



APPROVED

By **CHernandez at 5:38 pm, Jan 16, 2019**

DELINEATION WORKPLAN

OXY – BELL LAKE 27 FEDERAL BATTERY (Leak Date: 8/29/18)

RP # 1RP-5182

This delineation workplan and remediation proposal addresses the releases associated with RP # 1RP-5182.

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 areas near SP1-SP2, and SP4-SP7 (YELLOW shade on diagram) will be excavated to a depth of 1 foot. The leak area near SP3 (BLUE shade on diagram) will be excavated to a depth of 5 feet.

Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 160 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.

Incident ID	
District RP	1RP-5182
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?	66 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-5182
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 Specialist
 Signature: *Wade Dittrich* Date: 10-31-18
 email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	1RP-5182
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 Specialist
 Signature:  Date: 10-31-18
 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, Bell Lake 27 Federal Battery

Leak date: 8/29/18
Lea County, NM
AP# 30-025-36046
1RP-5182

Incorrect well.
30-025-38562

- Legend**
- 1 ft Excavation
 - 5 ft Excavation
 - Leak Area
 - Sample points



Oxy, Bell Lake 27 Federal Battery

Sample points

SP1, N 32.244356 W-103.49834

SP2, N 32.24436 W-103.49844

SP3, N 32.24437 W-103.49854

SP4, N 32.24442 W-103.49851

SP5, N 32.24451 W-103.49851

SP6, N 32.24452 W-103.49838

SP7, N 32.24450 W-103.49826

NORTH, N 32.24458 W-103.49842

SOUTH, N 32.24434 W-103.49854

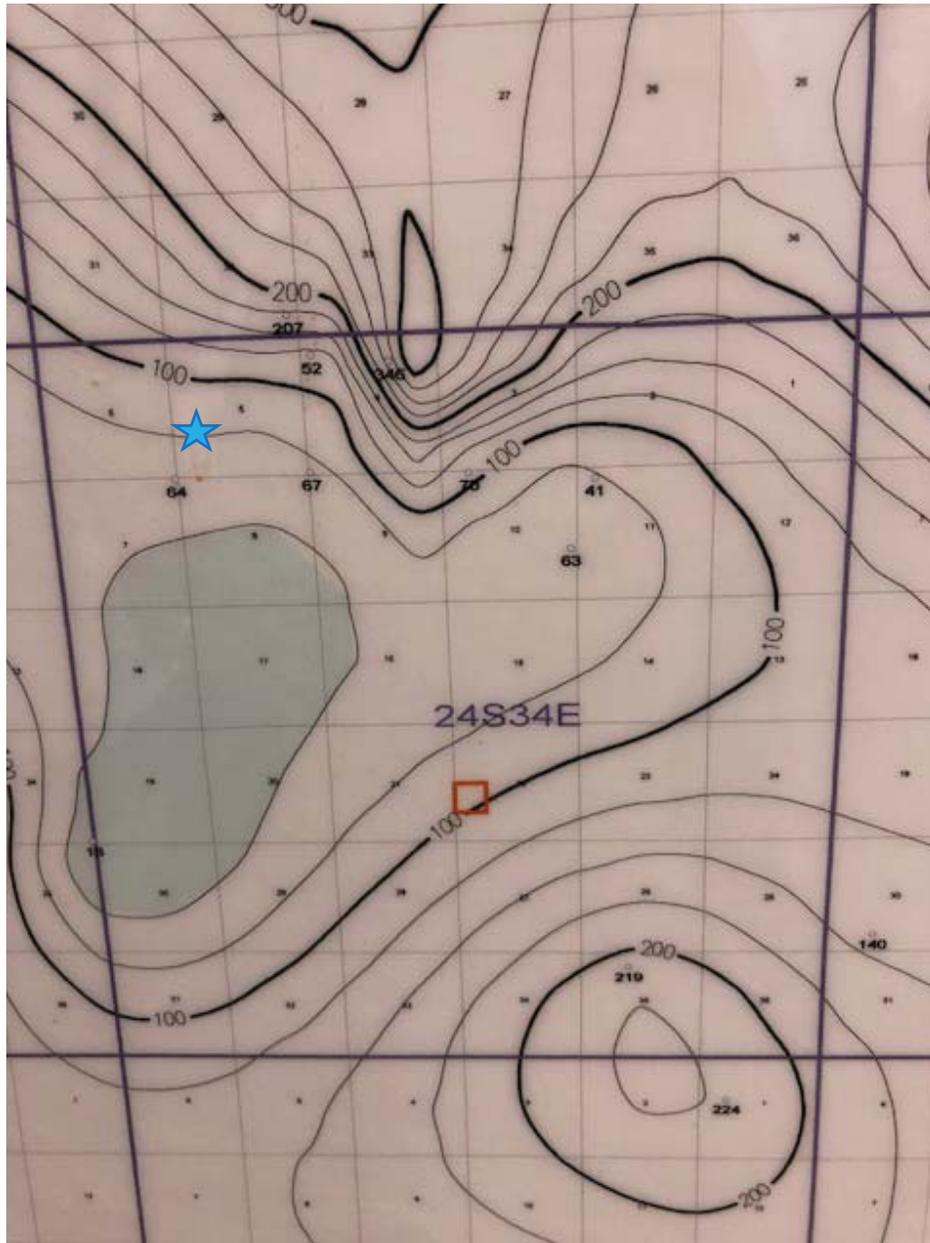
EAST, N 32.24448 W-103.49817

WEST, N 32.24439 W-103.49858

Oxy, Bell Lake 27 Federal Battery

U/L L, Section 5, T24S, R34E

Groundwater: 75'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03932 POD3	CUB	LE	4	3	2	05	24S	34E	642442	3568787		1004	100		
C 03620 POD1	CUB	LE	1	4	3	32	23S	34E	641790	3569941		1425	480	130	350
C 04014 POD1	CUB	LE	1	1	3	06	24S	34E	639811	3568638		1655	91	81	10

Average Depth to Water: **105 feet**
 Minimum Depth: **81 feet**
 Maximum Depth: **130 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 641465

Northing (Y): 3568554

Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category: Geographic Area:

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- [Please see news on new formats](#)
- **As of 10 a.m. Monday, October 29, approximately 9 percent of USGS streamgages are still not transmitting due to an issue with the telemetry system that records and transmits streamgage data. The USGS continues to work on prioritized streamgages, those in geographic areas expected to receive rainfall over the next few days, replacing the component that transmits the data as quickly as possible. The USGS is working hand-in-hand with the manufacturer to find a solution to the transmitter issue.**

The data on the streamgages is being preserved for download and has not been lost. Read [more](#)

- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 321404103290101

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

USGS 321404103290101 24S.34E.04.33333

Lea County, New Mexico
 Latitude 32°14'04", Longitude 103°29'01" NAD27
 Land-surface elevation 3,571 feet above NAVD88
 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 measurement
1955-04-21		D	66.59			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.

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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?>

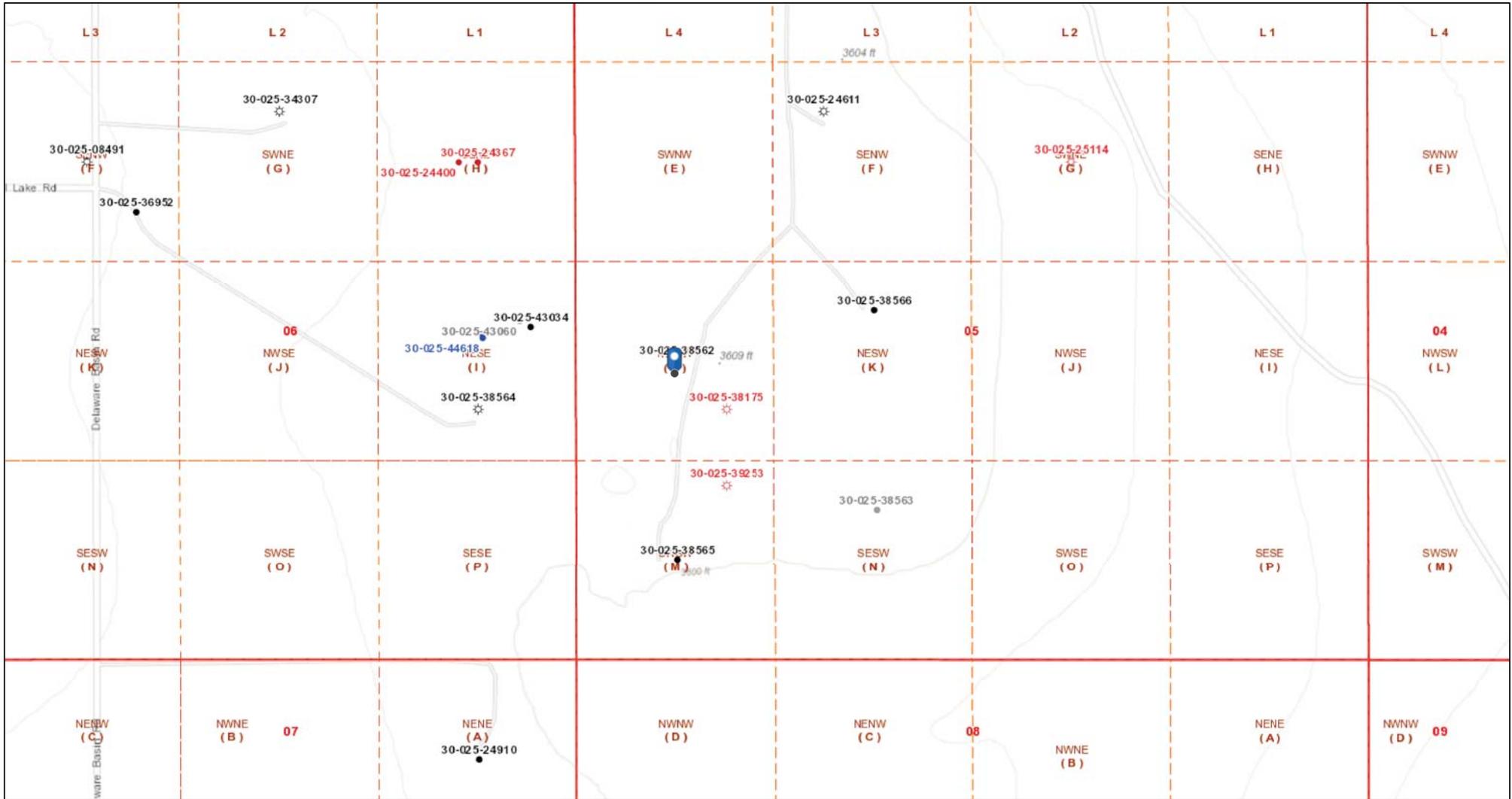


Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2018-10-30 18:34:30 EDT

0.5 0.44 nadww01

Bell Lake 27 Federal Battery, Topo w/ Water Feature Map



10/30/2018 4:40:41 PM

1:9,028

- Well Locations - Small Scale**
- Active
 - New
 - Plugged
 - Cancelled
 - Temporarily Abandoned

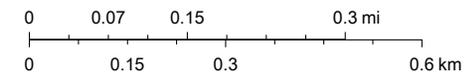
- Well Locations - Large Scale**
- Miscellaneous
 - CO2 Active
 - CO2 Cancelled
 - CO2 New
 - CO2 Plugged
 - CO2 Temporarily Abandoned

- ☆ Gas Active
- ☆ Gas, Cancelled, Never Drilled
- ☆ Gas, New
- ☆ Gas, Plugged
- ☆ Gas, Temporarily Abandoned
- ☆ Injection, Active

- ☆ Injection, Cancelled
- ☆ Injection, New
- ☆ Injection, Plugged
- ☆ Injection, Temporarily Abandoned
- Oil, Active
- Oil, Cancelled

- Oil, New
- Oil, Plugged
- Oil, Temporarily Abandoned
- △ Salt Water Injection, Active
- △ Salt Water Injection, Cancelled
- △ Salt Water Injection, New

- △ Salt Water Injection, Plugged
- △ Salt Water Injection Temporarily Abandoned
- Water, Active
- Water, Cancelled
- Water, New
- Water, Plugged



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, OCD, BLM

Oxy, Bell Lake Federal Battery

Leak date: 8/29/18
Lea County, NM
AP# 30-025-36046

BLM Cave Karst Map

Legend

-  Bell Lake Federal Battery
-  LOW potential, BLM Cave Karst Map

 Bell Lake Federal Battery



National Flood Hazard Layer FIRMMette



Legend

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

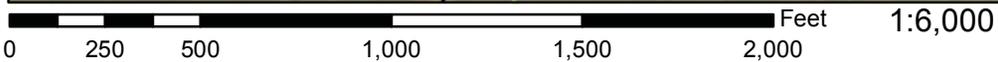
SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage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

103°30'13.04"W
32°14'55.63"N



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



32°14'25.20"N
103°29'35.68"W

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 9/4/2018 at 6:32:37 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
Bell Lake Federal Battery (8/29/18)

Analyte	Method	Sample ID	SP1 @	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'	SP1 @ 4'
			SURFACE	10/9/18	10/9/18	10/9/18	10/9/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.071	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		2.05	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.14	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		8.83	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		13.1	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		16	16	<16.0	32	16
GRO	TPH 8015M		245	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		20700	175	12.9	<10.0	<10.0
EXT DRO	TPH 8015M		4750	99.9	16.8	<10.0	<10.0

Analyte	Method	Sample ID	SP2 @	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'	SP2 @ 4'
			SURFACE	10/9/18	10/9/18	10/9/18	10/9/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.249	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		5.14	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		3.57	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		14.2	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		23.2	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		<16.0	32	16	<16.0	32
GRO	TPH 8015M		359	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		25400	124	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		5440	56	<10.0	<10.0	<10.0

Analyte	Method	Sample ID	SP3 @	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'
			SURFACE	10/9/18	10/9/18	10/9/18	10/9/18	10/9/18	10/9/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.488	0.248	<0.500	<0.500	<0.500	<0.050	<0.050
Toluene	BTEX 8021B		6.16	5.82	3.14	2.91	1.5	<0.050	<0.050
Ethylbenzene	BTEX 8021B		5.66	10	7.76	5.85	4.22	<0.050	<0.050
Total Xylenes	BTEX 8021B		21.7	35.4	28.7	20.9	13	<0.150	<0.150
Total BTEX	BTEX 8021B		34	51.5	39.6	29.7	18.7	<0.300	<0.300
Chloride	SM4500Cl-B		96	32	32	64	32	48	64
GRO	TPH 8015M		787	859	1030	953	544	<10.0	<10.0
DRO	TPH 8015M		23500	4450	6760	6830	3980	<10.0	<10.0
EXT DRO	TPH 8015M		4010	720	931	987	568	<10.0	<10.0

Analyte	Method	Sample ID	SP4 @	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'
			SURFACE	10/9/18	10/9/18	10/9/18	10/9/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.262	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		4.71	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		4.31	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		14.8	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		24.1	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		80	32	<16.0	64	48
GRO	TPH 8015M		301	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		15800	103	15.9	<10.0	<10.0
EXT DRO	TPH 8015M		3270	23.1	<10.0	<10.0	<10.0

Laboratory Analytical Results Summary
Bell Lake Federal Battery (8/29/18)

Analyte	Method	Sample ID	SP5 @	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'
			SURFACE				
Date			10/9/18	10/9/18	10/9/18	10/9/18	10/9/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		0.231	<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		4.46	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		4.31	<0.050	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		15	<0.150	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		24	<0.300	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		64	48	16	32	32
GRO	TPH 8015M		340	<10.0	<10.0	<10.0	<10.0
DRO	TPH 8015M		17700	110	<10.0	<10.0	<10.0
EXT DRO	TPH 8015M		3640	28.3	<10.0	<10.0	<10.0

Analyte	Method	Sample ID	SP6 @	SP6 @ 1'	SP6 @ 2'	SP6 @ 3'
			SURFACE			
Date			10/9/18	10/11/18	10/11/18	10/11/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.837	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.955	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		3.43	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		5.23	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		816	240	96	80
GRO	TPH 8015M		91.9	<10.0	<10.0	<10.0
DRO	TPH 8015M		13100	36.1	<10.0	<10.0
EXT DRO	TPH 8015M		3020	13.9	<10.0	<10.0

Analyte	Method	Sample ID	SP7 @	SP7 @ 1'	SP7 @ 2'	SP7 @ 3'
			SURFACE			
Date			10/11/18	10/11/18	10/11/18	10/11/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050
Toluene	BTEX 8021B		0.306	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B		0.517	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B		2.55	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B		3.37	<0.300	<0.300	<0.300
Chloride	SM4500Cl-B		128	64	80	96
GRO	TPH 8015M		102	<10.0	<10.0	<10.0
DRO	TPH 8015M		20600	38.9	<10.0	<10.0
EXT DRO	TPH 8015M		4220	30.7	<10.0	<10.0

Analyte	Method	Sample ID	NORTH @	EAST @	WEST @	SOUTH @
			SURFACE	SURFACE	SURFACE	SURFACE
Date			10/11/18	10/11/18	10/11/18	10/11/18
			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		64	112	64	112
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

October 19, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BELL LAKE FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/16/18 15:55.

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,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ SURFACE (H802965-01)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.071	0.050	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	2.05	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	2.14	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	8.83	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	13.1	0.300	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 69.8-142

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	10/17/2018	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*	245	50.0	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	20700	50.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	4750	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 122 % 41-142

Surrogate: 1-Chlorooctadecane 923 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 1' (H802965-02)

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	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	<0.050	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	<0.050	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	<0.150	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	<0.300	0.300	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359	
DRO >C10-C28*	175	10.0	10/17/2018	ND	190	95.2	200	0.860	
EXT DRO >C28-C36	99.9	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 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:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 2' (H802965-03)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2018	ND	2.09	104	2.00	2.94		
Toluene*	<0.050	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98		
Ethylbenzene*	<0.050	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87		
Total Xylenes*	<0.150	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54		
Total BTEX	<0.300	0.300	10/17/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	12.9	10.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	16.8	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 3' (H802965-04)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2018	ND	2.09	104	2.00	2.94		
Toluene*	<0.050	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98		
Ethylbenzene*	<0.050	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87		
Total Xylenes*	<0.150	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54		
Total BTEX	<0.300	0.300	10/17/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
 P.O. Box 805
 Hobbs NM, 88241
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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 1 @ 4' (H802965-05)

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	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	<0.050	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	<0.050	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	<0.150	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	<0.300	0.300	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359	
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	190	95.2	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 99.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ SURFACE (H802965-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.249	0.050	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	5.14	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	3.57	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	14.2	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	23.2	0.300	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 69.8-142

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	10/17/2018	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*	359	50.0	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	25400	50.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	5440	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 127 % 41-142

Surrogate: 1-Chlorooctadecane 785 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 1' (H802965-07)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2018	ND	2.09	104	2.00	2.94	
Toluene*	<0.050	0.050	10/18/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359	
DRO >C10-C28*	124	10.0	10/17/2018	ND	190	95.2	200	0.860	
EXT DRO >C28-C36	56.0	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 2' (H802965-08)

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	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	<0.050	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	<0.050	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	<0.150	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	<0.300	0.300	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359	
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	190	95.2	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 BBC International, Inc.
 Cliff Brunson
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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 3' (H802965-09)

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	10/17/2018	ND	2.09	104	2.00	2.94		
Toluene*	<0.050	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98		
Ethylbenzene*	<0.050	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87		
Total Xylenes*	<0.150	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54		
Total BTEX	<0.300	0.300	10/17/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 101 % 37.6-147

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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:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 2 @ 4' (H802965-10)

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	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	<0.050	0.050	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	<0.050	0.050	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	<0.150	0.150	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	<0.300	0.300	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	173	86.7	200	0.359	
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	190	95.2	200	0.860	
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 99.2 % 41-142

Surrogate: 1-Chlorooctadecane 94.6 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ SURFACE (H802965-11)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.488	0.200	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	6.16	0.200	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	5.66	0.200	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	21.7	0.600	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	34.0	1.20	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 69.8-142

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	10/17/2018	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*	787	50.0	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	23500	50.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	4010	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 1090 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 1' (H802965-12)

BTEX 8021B		mg/kg		Analyzed By: ms				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.248	0.200	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	5.82	0.200	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	10.0	0.200	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	35.4	0.600	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	51.5	1.20	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 157 % 69.8-142

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	10/17/2018	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*	859	50.0	10/17/2018	ND	173	86.7	200	0.359	
DRO >C10-C28*	4450	50.0	10/17/2018	ND	190	95.2	200	0.860	
EXT DRO >C28-C36	720	50.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 57.8 % 41-142

Surrogate: 1-Chlorooctadecane 97.4 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 2' (H802965-13)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	3.14	0.500	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	7.76	0.500	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	28.7	1.50	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	39.6	3.00	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 69.8-142

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	10/17/2018	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*	1030	50.0	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	6760	50.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	931	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 190 % 41-142

Surrogate: 1-Chlorooctadecane 173 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 3' (H802965-14)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/17/2018	ND	2.09	104	2.00	2.94	
Toluene*	2.91	0.500	10/17/2018	ND	1.96	98.0	2.00	2.98	
Ethylbenzene*	5.85	0.500	10/17/2018	ND	1.95	97.5	2.00	3.87	
Total Xylenes*	20.9	1.50	10/17/2018	ND	5.88	98.0	6.00	3.54	
Total BTEX	29.7	3.00	10/17/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 69.8-142

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	10/17/2018	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*	953	50.0	10/17/2018	ND	173	86.7	200	0.359		
DRO >C10-C28*	6830	50.0	10/17/2018	ND	190	95.2	200	0.860		
EXT DRO >C28-C36	987	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 183 % 41-142

Surrogate: 1-Chlorooctadecane 156 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 4' (H802965-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	1.50	0.500	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	4.22	0.500	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	13.0	1.50	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	18.7	3.00	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 69.8-142

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	10/17/2018	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*	544	50.0	10/17/2018	ND	175	87.4	200	4.81	QM-07	
DRO >C10-C28*	3980	50.0	10/17/2018	ND	171	85.4	200	6.31	QM-07	
EXT DRO >C28-C36	568	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 137 % 41-142

Surrogate: 1-Chlorooctadecane 210 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 5' (H802965-16)

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	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	175	87.4	200	4.81	
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	171	85.4	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 89.8 % 41-142

Surrogate: 1-Chlorooctadecane 90.1 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 3 @ 6' (H802965-17)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.8-142

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	10/17/2018	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	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 83.8 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ SURFACE (H802965-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.262	0.050	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	4.71	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	4.31	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	14.8	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	24.1	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	301	50.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	15800	50.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	3270	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 132 % 41-142

Surrogate: 1-Chlorooctadecane 738 % 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:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 1' (H802965-19)

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	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81	
DRO >C10-C28*	103	10.0	10/17/2018	ND	171	85.4	200	6.31	
EXT DRO >C28-C36	23.1	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 98.5 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 2' (H802965-20)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	15.9	10.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 97.0 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 3' (H802965-21)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 94.2 % 41-142
Surrogate: 1-Chlorooctadecane 94.1 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 4 @ 4' (H802965-22)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 94.4 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ SURFACE (H802965-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.231	0.050	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	4.46	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	4.31	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	15.0	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	24.0	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	340	50.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	17700	50.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	3640	50.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 819 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ 1' (H802965-24)

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	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81	
DRO >C10-C28*	110	10.0	10/17/2018	ND	171	85.4	200	6.31	
EXT DRO >C28-C36	28.3	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 99.6 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ 2' (H802965-25)

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	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81	
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	171	85.4	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 91.9 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ 3' (H802965-26)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 93.8 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 5 @ 4' (H802965-27)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 93.3 % 41-142

Surrogate: 1-Chlorooctadecane 93.2 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/09/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 6 @ SURFACE (H802965-28)

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	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	0.837	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	0.955	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	3.43	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	5.23	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	91.9	50.0	10/17/2018	ND	175	87.4	200	4.81	
DRO >C10-C28*	13100	50.0	10/17/2018	ND	171	85.4	200	6.31	
EXT DRO >C28-C36	3020	50.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 668 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 6 @ 1' (H802965-29)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	175	87.4	200	4.81		
DRO >C10-C28*	36.1	10.0	10/17/2018	ND	171	85.4	200	6.31		
EXT DRO >C28-C36	13.9	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 97.4 % 41-142

Surrogate: 1-Chlorooctadecane 99.6 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 6 @ 2' (H802965-30)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	198	99.1	200	2.88		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	215	108	200	4.89		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 95.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.0 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 6 @ 3' (H802965-31)

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	10/18/2018	ND	2.11	105	2.00	0.368		
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	198	99.1	200	2.88		
DRO >C10-C28*	<10.0	10.0	10/17/2018	ND	215	108	200	4.89		
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND						

Surrogate: 1-Chlorooctane 95.9 % 41-142

Surrogate: 1-Chlorooctadecane 90.2 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 7 @ SURFACE (H802965-32)

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	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	0.306	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	0.517	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	2.55	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	3.37	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	102	50.0	10/17/2018	ND	198	99.1	200	2.88	
DRO >C10-C28*	20600	50.0	10/17/2018	ND	215	108	200	4.89	
EXT DRO >C28-C36	4220	50.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 582 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 7 @ 1' (H802965-33)

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	10/18/2018	ND	2.11	105	2.00	0.368	
Toluene*	<0.050	0.050	10/18/2018	ND	2.09	105	2.00	0.0329	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	2.15	107	2.00	0.186	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	6.20	103	6.00	0.874	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	198	99.1	200	2.88	
DRO >C10-C28*	38.9	10.0	10/17/2018	ND	215	108	200	4.89	
EXT DRO >C28-C36	30.7	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 99.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.5 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 7 @ 2' (H802965-34)

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	10/18/2018	ND	2.02	101	2.00	0.618	
Toluene*	<0.050	0.050	10/18/2018	ND	1.90	95.2	2.00	1.04	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.90	95.0	2.00	0.383	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.73	95.4	6.00	0.0104	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2018	ND	186	93.1	200	7.22	
DRO >C10-C28*	<10.0	10.0	10/18/2018	ND	202	101	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	10/18/2018	ND					

Surrogate: 1-Chlorooctane 91.7 % 41-142

Surrogate: 1-Chlorooctadecane 99.2 % 37.6-147

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Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SP 7 @ 3' (H802965-35)

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	10/18/2018	ND	2.02	101	2.00	0.618		
Toluene*	<0.050	0.050	10/18/2018	ND	1.90	95.2	2.00	1.04		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.90	95.0	2.00	0.383		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.73	95.4	6.00	0.0104		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/18/2018	ND	186	93.1	200	7.22		
DRO >C10-C28*	<10.0	10.0	10/18/2018	ND	202	101	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	10/18/2018	ND						

Surrogate: 1-Chlorooctane 94.6 % 41-142

Surrogate: 1-Chlorooctadecane 91.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: NORTH @ SURFACE (H802965-36)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2018	ND	2.02	101	2.00	0.618		
Toluene*	<0.050	0.050	10/18/2018	ND	1.90	95.2	2.00	1.04		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.90	95.0	2.00	0.383		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.73	95.4	6.00	0.0104		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/18/2018	ND	186	93.1	200	7.22		
DRO >C10-C28*	<10.0	10.0	10/18/2018	ND	202	101	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	10/18/2018	ND						

Surrogate: 1-Chlorooctane 93.3 % 41-142

Surrogate: 1-Chlorooctadecane 88.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: EAST @ SURFACE (H802965-37)

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/18/2018	ND	2.02	101	2.00	0.618		
Toluene*	<0.050	0.050	10/18/2018	ND	1.90	95.2	2.00	1.04		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.90	95.0	2.00	0.383		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.73	95.4	6.00	0.0104		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/18/2018	ND	186	93.1	200	7.22		
DRO >C10-C28*	<10.0	10.0	10/18/2018	ND	202	101	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	10/18/2018	ND						

Surrogate: 1-Chlorooctane 91.6 % 41-142
Surrogate: 1-Chlorooctadecane 86.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: WEST @ SURFACE (H802965-38)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2018	ND	2.02	101	2.00	0.618	
Toluene*	<0.050	0.050	10/18/2018	ND	1.90	95.2	2.00	1.04	
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.90	95.0	2.00	0.383	
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.73	95.4	6.00	0.0104	
Total BTEX	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2018	ND	186	93.1	200	7.22	
DRO >C10-C28*	<10.0	10.0	10/18/2018	ND	202	101	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	10/18/2018	ND					

Surrogate: 1-Chlorooctane 88.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	10/16/2018	Sampling Date:	10/11/2018
Reported:	10/19/2018	Sampling Type:	Soil
Project Name:	BELL LAKE FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	(8/29/18)	Sample Received By:	Tamara Oldaker
Project Location:	OXY - LEA CO NM		

Sample ID: SOUTH @ SURFACE (H802965-39)

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	10/18/2018	ND	2.02	101	2.00	0.618		
Toluene*	<0.050	0.050	10/18/2018	ND	1.90	95.2	2.00	1.04		
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.90	95.0	2.00	0.383		
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.73	95.4	6.00	0.0104		
Total BTEX	<0.300	0.300	10/18/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.8-142

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	10/18/2018	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/18/2018	ND	186	93.1	200	7.22		
DRO >C10-C28*	<10.0	10.0	10/18/2018	ND	202	101	200	1.16		
EXT DRO >C28-C36	<10.0	10.0	10/18/2018	ND						

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 81.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

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



