51 MST	m		234.05			2		S	USGS
2010-12-11	15:00 MST	m		234.29			2		S	USGS
2016-02-02	13:40 MST	m		234.89			2		S	USGS

Explanation

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

Section	Code	Description
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Source of measurement	U	Source is unknown.
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?>

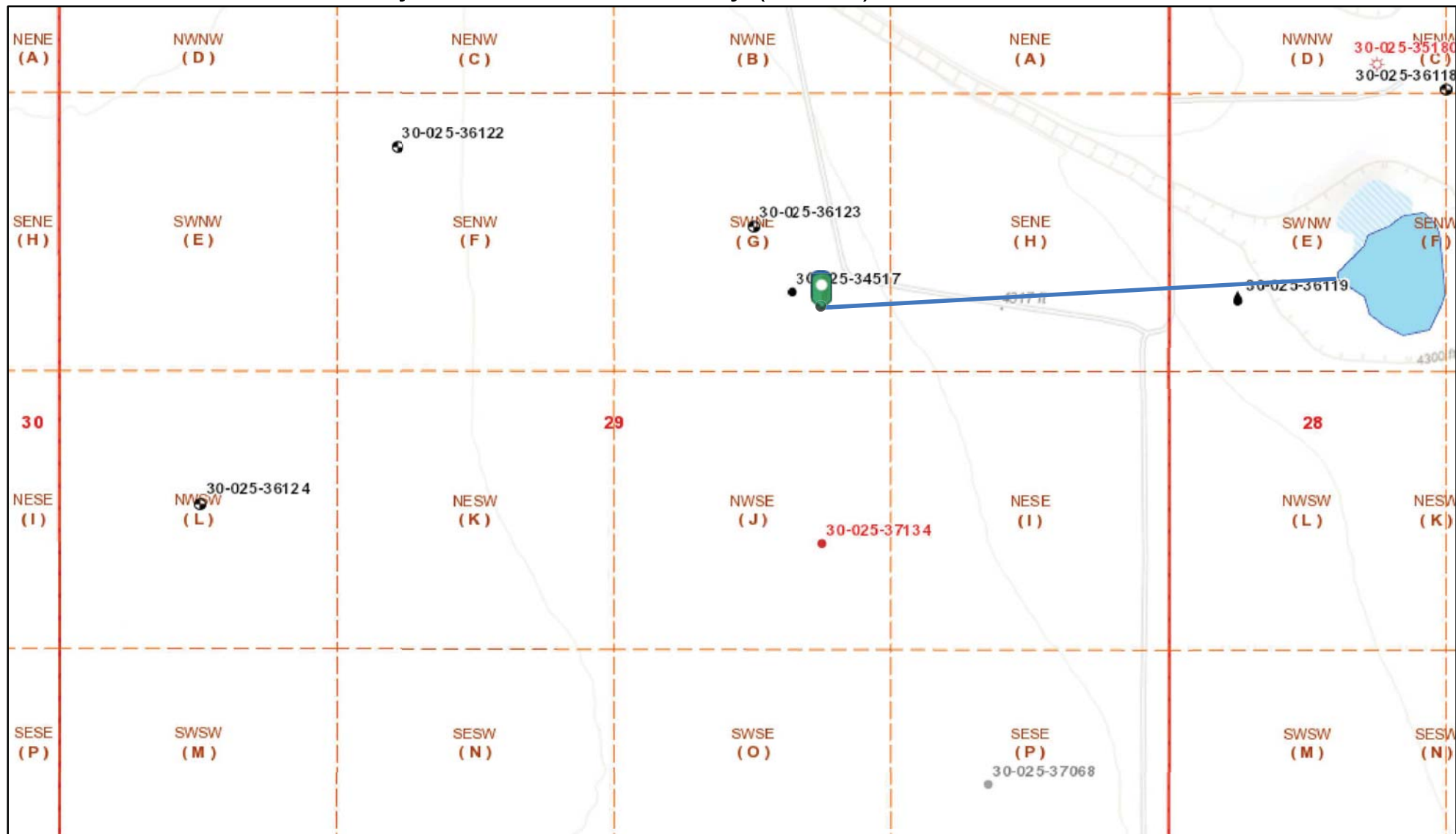


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-01-08 13:10:18 EST

0.22 0.19 nadww02

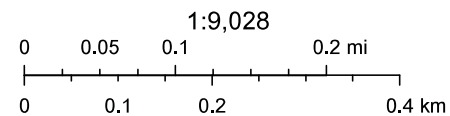
Oxy Pluma 29 St 1 Battery (1-2-20) 2,450 ft to h2o



7/21/2020 2:21:33 PM

Wells - Large Scale

- | | | | |
|---|------------------|------------------------------|----------------------|
| ☼ CO ₂ , Cancelled | ☼ Gas, Active | ☼ Gas, Temporarily Abandoned | ☼ Injection, Plugged |
| ☼ undefined | ☼ Gas, Cancelled | ☼ Injection, Active | |
| ☼ Miscellaneous | ☼ Gas, New | ☼ Injection, Cancelled | |
| ☼ CO ₂ , Active | ☼ Gas, Plugged | ☼ Injection, New | |
| ☼ CO ₂ , Temporarily Abandoned | | | |



Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c)

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, Pluma 29 St 1 Battery

Leak Date: 1-2-2020
Lea County, NM
API: 30-025-34517
Incident ID: NVV2003150585

BLM CAVE KARST MAP

Legend

-  Leak Area
-  Low Potential
-  Overspray

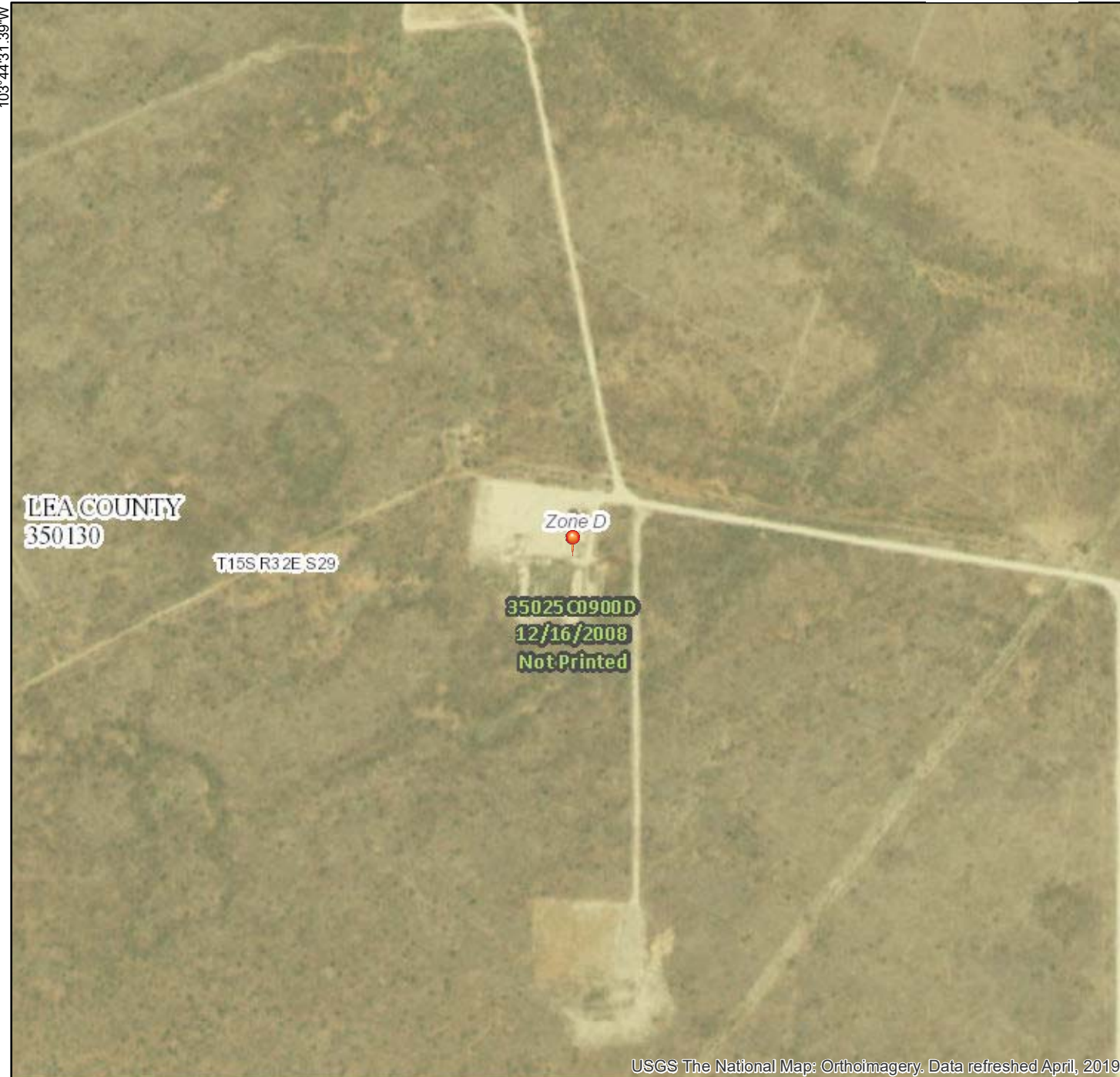
Received by OCD: 7/29/2020 1:52:33 PM



National Flood Hazard Layer FIRMette



32°59'34.66"N



USGS The National Map: Orthoimagery. Data refreshed April, 2019.

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

32°59'4.48"N

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
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/10/2020 at 1:00:14 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

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Laboratory Analytical Results Summary
Oxy, Pluma 29 St 1 Battery (1-02-20)

		Sample ID	North @ Surface	East @ Surface	West @ Surface	South @ Surface
Analyte	Method	Date	2/17/20	2/17/20	2/17/20	2/17/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.078	0.243	<0.050	0.197
Ethylbenzene	BTEX 8021B		1.160	0.192	<0.050	0.201
Total Xylenes	BTEX 8021B		0.430	0.494	<0.150	0.584
Total BTEX	BTEX 8021B		0.668	0.929	<0.300	0.982
Chloride	SM4500Cl-B		<16.0	<16.0	160	<16.0
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'
Analyte	Method	Date	2/17/20	2/17/20	2/17/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		1.5	0.190	0.053
Toluene	BTEX 8021B		13.3	3.14	0.538
Ethylbenzene	BTEX 8021B		5.6	2.28	0.488
Total Xylenes	BTEX 8021B		31.3	12.8	2.37
Total BTEX	BTEX 8021B		51.7	18.4	3.45
Chloride	SM4500Cl-B		832	272	176
GRO	TPH 8015M		893	38.7	17.5
DRO	TPH 8015M		12600	164	272
EXT DRO	TPH 8015M		2300	<10.0	19.7

		Sample ID	SP2 @ Surface	SP2 @ 1'	SP2 @ 2'
Analyte	Method	Date	2/17/20	2/17/20	2/17/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.500	<0.050	<0.050
Toluene	BTEX 8021B		4.99	0.175	0.104
Ethylbenzene	BTEX 8021B		7.14	0.104	0.081
Total Xylenes	BTEX 8021B		29.4	0.687	0.932
Total BTEX	BTEX 8021B		41.5	0.966	1.12
Chloride	SM4500Cl-B		224	144	240
GRO	TPH 8015M		340	<10.0	<10.0
DRO	TPH 8015M		2670	<10.0	114
EXT DRO	TPH 8015M		392	<10.0	11.9

		Sample ID	SP3 @ Surface	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'	SP3 @ 7'	SP3 @ 8'	SP3 @ 9'	SP3 @ 10'	SP3 @ 11'
Analyte	Method	Date	2/17/20	2/17/20	2/17/20	2/17/20	2/17/20	2/17/20	2/17/20	2/18/20	2/18/20	2/18/20	2/18/20	2/18/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		10.1	0.955	0.374	<0.050	<0.050	1.18	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		117	21.2	7.52	0.143	0.102	40.3	0.051	0.062	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		84.5	24.1	10.9	0.458	0.069	43	0.174	0.094	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		205	62.0	20.5	1.32	<0.150	113	0.967	0.687	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		417	108	39.2	1.92	<0.300	197	1.19	0.843	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		480	528	496	768	320	320.0	208	224	64.0	80.0	64.0	64.0
GRO	TPH 8015M		5030	1900	812	15.7	<10.0	1930	19.8	13.4	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		50000	5280	3210	207	80.9	5590	342	300	63.6	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		10200	709	372	28.8	11.8	850	53.5	43.6	<10.0	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary
Oxy, Pluma 29 St 1 Battery (1-02-20)

		Sample ID	SP4 @ Surface	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'	SP4 @ 6'	SP4 @ 7'
Analyte	Method	Date	2/18/20	2/18/20	2/18/20	2/18/20	2/18/20	2/18/20	2/18/20	2/18/20
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		2.93	35.6	11.9	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		32.8	215	102	<0.050	<0.050	0.230	<0.050	<0.050
Ethylbenzene	BTEX 8021B		33.3	101	67.4	<0.050	<0.050	0.381	<0.050	<0.050
Total Xylenes	BTEX 8021B		91.2	219	165	<0.150	<0.150	1.37	<0.150	<0.150
Total BTEX	BTEX 8021B		160	571	346	<0.300	<0.300	1.98	<0.300	<0.300
Chloride	SM4500Cl-B		128	32.0	16.0	16.0	32.0	16.0	32.0	16.0
GRO	TPH 8015M		2770	7260	2850	<10.0	<10.0	27.2	<10.0	<10.0
DRO	TPH 8015M		51000	11800	5630	14.3	<10.0	360	92.0	<10.0
EXT DRO	TPH 8015M		10100	1900	816	<10.0	<10.0	47.7	11.4	<10.0

		Sample ID	SP5 @ Surface	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'
Analyte	Method	Date	2/18/20	2/18/20	2/18/20	2/18/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	0.218	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	1.82	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	0.670	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	1.17	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	3.88	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	256	32.0	16.0
GRO	TPH 8015M		<10.0	19.1	<10.0	<10.0
DRO	TPH 8015M		58.9	8190	<10.0	<10.0
EXT DRO	TPH 8015M		13.0	1720	<10.0	<10.0

		Sample ID	SP6 @ Surface	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
Analyte	Method	Date	2/18/20	2/18/20	2/25/20	2/26/20
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	0.121	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	0.950	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	0.362	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	0.837	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	2.27	<0.300	<0.300
Chloride	SM4500Cl-B		160	384	48.0	32.0
GRO	TPH 8015M		<10.0	<50.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	22900	22.4	<10.0
EXT DRO	TPH 8015M		<10.0	9170	<10.0	<10.0

		Sample ID	SP7 @ Surface	SP7 @ 1'	SP7 @ 2'
Analyte	Method	Date	2/25/20	2/25/20	2/25/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		48.0	16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		849	<10.0	<10.0
EXT DRO	TPH 8015M		269	<10.0	<10.0

Laboratory Analytical Results Summary
Oxy, Pluma 29 St 1 Battery (1-02-20)

		Sample ID	SP8 @ Surface	SP8 @ 1'	SP8 @ 2'
Analyte	Method	Date	2/25/20	2/25/20	2/25/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		15.4	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP9 @ Surface	SP9 @ 1'	SP9 @ 2'	SP9 @ 3'
Analyte	Method	Date	2/25/20	2/25/20	2/25/20	2/25/20
			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		16.0	<16.0	16.0	16.0
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	SP10 @ Surface	SP10 @ 1'	SP10 @ 2'
Analyte	Method	Date	2/25/20	2/25/20	2/25/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		30.1	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP11 @ Surface	SP11 @ 1'	SP11 @ 2'
Analyte	Method	Date	2/25/20	2/25/20	2/25/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	64.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	44.9	<10.0
EXT DRO	TPH 8015M		<10.0	12.4	<10.0

Laboratory Analytical Results Summary
Oxy, Pluma 29 St 1 Battery (1-02-20)

		Sample ID	SP12 @ Surface	SP12 @ 1'	SP12 @ 2'
Analyte	Method	Date	2/25/20	2/25/20	2/25/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		32.0	48.0	48.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP13 @ Surface	SP13 @ 1'	SP13 @ 2'
Analyte	Method	Date	2/26/20	2/26/20	2/26/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16.0	16.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP14 @ Surface	SP14 @ 1'	SP14 @ 2'
Analyte	Method	Date	2/26/20	2/26/20	2/26/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16.0	<16.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

		Sample ID	SP15 @ Surface	SP15 @ 1'	SP15 @ 2'
Analyte	Method	Date	2/26/20	2/26/20	2/26/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16.0	32.0	<16.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0

Laboratory Analytical Results Summary
Oxy, Pluma 29 St 1 Battery (1-02-20)

		Sample ID	SP16 @ Surface	SP16 @ 1'	SP16 @ 2'
Analyte	Method	Date	2/26/20	2/26/20	2/26/20
			mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	<16.0	32.0
GRO	TPH 8015M		<10.0	<10.0	<10.0
DRO	TPH 8015M		<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0



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

February 25, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLUMA 29 STATE #001

Enclosed are the results of analyses for samples received by the laboratory on 02/19/20 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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



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:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: NORTH @ SURFACE (H000525-01)

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	02/20/2020	ND	1.75	87.6	2.00	16.3	
Toluene*	0.078	0.050	02/20/2020	ND	1.78	88.8	2.00	16.2	
Ethylbenzene*	0.160	0.050	02/20/2020	ND	1.77	88.6	2.00	16.4	
Total Xylenes*	0.430	0.150	02/20/2020	ND	5.14	85.7	6.00	16.5	
Total BTEX	0.668	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	<16.0	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 80.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: EAST @ SURFACE (H000525-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/20/2020	ND	1.75	87.6	2.00	16.3		
Toluene*	0.243	0.050	02/20/2020	ND	1.78	88.8	2.00	16.2		
Ethylbenzene*	0.192	0.050	02/20/2020	ND	1.77	88.6	2.00	16.4		
Total Xylenes*	0.494	0.150	02/20/2020	ND	5.14	85.7	6.00	16.5		
Total BTEX	0.929	0.300	02/20/2020	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	<16.0	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: WEST@ SURFACE (H000525-03)

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	02/20/2020	ND	1.75	87.6	2.00	16.3		
Toluene*	<0.050	0.050	02/20/2020	ND	1.78	88.8	2.00	16.2		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.77	88.6	2.00	16.4		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.14	85.7	6.00	16.5		
Total BTX	<0.300	0.300	02/20/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SOUTH @ SURFACE (H000525-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2020	ND	1.75	87.6	2.00	16.3	
Toluene*	0.197	0.050	02/20/2020	ND	1.78	88.8	2.00	16.2	
Ethylbenzene*	0.201	0.050	02/20/2020	ND	1.77	88.6	2.00	16.4	
Total Xylenes*	0.584	0.150	02/20/2020	ND	5.14	85.7	6.00	16.5	
Total BTX	0.982	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	<16.0	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 1 @ SURFACE (H000525-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.50	0.500	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	13.3	0.500	02/20/2020	ND	1.96	97.9	2.00	6.60	QM-07
Ethylbenzene*	5.60	0.500	02/20/2020	ND	1.97	98.5	2.00	6.69	QM-07
Total Xylenes*	31.3	1.50	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	51.7	3.00	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	832	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	893	50.0	02/21/2020	ND	196	98.2	200	1.90		
DRO >C10-C28*	12600	50.0	02/21/2020	ND	208	104	200	1.59		
EXT DRO >C28-C36	2300	50.0	02/21/2020	ND						

Surrogate: 1-Chlorooctane 176 % 44.3-144

Surrogate: 1-Chlorooctadecane 456 % 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:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 1 @ 1' (H000525-06)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.190	0.050	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	3.14	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	2.28	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	12.8	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	18.4	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 264 % 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	272	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.7	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	164	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 97.5 % 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:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 1 @ 2' (H000525-07)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.053	0.050	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	0.538	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	0.488	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	2.37	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	3.45	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 233 % 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	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.5	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	272	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	19.7	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 2 @ SURFACE (H000525-08)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	4.99	0.500	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	7.14	0.500	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	29.4	1.50	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	41.5	3.00	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	340	50.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	2670	50.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	392	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 137 % 44.3-144

Surrogate: 1-Chlorooctadecane 177 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 2 @ 1' (H000525-09)

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	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	0.175	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	0.104	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	0.687	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	0.966	0.300	02/20/2020	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	144	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.3 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 2 @ 2' (H000525-10)

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	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	0.104	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	0.081	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	0.932	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTEx	1.12	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	240	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	114	10.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	11.9	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 90.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.4 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ SURFACE (H000525-11)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	10.1	2.00	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	117	2.00	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	84.5	2.00	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	205	6.00	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTEX	417	12.0	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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	480	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5030	50.0	02/21/2020	ND	196	98.2	200	1.90	
DRO >C10-C28*	50000	50.0	02/21/2020	ND	208	104	200	1.59	
EXT DRO >C28-C36	10200	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 507 % 44.3-144

Surrogate: 1-Chlorooctadecane 1940 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 1' (H000525-12)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.955	0.500	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	21.2	0.500	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	24.1	0.500	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	62.0	1.50	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	108	3.00	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 150 % 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	528	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1900	50.0	02/21/2020	ND	194	96.9	200	1.78	QM-07
DRO >C10-C28*	5280	50.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	709	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 176 % 44.3-144

Surrogate: 1-Chlorooctadecane 228 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 2' (H000525-13)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.374	0.050	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	7.52	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	10.9	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	20.5	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	39.2	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 196 % 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	496	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	812	50.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	3210	50.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	372	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 142 % 44.3-144

Surrogate: 1-Chlorooctadecane 197 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 3' (H000525-14)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	0.143	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	0.458	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	1.32	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	1.92	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 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	768	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.7	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	207	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	28.8	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 93.8 % 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:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 4' (H000525-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/20/2020	ND	1.94	97.2	2.00	6.44		
Toluene*	0.102	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60		
Ethylbenzene*	0.069	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85		
Total BTEx	<0.300	0.300	02/20/2020	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	320	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	80.9	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	11.8	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.1 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 5' (H000525-16)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.18	1.00	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	40.3	1.00	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	43.0	1.00	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	113	3.00	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTEX	197	6.00	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 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	320	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1930	50.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	5590	50.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	850	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 332 % 44.3-144

Surrogate: 1-Chlorooctadecane 249 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/17/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 6' (H000525-17)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	0.051	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	0.174	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	0.967	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	1.19	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 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	208	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.8	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	342	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	53.5	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 95.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 114 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 7' (H000525-18)

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	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	0.062	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	0.094	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	0.687	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	0.843	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	224	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.4	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	300	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	43.6	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 95.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 111 % 42.2-156

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Analytical Results For:

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Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 8' (H000525-19)

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	02/20/2020	ND	1.94	97.2	2.00	6.44		
Toluene*	<0.050	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85		
Total BTX	<0.300	0.300	02/20/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	64.0	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	63.6	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 9' (H000525-20)

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	02/20/2020	ND	1.94	97.2	2.00	6.44		
Toluene*	<0.050	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85		
Total BTEX	<0.300	0.300	02/20/2020	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	80.0	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.2 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 10' (H000525-21)

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	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	<0.050	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	<0.300	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.6 % 42.2-156

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Analytical Results For:

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Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 3 @ 11' (H000525-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/20/2020	ND	1.94	97.2	2.00	6.44		
Toluene*	<0.050	0.050	02/20/2020	ND	1.96	97.9	2.00	6.60		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.69		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.74	95.7	6.00	6.85		
Total BTEx	<0.300	0.300	02/20/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	64.0	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 93.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.0 % 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:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ SURFACE (H000525-23)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.93	2.00	02/20/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	32.8	2.00	02/20/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	33.3	2.00	02/20/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	91.2	6.00	02/20/2020	ND	5.74	95.7	6.00	6.85	
Total BTX	160	12.0	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2770	50.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	51000	50.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	10100	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 487 % 44.3-144

Surrogate: 1-Chlorooctadecane 2020 % 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:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ 1' (H000525-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	35.6	2.00	02/21/2020	ND	1.94	97.2	2.00	6.44	
Toluene*	215	2.00	02/21/2020	ND	1.96	97.9	2.00	6.60	
Ethylbenzene*	101	2.00	02/21/2020	ND	1.97	98.5	2.00	6.69	
Total Xylenes*	219	6.00	02/21/2020	ND	5.74	95.7	6.00	6.85	
Total BTEX	571	12.0	02/21/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	02/24/2020	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	7260	50.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	11800	50.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	1900	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 332 % 44.3-144

Surrogate: 1-Chlorooctadecane 376 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ 2' (H000525-25)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.9	0.500	02/20/2020	ND	1.87	93.7	2.00	5.20	
Toluene*	102	0.500	02/20/2020	ND	1.87	93.7	2.00	5.88	
Ethylbenzene*	67.4	0.500	02/20/2020	ND	1.88	94.2	2.00	6.04	QM-07
Total Xylenes*	165	1.50	02/20/2020	ND	5.45	90.8	6.00	6.15	QM-07
Total BTEx	346	3.00	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 156 % 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	16.0	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2850	50.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	5630	50.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	816	50.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 195 % 44.3-144

Surrogate: 1-Chlorooctadecane 228 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ 3' (H000525-26)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTEX	<0.300	0.300	02/20/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	16.0	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	14.3	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.1 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ 4' (H000525-27)

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	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTEX	<0.300	0.300	02/20/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.4 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ 5' (H000525-28)

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	02/20/2020	ND	1.87	93.7	2.00	5.20	
Toluene*	0.230	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88	
Ethylbenzene*	0.381	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04	
Total Xylenes*	1.37	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15	
Total BTX	1.98	0.300	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27.2	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	360	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	47.7	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ 6' (H000525-29)

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	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTX	<0.300	0.300	02/20/2020	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	32.0	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	92.0	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	11.4	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 4 @ 7' (H000525-30)

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	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTX	<0.300	0.300	02/20/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/24/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 98.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Analytical Results For:

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Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 5 @ SURFACE (H000525-31)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTEx	<0.300	0.300	02/20/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	194	96.9	200	1.78	
DRO >C10-C28*	58.9	10.0	02/21/2020	ND	180	90.1	200	5.45	
EXT DRO >C28-C36	13.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 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:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 5 @ 1' (H000525-32)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.218	0.050	02/21/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	1.82	0.050	02/21/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	0.670	0.050	02/21/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	1.17	0.150	02/21/2020	ND	5.45	90.8	6.00	6.15		
Total BTEX	3.88	0.300	02/21/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	256	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M	mg/kg		Analyzed By: CK					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.1	10.0	02/21/2020	ND	198	99.2	200	0.403	
DRO >C10-C28*	8190	10.0	02/21/2020	ND	186	93.0	200	1.55	
EXT DRO >C28-C36	1720	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 91.3 % 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:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 5 @ 2' (H000525-33)

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	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTEX	<0.300	0.300	02/20/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	198	99.2	200	0.403	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	186	93.0	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.6 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 5 @ 3' (H000525-34)

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	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTEx	<0.300	0.300	02/20/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	198	99.2	200	0.403	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	186	93.0	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.2 % 42.2-156

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Analytical Results For:

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

Received:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 6 @ SURFACE (H000525-35)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.20		
Toluene*	<0.050	0.050	02/20/2020	ND	1.87	93.7	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	1.88	94.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.45	90.8	6.00	6.15		
Total BTEx	<0.300	0.300	02/20/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/21/2020	ND	198	99.2	200	0.403	
DRO >C10-C28*	<10.0	10.0	02/21/2020	ND	186	93.0	200	1.55	
EXT DRO >C28-C36	<10.0	10.0	02/21/2020	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.0 % 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:	02/19/2020	Sampling Date:	02/18/2020
Reported:	02/25/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 6 @ 1' (H000525-36)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.121	0.050	02/21/2020	ND	1.87	93.7	2.00	5.20	
Toluene*	0.950	0.050	02/21/2020	ND	1.87	93.7	2.00	5.88	
Ethylbenzene*	0.362	0.050	02/21/2020	ND	1.88	94.2	2.00	6.04	
Total Xylenes*	0.837	0.150	02/21/2020	ND	5.45	90.8	6.00	6.15	
Total BTEX	2.27	0.300	02/21/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	384	16.0	02/24/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	02/22/2020	ND	198	99.2	200	0.403		
DRO >C10-C28*	22900	50.0	02/22/2020	ND	186	93.0	200	1.55		
EXT DRO >C28-C36	9170	50.0	02/22/2020	ND						

Surrogate: 1-Chlorooctane 97.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 1290 % 42.2-156

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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-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

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Relinquished By: <u>Sam Rana</u> Date: <u>2/18/20</u> Time: <u>5:00 PM</u>		Received By: <u>Israel Pena</u> Date: <u>2-19-20</u> Time: <u>8:00 AM</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____	
Relinquished By: <u>Israel Pena</u> Date: <u>2-19-20</u> Time: <u>8:00 AM</u>		Received By: <u>Laura Eldredge</u> Date: <u>2-20-20</u> Time: <u>10:30 AM</u>		CHECKED BY: <u>T.S.</u> (Initials)	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>2.3C</u> <u>#913</u>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: <u>Simon Renda</u>		Date: <u>2-18-20</u>	Received By: <u>Israel Pena</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <u>5:00 PM</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <u>Israel Pena</u>		Date: <u>2-19-20</u>	Received By: <u>Tamara Olds</u>	REMARKS:	
		Time: <u>2:00 PM</u>			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		
<u>2.3c #113</u>			<u>TO</u>		

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Relinquished By: <i>Simon Pena</i>		Date: <i>2/18/20</i>	Received By: <i>Israel Pena</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
		Time: <i>5:00 PM</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By: <i>Israel Pena</i>		Date: <i>2-19-20</i>	Received By: <i>Samara Olds</i>	REMARKS:	
		Time: <i>4:10 PM</i>			
Delivered By: (Circle One)			Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:			Cool Intact	(Initials)	
<i>2.3c #113</i>			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>TO.</i>	
			<input type="checkbox"/> Yes <input type="checkbox"/> No		

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4 of 4

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Relinquished By: <i>Sirius Rendon</i> Date: <i>2-15-20</i> Time: <i>5:00 PM</i>		Received By: <i>Israel Pena</i> Date: <i>2-19-20</i> Time: <i>8:00 AM</i>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: _____ REMARKS: _____	
Relinquished By: <i>Israel Pena</i> Date: <i>2-19-20</i> Time: <i>8:00 AM</i>		Received By: <i>James Blalock</i> Date: <i>2-19-20</i> Time: <i>8:30 AM</i>		CHECKED BY: (Initials) <i>JB</i>	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>2.3c #113</i>		Sample Condition Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No			

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

March 04, 2020

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: PLUMA 29 STATE #001

Enclosed are the results of analyses for samples received by the laboratory on 02/27/20 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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



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:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 6 @ 2' (H000643-01)

BTEX 8021B			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2020	ND	1.79	89.6	2.00	9.17	
Toluene*	<0.050	0.050	02/28/2020	ND	1.80	89.9	2.00	9.14	
Ethylbenzene*	<0.050	0.050	02/28/2020	ND	1.81	90.3	2.00	8.59	
Total Xylenes*	<0.150	0.150	02/28/2020	ND	5.29	88.2	6.00	8.69	
Total BTEX	<0.300	0.300	02/28/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/02/2020	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	210	105	200	0.0833	
DRO >C10-C28*	22.4	10.0	02/29/2020	ND	202	101	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 6 @ 3' (H000643-02)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2020	ND	1.79	89.6	2.00	9.17		
Toluene*	<0.050	0.050	02/28/2020	ND	1.80	89.9	2.00	9.14		
Ethylbenzene*	<0.050	0.050	02/28/2020	ND	1.81	90.3	2.00	8.59		
Total Xylenes*	<0.150	0.150	02/28/2020	ND	5.29	88.2	6.00	8.69		
Total BTEX	<0.300	0.300	02/28/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	210	105	200	0.0833	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	202	101	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.7 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 7 @ SURFACE (H000643-03)

BTX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2020	ND	1.79	89.6	2.00	9.17		
Toluene*	<0.050	0.050	02/28/2020	ND	1.80	89.9	2.00	9.14		
Ethylbenzene*	<0.050	0.050	02/28/2020	ND	1.81	90.3	2.00	8.59		
Total Xylenes*	<0.150	0.150	02/28/2020	ND	5.29	88.2	6.00	8.69		
Total BTX	<0.300	0.300	02/28/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/02/2020	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	849	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	269	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 119 % 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:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 7 @ 1' (H000643-04)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2020	ND	1.79	89.6	2.00	9.17		
Toluene*	<0.050	0.050	02/28/2020	ND	1.80	89.9	2.00	9.14		
Ethylbenzene*	<0.050	0.050	02/28/2020	ND	1.81	90.3	2.00	8.59		
Total Xylenes*	<0.150	0.150	02/28/2020	ND	5.29	88.2	6.00	8.69		
Total BTEX	<0.300	0.300	02/28/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 7 @ 2' (H000643-05)

BTEX 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2020	ND	1.79	89.6	2.00	9.17		
Toluene*	<0.050	0.050	02/28/2020	ND	1.80	89.9	2.00	9.14		
Ethylbenzene*	<0.050	0.050	02/28/2020	ND	1.81	90.3	2.00	8.59		
Total Xylenes*	<0.150	0.150	02/28/2020	ND	5.29	88.2	6.00	8.69		
Total BTEX	<0.300	0.300	02/28/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 87.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 8 @ SURFACE (H000643-06)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2020	ND	1.79	89.6	2.00	9.17		
Toluene*	<0.050	0.050	02/29/2020	ND	1.80	89.9	2.00	9.14		
Ethylbenzene*	<0.050	0.050	02/29/2020	ND	1.81	90.3	2.00	8.59		
Total Xylenes*	<0.150	0.150	02/29/2020	ND	5.29	88.2	6.00	8.69		
Total BTEx	<0.300	0.300	02/29/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	15.4	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 8 @ 1' (H000643-07)

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/29/2020	ND	1.79	89.6	2.00	9.17		
Toluene*	<0.050	0.050	02/29/2020	ND	1.80	89.9	2.00	9.14		
Ethylbenzene*	<0.050	0.050	02/29/2020	ND	1.81	90.3	2.00	8.59		
Total Xylenes*	<0.150	0.150	02/29/2020	ND	5.29	88.2	6.00	8.69		
Total BTEx	<0.300	0.300	02/29/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 8 @ 2' (H000643-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93	
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81	
Total BTEX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 9 @ SURFACE (H000643-09)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEx	<0.300	0.300	03/02/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.0 % 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:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 9 @ 1' (H000643-10)

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	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEx	<0.300	0.300	03/02/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.6 % 42.2-156

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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 9 @ 2' (H000643-11)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93	
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81	
Total BTX	<0.300	0.300	03/02/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.4 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 9 @ 3' (H000643-12)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEx	<0.300	0.300	03/02/2020	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.3 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 10 @ SURFACE (H000643-13)

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	03/02/2020	ND	1.98	99.2	2.00	2.93	
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81	
Total BTX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	30.1	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 84.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.5 % 42.2-156

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 10 @ 1' (H000643-14)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEX	<0.300	0.300	03/02/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.3 % 42.2-156

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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 10 @ 2' (H000643-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEX	<0.300	0.300	03/02/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 83.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.5 % 42.2-156

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 11 @ SURFACE (H000643-16)

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	03/02/2020	ND	1.98	99.2	2.00	2.93	
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81	
Total BTX	<0.300	0.300	03/02/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 11 @ 1' (H000643-17)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93	
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81	
Total BTX	<0.300	0.300	03/02/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/02/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	44.9	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	12.4	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 66.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.4 % 42.2-156

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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 11 @ 2' (H000643-18)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEX	<0.300	0.300	03/02/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.9 % 42.2-156

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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 12 @ SURFACE (H000643-19)

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	03/02/2020	ND	1.98	99.2	2.00	2.93	
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81	
Total BTX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.2 % 42.2-156

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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 12 @ 1' (H000643-20)

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	03/02/2020	ND	1.98	99.2	2.00	2.93	
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81	
Total BTEX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/02/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 71.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.7 % 42.2-156

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	02/27/2020	Sampling Date:	02/25/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 12 @ 2' (H000643-21)

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	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEX	<0.300	0.300	03/02/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.2 % 42.2-156

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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 13 @ SURFACE (H000643-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEX	<0.300	0.300	03/02/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/02/2020	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	213	107	200	0.193	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	207	103	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.0 % 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:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 13 @ 1' (H000643-23)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	99.2	2.00	2.93		
Toluene*	<0.050	0.050	03/02/2020	ND	2.00	100	2.00	2.77		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.02	101	2.00	2.79		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.89	98.2	6.00	2.81		
Total BTEx	<0.300	0.300	03/02/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2020	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	218	109	200	2.14	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	208	104	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.4 % 42.2-156

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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 13 @ 2' (H000643-24)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	98.8	2.00	0.314	
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547	
Total BTEX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/02/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	218	109	200	2.14	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	208	104	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 81.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.6 % 42.2-156

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 14 @ SURFACE (H000643-25)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	98.8	2.00	0.314	
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547	
Total BTEx	<0.300	0.300	03/02/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	218	109	200	2.14	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	208	104	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.4 % 42.2-156

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Analytical Results For:

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 14 @ 1' (H000643-26)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	98.8	2.00	0.314		
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547		
Total BTEX	<0.300	0.300	03/02/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/29/2020	ND	218	109	200	2.14	
DRO >C10-C28*	<10.0	10.0	02/29/2020	ND	208	104	200	5.79	
EXT DRO >C28-C36	<10.0	10.0	02/29/2020	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 14 @ 2' (H000643-27)

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	03/02/2020	ND	1.98	98.8	2.00	0.314	
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547	
Total BTEX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2020	ND	190	94.8	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/03/2020	ND	187	93.3	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/03/2020	ND					

Surrogate: 1-Chlorooctane 83.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 15 @ SURFACE (H000643-28)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	98.8	2.00	0.314	
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547	
Total BTEx	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/02/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2020	ND	190	94.8	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/03/2020	ND	187	93.3	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/03/2020	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 15 @ 1' (H000643-29)

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	03/02/2020	ND	1.98	98.8	2.00	0.314		
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547		
Total BTX	<0.300	0.300	03/02/2020	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2020	ND	190	94.8	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/03/2020	ND	187	93.3	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/03/2020	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 15 @ 2' (H000643-30)

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	03/02/2020	ND	1.98	98.8	2.00	0.314	
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547	
Total BTEX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/02/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/03/2020	ND	190	94.8	200	1.02	
DRO >C10-C28*	<10.0	10.0	03/03/2020	ND	187	93.3	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	03/03/2020	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.1 % 42.2-156

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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 16 @ SURFACE (H000643-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	98.8	2.00	0.314	
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547	
Total BTEx	<0.300	0.300	03/02/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2020	ND	187	93.5	200	0.778	
DRO >C10-C28*	<10.0	10.0	03/02/2020	ND	182	90.9	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	03/02/2020	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 16 @ 1' (H000643-32)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/02/2020	ND	1.98	98.8	2.00	0.314		
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153		
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245		
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547		
Total BTEX	<0.300	0.300	03/02/2020	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/02/2020	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2020	ND	187	93.5	200	0.778	
DRO >C10-C28*	<10.0	10.0	03/02/2020	ND	182	90.9	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	03/02/2020	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/27/2020	Sampling Date:	02/26/2020
Reported:	03/04/2020	Sampling Type:	Soil
Project Name:	PLUMA 29 STATE #001	Sampling Condition:	Cool & Intact
Project Number:	BATTERY (1-2-20)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - MALJAMAR		

Sample ID: SP 16 @ 2' (H000643-33)

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	03/02/2020	ND	1.98	98.8	2.00	0.314	
Toluene*	<0.050	0.050	03/02/2020	ND	2.01	100	2.00	0.153	
Ethylbenzene*	<0.050	0.050	03/02/2020	ND	2.01	101	2.00	0.245	
Total Xylenes*	<0.150	0.150	03/02/2020	ND	5.84	97.3	6.00	0.547	
Total BTX	<0.300	0.300	03/02/2020	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/02/2020	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2020	ND	187	93.5	200	0.778	
DRO >C10-C28*	<10.0	10.0	03/02/2020	ND	182	90.9	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	03/02/2020	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 4

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

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST																
Project Manager: Cliff Brunson		P.O. #:																		
Address: P.O. Box 805		Company: OXY																		
City: Hobbs State: NM Zip: 88241		Attn: WADE																		
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:																		
Project #: Project Owner: Oxy		City:																		
Project Name: Pluma 29 St 1 Battery (1-2-20)		State: Zip:																		
Project Location: Lea County, NM		Phone #:																		
Sampler Name: Simon Rendon		Fax #:																		
Lab I.D.	Sample I.D.	FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING	CL	BTEX	TPH	EXT											
		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
H000643													2-25-20	9:05 AM	✓	✓	✓			
1	SP6 @ 2'	G	1										2-26-20	1:50 PM	✓	✓	✓			
2	SP6 @ 3'												2-25-20	9:35 AM	✓	✓	✓			
3	SP7 @ Surface												2-25-20	9:57 AM	✓	✓	✓			
4	SP7 @ 1'												2-25-20	10:22 AM	✓	✓	✓			
5	SP7 @ 2'												2-25-20	10:40 AM	✓	✓	✓			
6	SP8 @ Surface												2-25-20	11:00 AM	✓	✓	✓			
7	SP8 @ 1'												2-25-20	11:22 AM	✓	✓	✓			
8	SP8 @ 2'												2-25-20	11:42 AM	✓	✓	✓			
9	SP9 @ Surface												2-25-20	12:00 PM	✓	✓	✓			
10	SP9 @ 1'																			

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Relinquished By:	Date: 2/26/20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Simon Rendon	Time: 5:00 pm	Gravett Pena	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 2-27-20	Received By:	REMARKS:	
Gravett Pena	Time: 8:00 pm	Samara Aldat		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other:	Cool Intact	(Initials)		
- 0.32 #113	<input type="checkbox"/> Yes <input type="checkbox"/> No	T.O.		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs State: NM Zip: 88241 Phone #: 575-397-6388 Fax #: 575-397-0397 Project #: Project Owner: Oxy Project Name: Pluma 29 St 1 Battery (1-2-20) Project Location: Lea County, NM Sampler Name: Simon Rendon				BILL TO				ANALYSIS REQUEST																											
				P.O. #: Company: OXY Attn: WADE Address: City: State: Zip: Phone #: Fax #:																															
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(GRAB OR C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		CL	BTEX	TPH EXT																	
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE				TIME																
H000643				G	1			1					1		2-25-20	12:45 PM	✓	✓	✓																
12		SP9 @ 3'													2-25-20	1:05 PM	✓	✓	✓																
13		SP10 @ Surface													2-25-20	1:25 PM	✓	✓	✓																
14		SP10 @ 1'													2-25-20	1:40 PM	✓	✓	✓																
15		SP10 @ 2'													2-25-20	2:10 PM	✓	✓	✓																
16		SP11 @ Surface													2-25-20	2:25 PM	✓	✓	✓																
17		SP11 @ 1'													2-25-20	2:45 PM	✓	✓	✓																
18		SP11 @ 2'													2-25-20	3:10 PM	✓	✓	✓																
19		SP12 @ Surface													2-25-20	3:20 PM	✓	✓	✓																
20		SP12 @ 1'													2-25-20	3:35 PM	✓	✓	✓																

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Relinquished By: Relinquished By: Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>-0.3 #113</u>		Date: <u>2/26/20</u> Time: <u>5:00pm</u> Date: <u>2-27-20</u> Time: <u>2:00pm</u>		Received By: Received By: Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) <u>T.O.</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3044

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Cliff Brunson				P.O. #:															
Address: P.O. Box 805				Company: OXY															
City: Hobbs State: NM Zip: 88241				Attn: WADE															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:															
Project #: Project Owner: Oxy				City:															
Project Name: Pluma 29 St 1 Battery (1-2-20)				State: Zip:															
Project Location: Lea County, NM				Phone #:															
Sampler Name: Simon Rendon				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.	Sample I.D.	(G/RAB OR (C)OMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING	CL	BTEX	TPH	EXT										
4000043																			
21	SP12 @ 2'	1				2-25-20	3:47 PM	✓	✓	✓									
22	SP13 @ Surface	1				2-26-20	9:00 AM	✓	✓	✓									
23	SP13 @ 1'	1				2-26-20	9:20 AM	✓	✓	✓									
24	SP13 @ 2'	1				2-26-20	9:45 AM	✓	✓	✓									
25	SP14 @ Surface	1				2-26-20	10:10 AM	✓	✓	✓									
26	SP14 @ 1'	1				2-26-20	10:22 AM	✓	✓	✓									
27	SP14 @ 2'	1				2-26-20	10:40 AM	✓	✓	✓									
28	SP15 @ Surface	1				2-26-20	11:00 AM	✓	✓	✓									
29	SP15 @ 1'	1				2-26-20	11:17 AM	✓	✓	✓									
30	SP15 @ 2'	1				2-26-20	11:35 AM	✓	✓	✓									

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Relinquished By:	Date: 2/26/20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Simon Rendon	Time: 5:00 PM	Gracie Pena	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: 2-27-20	Received By:	REMARKS:	
Gracie Pena	Time: 8:00 AM	Samara Aldrete		
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: -0.3c #113	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	T.O.		

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4

[illegible]

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Relinquished By: <i>Simon Rendon</i>		Date: <i>2-26-20</i>	Received By: <i>Griff Pen</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #: _____
Time: <i>5:00pm</i>				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #: _____
Relinquished By: <i>Griff Pen</i>		Date: <i>2-27-20</i>	Received By: <i>Tamara Alda-Kye</i>	REMARKS: _____	
Time: <i>8:00AM</i>					
Delivered By: (Circle One)		Sample Condition	Cool	Intact	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: <i>-0.3c #113</i>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<i>TO.</i>

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