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E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

OXY – WYATT AA FEDERAL #003

(Leak Date: 4/26/19)

Y7Q9D-191118-C-1410

RP # 1RP-5504

This delineation workplan and remediation proposal addresses the releases associated with RP # 1RP-5504.

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 and SP2 (PINK shade on diagram) will be excavated to a depth of 3.5 feet. The leak area near SP3 and SP4 (BLUE shade on diagram) will be excavated to a depth of 3 feet.

Bottom confirmation samples will be collected at no greater than 75 ft. intervals. Estimated volume of material to be removed is 306 cubic yards. The remediation will be completed within 90 days of plan approval.

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

Page 3

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-5504
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?	122' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ 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.

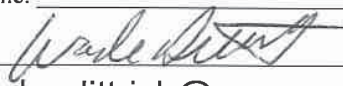
Form C-141

Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-5504
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 DittrichTitle: Environmental CoordinatorSignature: Date: 6-25-19email: wade_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

Received by: _____

Date: _____

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-5504
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: 6-25-19
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

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

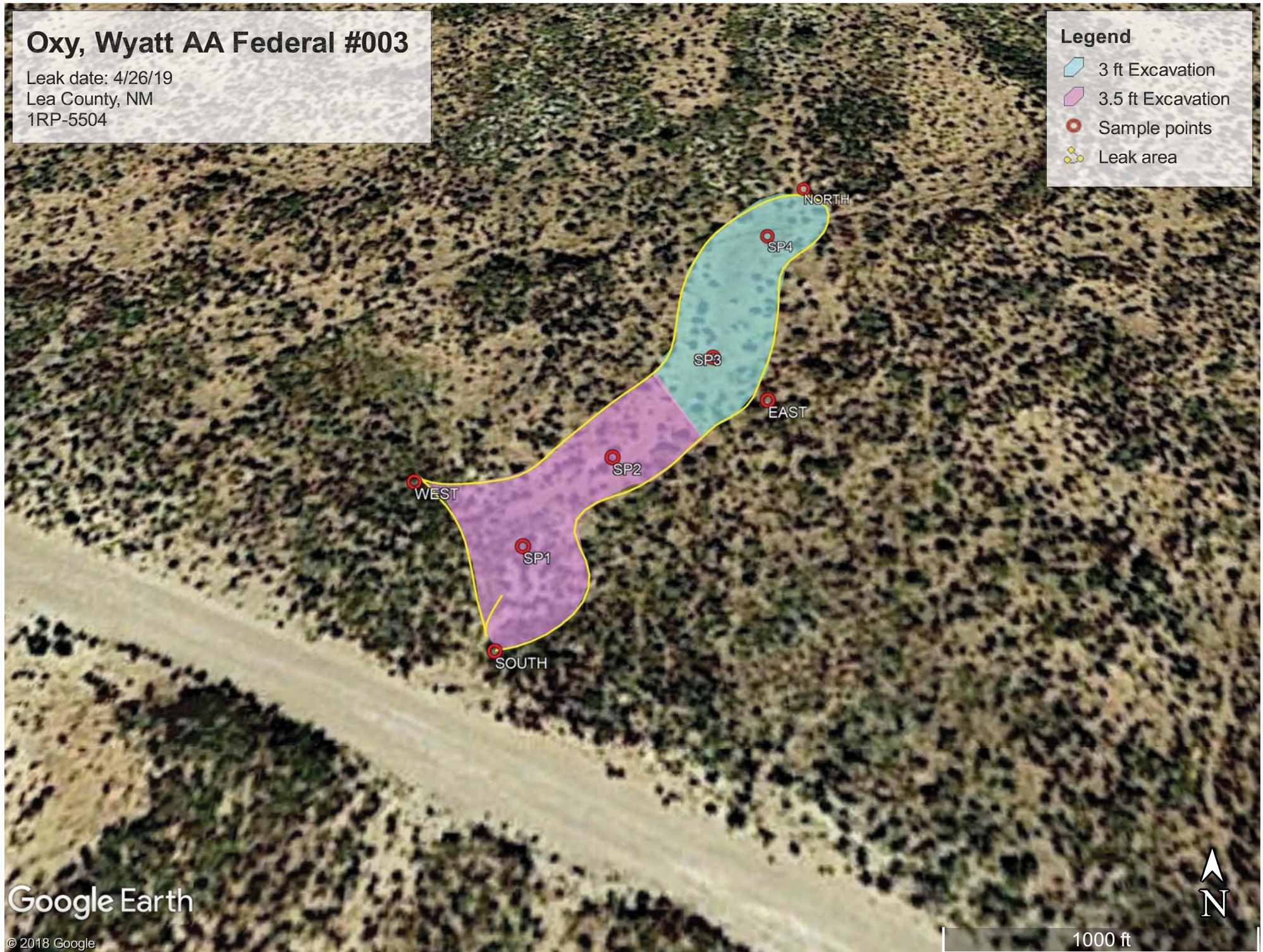
Signature: _____ Date: _____

Oxy, Wyatt AA Federal #003

Leak date: 4/26/19
Lea County, NM
1RP-5504

Legend

-  3 ft Excavation
-  3.5 ft Excavation
-  Sample points
-  Leak area



Google Earth

© 2018 Google

1000 ft

Oxy, Wyatt AA Federal #003

Sample points

SP1, N 32.78571 W-103.66089

SP2, N 32.78576 W-103.66084

SP3, N 32.78583 W-103.66078

SP4, N 32.78593 W-103.66074

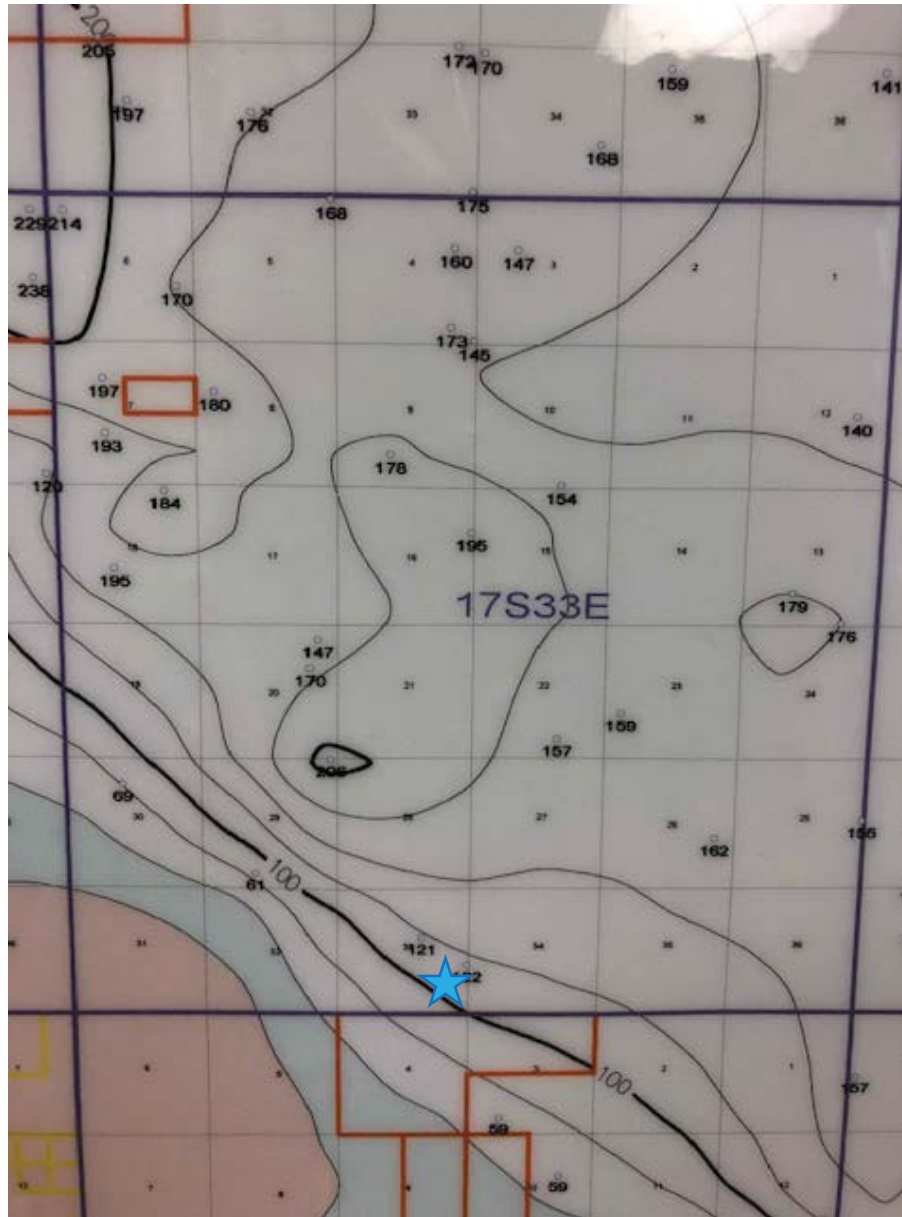
NORTH, N 32.78598 W-103.66071

SOUTH, N 32.78565 W-103.66091

EAST, N 32.78580 W-103.66075

WEST, N 32.78575 W-103.66096

Oxy, Wyatt AA Federal #003
U/L P, Section 33, T17S, R33E
Groundwater: 100'





USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 324716103392501

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

USGS 324716103392501 17S.33E.33.42244

Lea County, New Mexico
Latitude 32°47'22", Longitude 103°39'34" NAD27
Land-surface elevation 4,063.10 feet above NGVD29
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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 measurement
1961-03-10		D	70.40				2		U	
1966-02-14		D	125.00				2		U	
1971-02-16		D	120.96				2		U	
1976-02-18		D	121.30				2		U	
1981-01-28		D	121.54				2		U	
1986-03-26		D	122.18				2		U	
1990-12-11		D	122.34				2		U	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
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	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)
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[Automated retrievals](#)
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[Data Tips](#)
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Title: Groundwater for New Mexico: Water Levels

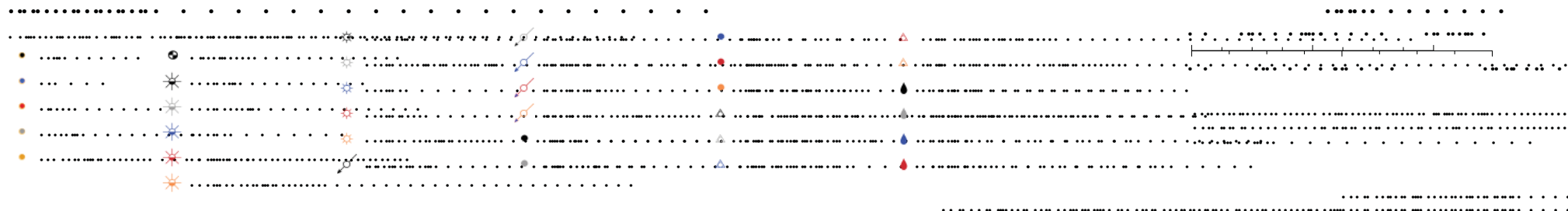
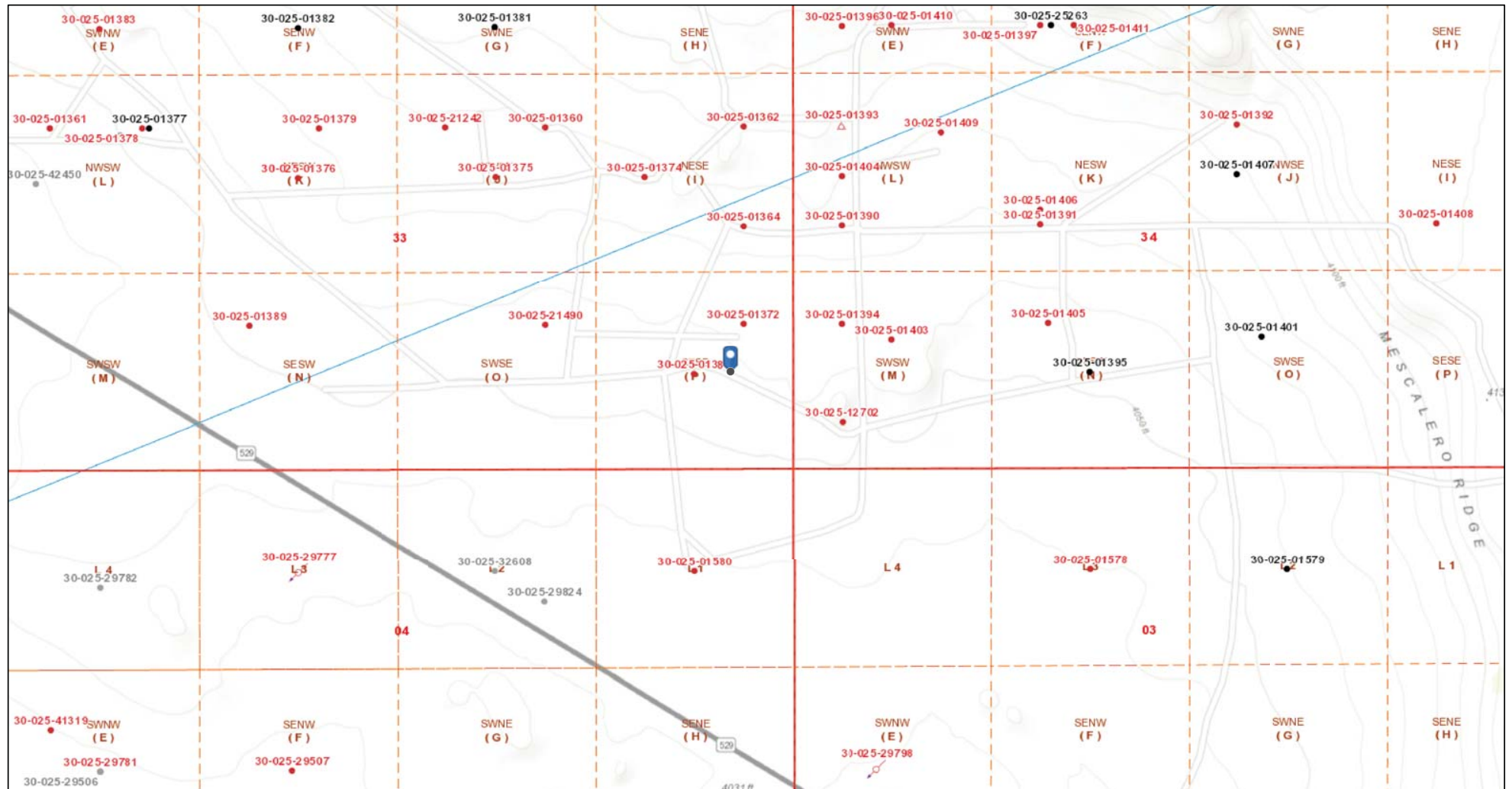
URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>

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

Page Last Modified: 2019-05-01 16:12:50 EDT

0.44 0.42 nadww02





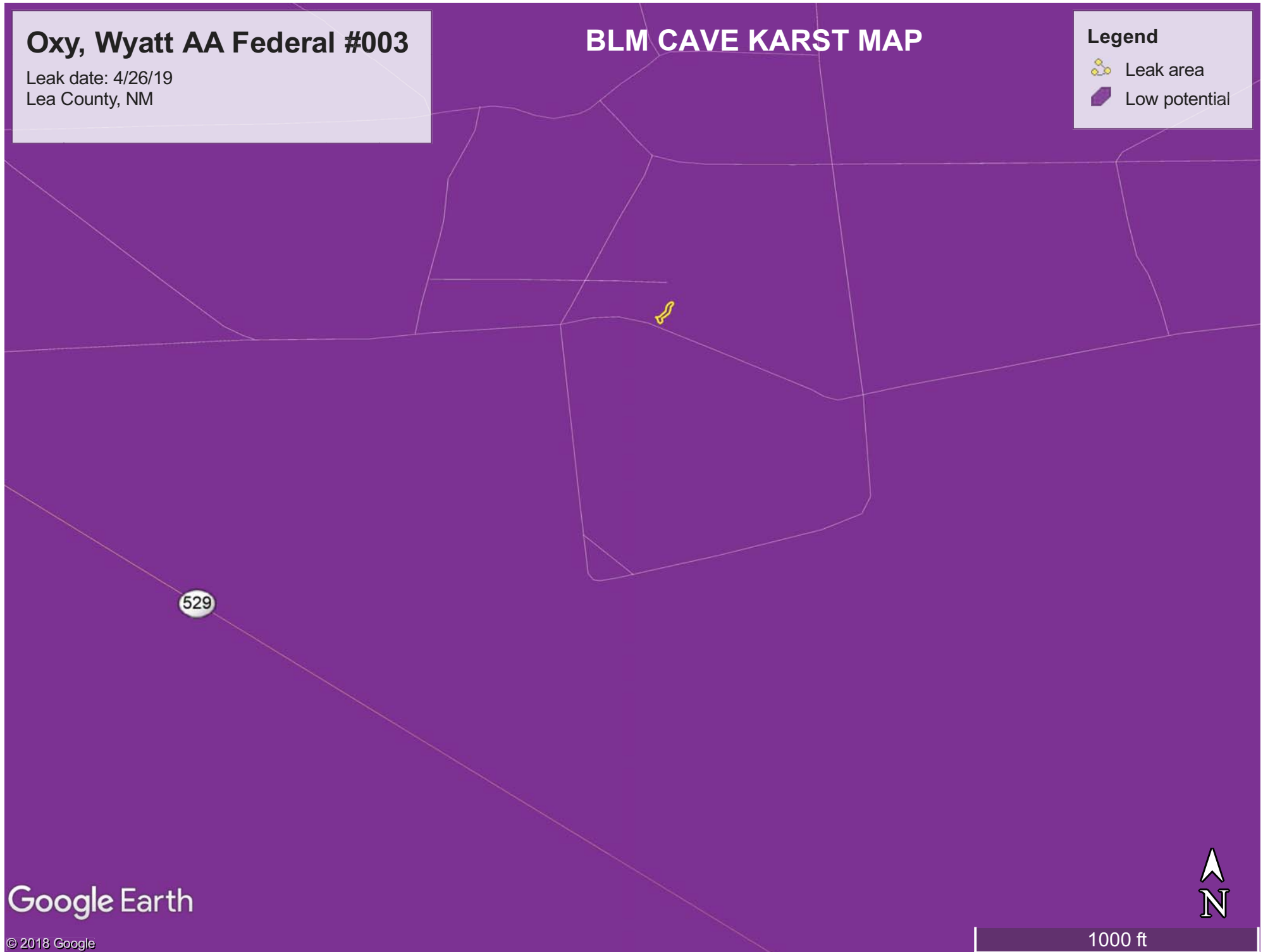
Oxy, Wyatt AA Federal #003

Leak date: 4/26/19
Lea County, NM

BLM CAVE KARST MAP

Legend

-  Leak area
-  Low potential



National Flood Hazard Layer FIRMette



32°47'23.50"N

103°39'57.97"W



USGS The National Map: Orthoimagery. Data refreshed October, 2017.

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

1:6,000

32°46'53.25"N

103°39'20.51"W

Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		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		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
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 5/1/2019 at 4:24:14 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.

Laboratory Analytical Results Summary
Wyatt AA Federal #003 (4/26/19)

		Sample ID	SP1 @ SURFACE	SP1 @ 1'	SP1 @ 2'	SP1 @ 2.5'	SP1 @ 3'	SP1 @ 3.5'	SP1 @ 4'
Analyte	Method	Date	6/6/19	6/6/19	6/6/19	6/6/19	6/6/19	6/6/19	6/6/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.069	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		0.424	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		0.494	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		320	224	2720	592	672	208	128
GRO	TPH 8015M		59.7	<10.0	19.9	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		5250	24.8	1820	<10.0	11.7	<10.0	<10.0
EXT DRO	TPH 8015M		1420	<10.0	569	<10.0	<10.0	<10.0	<10.0

		Sample ID	NORTH @ SURFACE	EAST @ SURFACE	WEST @ SURFACE	SOUTH @ SURFACE
Analyte	Method	Date	6/7/19	6/7/19	6/7/19	6/7/19
			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	SP2 @ SURFACE	SP2 @ 1'	SP2 @ 2'	SP2 @ 2.5'	SP2 @ 3'	SP2 @ 3.5'	SP2 @ 4'
Analyte	Method	Date	6/6/19	6/6/19	6/6/19	6/6/19	6/6/19	6/6/19	6/6/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.200	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.01	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		2.7	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		7.6	<0.150	0.236	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		11.3	<0.300	<0.300	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1920	800	2320	592	688	128	176
GRO	TPH 8015M		453	<10.0	19.3	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		36900	154	1480	<10.0	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		8140	46.6	433	<10.0	<10.0	<10.0	<10.0

		Sample ID	SP3 @ SURFACE	SP3 @ 1'	SP3 @ 2'	SP3 @ 2.5'	SP3 @ 3'	SP3 @ 3.5'	SP3 @ 4'
Analyte	Method	Date	6/6/19	6/6/19	6/6/19	6/7/19	6/7/19	6/7/19	6/7/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.63	<0.050	1.07	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		3.96	0.226	2.37	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		10.9	0.47	4.15	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		16.5	0.697	7.58	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		1760	1500	1800	48	48	80	112
GRO	TPH 8015M		558	27.9	464	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		37500	882	4890	265	45.9	<10.0	<10.0
EXT DRO	TPH 8015M		7910	272	1100	23.5	<10.0	<10.0	<10.0

		Sample ID	SP4 @ SURFACE	SP4 @ 1'	SP4 @ 2'	SP4 @ 2.5'	SP4 @ 3'	SP4 @ 3.5'	SP4 @ 4'
Analyte	Method	Date	6/7/19	6/7/19	6/7/19	6/7/19	6/7/19	6/7/19	6/7/19
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.079	<0.200	<1.00	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		1.04	6.69	1.11	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		1.78	9.87	3.69	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		5.64	35.3	7.22	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		8.54	51.9	12	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		768	736	96	64	48	80	144
GRO	TPH 8015M		245	2470	1050	10.2	<10.0	<10.0	<10.0
DRO	TPH 8015M		16300	15500	9190	304	11.5	<10.0	<10.0
EXT DRO	TPH 8015M		4500	3410	1680	21.7	<10.0	<10.0	<10.0



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

June 17, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WYATT AA FEDERAL #003

Enclosed are the results of analyses for samples received by the laboratory on 06/10/19 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ SURFACE (H902015-01)

BTEX 8021B		mg/kg	Analyzed By: BF					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2019	ND	1.93	96.5	2.00	1.01	
Toluene*	<0.050	0.050	06/13/2019	ND	1.90	95.2	2.00	2.61	
Ethylbenzene*	0.069	0.050	06/13/2019	ND	1.85	92.3	2.00	2.53	
Total Xylenes*	0.424	0.150	06/13/2019	ND	5.70	95.0	6.00	2.20	
Total BTEX	0.494	0.300	06/13/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 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	320	16.0	06/12/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	59.7	10.0	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	5250	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	1420	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 285 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 1' (H902015-02)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2019	ND	1.93	96.5	2.00	1.01		
Toluene*	<0.050	0.050	06/13/2019	ND	1.90	95.2	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/13/2019	ND	1.85	92.3	2.00	2.53		
Total Xylenes*	<0.150	0.150	06/13/2019	ND	5.70	95.0	6.00	2.20		
Total BTEX	<0.300	0.300	06/13/2019	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/12/2019	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	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	24.8	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.0 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 2' (H902015-03)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/13/2019	ND	1.93	96.5	2.00	1.01		
Toluene*	<0.050	0.050	06/13/2019	ND	1.90	95.2	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/13/2019	ND	1.85	92.3	2.00	2.53		
Total Xylenes*	<0.150	0.150	06/13/2019	ND	5.70	95.0	6.00	2.20		
Total BTEX	<0.300	0.300	06/13/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	06/12/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.9	10.0	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	1820	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	569	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 153 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 2.5' (H902015-04)

BTEX 8021B			mg/kg		Analyzed By: BF				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/13/2019	ND	1.93	96.5	2.00	1.01	
Toluene*	<0.050	0.050	06/13/2019	ND	1.90	95.2	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/13/2019	ND	1.85	92.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	06/13/2019	ND	5.70	95.0	6.00	2.20	
Total BTEX	<0.300	0.300	06/13/2019	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/12/2019	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	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 84.3 % 37.6-147

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Analytical Results For:

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

Received: 06/10/2019
 Reported: 06/17/2019
 Project Name: WYATT AA FEDERAL #003
 Project Number: (4/26/19)
 Project Location: OXY - LEA CO NM

Sampling Date: 06/06/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 3' (H902015-05)

BTEX 8021B			mg/kg		Analyzed By: BF				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01	
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20	
Total BTEX	<0.300	0.300	06/14/2019	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	672	16.0	06/12/2019	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	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	11.7	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 95.4 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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Analytical Results For:

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

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 3.5' (H902015-06)

BTEX 8021B			mg/kg		Analyzed By: BF				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01	
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20	
Total BTEX	<0.300	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	208	16.0	06/12/2019	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	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 95.2 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 4' (H902015-07)

BTEX 8021B			mg/kg		Analyzed By: BF				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01	
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20	
Total BTEX	<0.300	0.300	06/14/2019	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/12/2019	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	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 94.9 % 41-142

Surrogate: 1-Chlorooctadecane 91.2 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ SURFACE (H902015-08)

BTEX 8021B		mg/kg		Analyzed By: BF				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	06/14/2019	ND	1.93	96.5	2.00	1.01	
Toluene*	1.01	0.200	06/14/2019	ND	1.90	95.2	2.00	2.61	
Ethylbenzene*	2.70	0.200	06/14/2019	ND	1.85	92.3	2.00	2.53	
Total Xylenes*	7.60	0.600	06/14/2019	ND	5.70	95.0	6.00	2.20	
Total BTEX	11.3	1.20	06/14/2019	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	06/12/2019	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	453	100	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	36900	100	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	8140	100	06/12/2019	ND					

Surrogate: 1-Chlorooctane 1160 % 41-142

Surrogate: 1-Chlorooctadecane 2300 % 37.6-147

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Analytical Results For:

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

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 1' (H902015-09)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01		
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	800	16.0	06/12/2019	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	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	154	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	46.6	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 98.0 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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Analytical Results For:

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

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 2' (H902015-10)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01		
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53		
Total Xylenes*	0.236	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	06/12/2019	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*	19.3	10.0	06/12/2019	ND	251	125	200	1.49	
DRO >C10-C28*	1480	10.0	06/12/2019	ND	220	110	200	7.15	
EXT DRO >C28-C36	433	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 96.6 % 41-142

Surrogate: 1-Chlorooctadecane 134 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 2.5' (H902015-11)

BTEX 8021B			mg/kg		Analyzed By: BF				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01	
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61	
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20	
Total BTEX	<0.300	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	592	16.0	06/12/2019	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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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Analytical Results For:

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

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 3' (H902015-12)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01		
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	688	16.0	06/12/2019	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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Analytical Results For:

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

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 3.5' (H902015-13)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01		
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2019	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 99.5 % 41-142

Surrogate: 1-Chlorooctadecane 98.6 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 4' (H902015-14)

BTEX 8021B		mg/kg		Analyzed By: BF						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2019	ND	1.93	96.5	2.00	1.01		
Toluene*	<0.050	0.050	06/14/2019	ND	1.90	95.2	2.00	2.61		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.85	92.3	2.00	2.53		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.70	95.0	6.00	2.20		
Total BTEX	<0.300	0.300	06/14/2019	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 95.1 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

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Analytical Results For:

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Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ SURFACE (H902015-15)

BTEX 8021B		mg/kg	Analyzed By: ms					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2019	ND	1.99	99.7	2.00	4.13	
Toluene*	1.63	0.050	06/14/2019	ND	2.01	100	2.00	2.53	
Ethylbenzene*	3.96	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84	
Total Xylenes*	10.9	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50	
Total BTEX	16.5	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 187 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	06/12/2019	ND	400	100	400	4.08	
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*	558	50.0	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	37500	50.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	7910	50.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 267 % 41-142

Surrogate: 1-Chlorooctadecane 1460 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 1' (H902015-16)

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	06/14/2019	ND	1.99	99.7	2.00	4.13	
Toluene*	<0.050	0.050	06/14/2019	ND	2.01	100	2.00	2.53	
Ethylbenzene*	0.226	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84	
Total Xylenes*	0.470	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50	
Total BTEX	0.697	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1500	16.0	06/12/2019	ND	400	100	400	4.08	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27.9	10.0	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	882	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	272	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 131 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	06/10/2019	Sampling Date:	06/06/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 2' (H902015-17)

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	06/14/2019	ND	1.99	99.7	2.00	4.13	
Toluene*	1.07	0.050	06/14/2019	ND	2.01	100	2.00	2.53	
Ethylbenzene*	2.37	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84	
Total Xylenes*	4.15	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50	
Total BTEX	7.58	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	06/12/2019	ND	400	100	400	4.08	

TPH 8015M		mg/kg	Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	464	10.0	06/12/2019	ND	250	125	200	3.12		
DRO >C10-C28*	4890	10.0	06/12/2019	ND	223	111	200	4.72		
EXT DRO >C28-C36	1100	10.0	06/12/2019	ND						

Surrogate: 1-Chlorooctane 134 % 41-142

Surrogate: 1-Chlorooctadecane 248 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 2.5' (H902015-18)

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	06/14/2019	ND	1.99	99.7	2.00	4.13		
Toluene*	<0.050	0.050	06/14/2019	ND	2.01	100	2.00	2.53		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/12/2019	ND	400	100	400	4.08		

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	06/12/2019	ND	250	125	200	3.12		
DRO >C10-C28*	265	10.0	06/12/2019	ND	223	111	200	4.72		
EXT DRO >C28-C36	23.5	10.0	06/12/2019	ND						

Surrogate: 1-Chlorooctane 95.4 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 3' (H902015-19)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2019	ND	1.99	99.7	2.00	4.13		
Toluene*	<0.050	0.050	06/14/2019	ND	2.01	100	2.00	2.53		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50		
Total BTEX	<0.300	0.300	06/14/2019	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	45.9	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 96.4 % 41-142

Surrogate: 1-Chlorooctadecane 99.4 % 37.6-147

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 Cliff Brunson
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 Fax To: (575) 397-0397

Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 3.5' (H902015-20)

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	06/14/2019	ND	1.99	99.7	2.00	4.13	
Toluene*	<0.050	0.050	06/14/2019	ND	2.01	100	2.00	2.53	
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84	
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50	
Total BTEX	<0.300	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 95.0 % 41-142

Surrogate: 1-Chlorooctadecane 95.1 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 4' (H902015-21)

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	06/14/2019	ND	1.99	99.7	2.00	4.13	
Toluene*	<0.050	0.050	06/14/2019	ND	2.01	100	2.00	2.53	
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84	
Total Xylenes*	<0.150	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50	
Total BTEX	<0.300	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	112	16.0	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 93.0 % 41-142

Surrogate: 1-Chlorooctadecane 95.2 % 37.6-147

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Analytical Results For:

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Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ SURFACE (H902015-22)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.079	0.050	06/14/2019	ND	1.99	99.7	2.00	4.13	
Toluene*	1.04	0.050	06/14/2019	ND	2.01	100	2.00	2.53	
Ethylbenzene*	1.78	0.050	06/14/2019	ND	1.87	93.7	2.00	1.84	
Total Xylenes*	5.64	0.150	06/14/2019	ND	5.64	94.0	6.00	2.50	
Total BTEX	8.54	0.300	06/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID) 148 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	06/12/2019	ND	400	100	400	4.08	
TPH 8015M									

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*	245	50.0	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	16300	50.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	4500	50.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 126 % 41-142

Surrogate: 1-Chlorooctadecane 825 % 37.6-147

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Analytical Results For:

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Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 1' (H902015-23)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<2.00	2.00	06/14/2019	ND	1.99	99.7	2.00	4.13		
Toluene*	6.69	2.00	06/14/2019	ND	2.01	100	2.00	2.53		
Ethylbenzene*	9.87	2.00	06/14/2019	ND	1.87	93.7	2.00	1.84		
Total Xylenes*	35.3	6.00	06/14/2019	ND	5.64	94.0	6.00	2.50		
Total BTEX	51.9	12.0	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	06/12/2019	ND	400	100	400	4.08	
TPH 8015M		mg/kg		Analyzed By: MS					
									S-06

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2470	50.0	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	15500	50.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	3410	50.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 244 % 41-142

Surrogate: 1-Chlorooctadecane 561 % 37.6-147

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 2' (H902015-24)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<1.00	1.00	06/14/2019	ND	1.99	99.7	2.00	4.13		
Toluene*	1.11	1.00	06/14/2019	ND	2.01	100	2.00	2.53		
Ethylbenzene*	3.69	1.00	06/14/2019	ND	1.87	93.7	2.00	1.84		
Total Xylenes*	7.22	3.00	06/14/2019	ND	5.64	94.0	6.00	2.50		
Total BTEX	12.0	6.00	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/12/2019	ND	400	100	400	4.08	
TPH 8015M		mg/kg		Analyzed By: MS					
									S-06

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1050	50.0	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	9190	50.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	1680	50.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 175 % 41-142

Surrogate: 1-Chlorooctadecane 367 % 37.6-147

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 Fax To: (575) 397-0397

Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 2.5' (H902015-25)

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	06/14/2019	ND	2.20	110	2.00	0.104		
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/12/2019	ND	400	100	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.2	10.0	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	304	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	21.7	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 92.9 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 3' (H902015-26)

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	06/14/2019	ND	2.20	110	2.00	0.104		
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	11.5	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 94.8 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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Received:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 3.5' (H902015-27)

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	06/14/2019	ND	2.20	110	2.00	0.104		
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 95.6 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 4' (H902015-28)

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	06/14/2019	ND	2.20	110	2.00	0.104		
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	144	16.0	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 92.6 % 41-142

Surrogate: 1-Chlorooctadecane 93.2 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: NORTH @ SURFACE (H902015-29)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2019	ND	2.20	110	2.00	0.104	
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212	
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192	
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542	
Total BTEX	<0.300	0.300	06/14/2019	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	06/12/2019	ND	400	100	400	4.08	

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 99.9 % 41-142

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: EAST@ SURFACE (H902015-30)

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	06/14/2019	ND	2.20	110	2.00	0.104		
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542		
Total BTEX	<0.300	0.300	06/14/2019	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/12/2019	ND	400	100	400	4.08		

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	06/12/2019	ND	250	125	200	3.12	
DRO >C10-C28*	<10.0	10.0	06/12/2019	ND	223	111	200	4.72	
EXT DRO >C28-C36	<10.0	10.0	06/12/2019	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: WEST @ SURFACE (H902015-31)

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	06/14/2019	ND	2.20	110	2.00	0.104		
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	06/12/2019	ND	400	100	400	4.08		

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	06/11/2019	ND	196	98.0	200	0.305	
DRO >C10-C28*	<10.0	10.0	06/11/2019	ND	198	99.0	200	3.17	
EXT DRO >C28-C36	<10.0	10.0	06/11/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 104 % 37.6-147

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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:	06/10/2019	Sampling Date:	06/07/2019
Reported:	06/17/2019	Sampling Type:	Soil
Project Name:	WYATT AA FEDERAL #003	Sampling Condition:	Cool & Intact
Project Number:	(4/26/19)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SOUTH @ SURFACE (H902015-32)

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	06/14/2019	ND	2.20	110	2.00	0.104		
Toluene*	<0.050	0.050	06/14/2019	ND	2.22	111	2.00	0.212		
Ethylbenzene*	<0.050	0.050	06/14/2019	ND	2.05	103	2.00	0.192		
Total Xylenes*	<0.150	0.150	06/14/2019	ND	6.19	103	6.00	0.542		
Total BTEX	<0.300	0.300	06/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/12/2019	ND	400	100	400	4.08		

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	06/11/2019	ND	196	98.0	200	0.305	
DRO >C10-C28*	<10.0	10.0	06/11/2019	ND	198	99.0	200	3.17	
EXT DRO >C28-C36	<10.0	10.0	06/11/2019	ND					

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Caley D. Keene, Lab Director/Quality Manager

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101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

3 & 4

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: Cliff Brunson				P.O. #:																			
Address: P.O. Box 805				Company: <i>Oxy</i>																			
City: Hobbs		State: NM Zip: 88241		Attn: <i>Whitch</i>																			
Phone #: 575-397-6388		Fax #: 575-397-0397		Address:																			
Project #:		Project Owner: Oxy		City:																			
Project Name: Wyatt AA Federal #003 (4/26/19)				State: Zip:																			
Project Location: Lea County, NM				Phone #:																			
Sampler Name: Jeff Ornelas				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		GRAB OR (COMP.) # CONTAINERS		MATRIX		PRESERV.		SAMPLING													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME													
<i>H902015</i>				<i>1</i>																			
<i>21</i>		SP3 @ 4'		<i>1</i>						6/7/19 10:55 AM		<i>✓</i>											
<i>22</i>		SP4 @ SURFACE		<i>1</i>						6/7/19 10:59 AM		<i>✓</i>											
<i>23</i>		SP4 @ 1'		<i>1</i>						6/7/19 11:11 AM		<i>✓</i>											
<i>24</i>		SP4 @ 2'		<i>1</i>						6/7/19 11:27 AM		<i>✓</i>											
<i>25</i>		SP4 @ 2.5'		<i>1</i>						6/7/19 11:51 AM		<i>✓</i>											
<i>26</i>		SP4 @ 3'		<i>1</i>						6/7/19 1:11 PM		<i>✓</i>											
<i>27</i>		SP4 @ 3.5'		<i>1</i>						6/7/19 1:39 PM		<i>✓</i>											
<i>28</i>		SP4 @ 4'		<i>1</i>						6/7/19 2:09 PM		<i>✓</i>											
<i>29</i>		NORTH @ SURFACE		<i>1</i>						6/7/19 2:15 PM		<i>✓</i>											
<i>30</i>		EAST @ SURFACE		<i>1</i>						6/7/19 2:20 PM		<i>✓</i>											

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Relinquished By: <i>Jeff Ornelas</i>		Date: <i>6/7/19</i>	Received By: <i>Shantana</i>		Phone Result: ☐ Yes ☐ No		Add'l Phone #:	
		Time: <i>5:30 PM</i>			Fax Result: ☐ Yes ☐ No		Add'l Fax #:	
Relinquished By: <i>Shantana</i>		Date: <i>6/10/19</i>	Received By: <i>Jamara Roldan</i>		REMARKS:			
		Time: <i>4:30 PM</i>						
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>2-3: #97</i>		Sample Condition Cool Intact ☐ Yes ☐ No		CHECKED BY: (Initials) <i>TC</i>				

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