



## DELINEATION WORKPLAN

### OXY – SOLOMON STATE COM #1H (Leak Date: 9/24/18)

#### RP # 2RP-5019

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This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-5019.

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 proposes no remediation is required at this site. The delineation laboratory results verify all contaminants of concern are well below Table 1 levels based on depth to groundwater.***

***OXY has enclosed the closure page of the C-141 and deems that RP# 2RP-5019 is closed.***

Incident ID	NMAP1829562807
District RP	2RP-5019
Facility ID	MAP1829562550
Application ID	pMAP1829562293

### 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?	145 (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.*

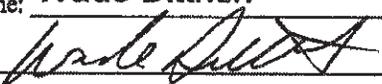
- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the 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	NMAP1829582807
District RP	2RP-5019
Facility ID	fMAP1829582550
Application ID	pMAP1829582293

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: 11-2-18  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NMAP1829562807
District RP	2RP-5019
Facility ID	fMAP1829562550
Application ID	pMAP1829562293

## Remediation Plan

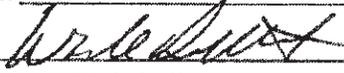
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- 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: 11-2-18  
 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: \_\_\_\_\_

Incident ID	NMAP1829562807
District RP	2RP-5019
Facility ID	MAP1829562550
Application ID	pMAP1829562293

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich Title: Environmental Specialist  
 Signature:  Date: 11-2-18  
 email: wade\_dittrich@oxy.com Telephone: (575) 390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

# Oxy, Solomon State Com #1H

Leak date 9/24/18  
Eddy County, NM  
2RP-5019, NMAP1829562807

## Legend

-  Leak Area (red outline)
-  Sample points

**NO REMEDIATION NECESSARY**



Oxy, Solomon State Com #1H

Sample points

SP1, N 32.67857 W-104.05750

SP2, N 32.67868 W-104.05754

SP3, N 32.67864 W-104.05748

SP4, N 32.67870 W-104.05747

SP5, N 32.67859 W-104.05742

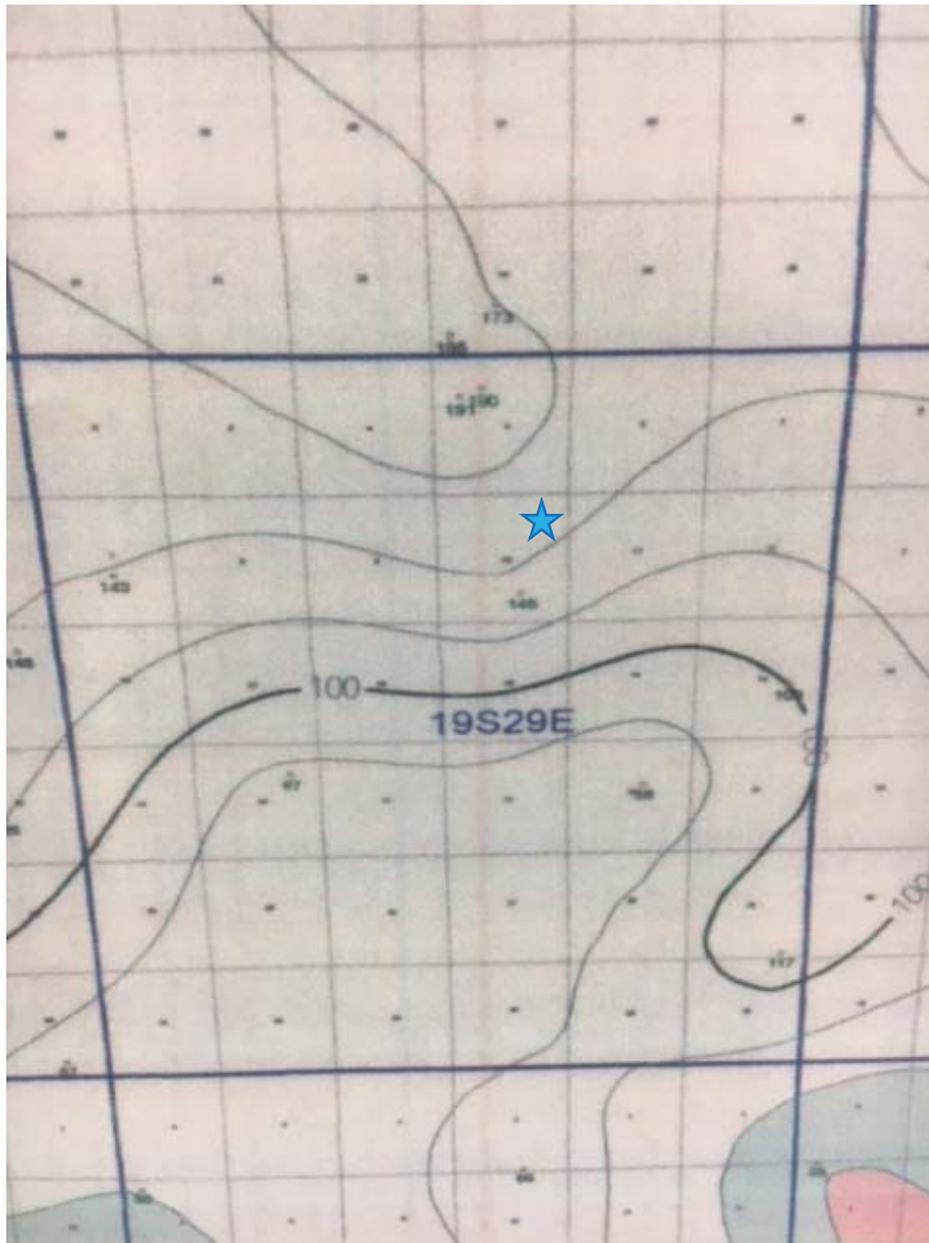
NORTH, N 32.67863 W-104.05752

SOUTH, N 32.67855 W-104.05744

EAST, N 32.67865 W-104.05741

WEST, N 32.67861 W-104.05754

**Oxy, Solomon State Com 1H**  
**U/L A, Section 10, T19S, R29E**  
**Groundwater: 150'**





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# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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No records found.

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 588479

**Northing (Y):** 3616274

**Radius:** 900



USGS Home  
 Contact USGS  
 Search USGS

National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:  Geographic Area:

Click to hide News Bulletins

- [Please see news on new formats](#)
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

**Search Results -- 1 sites found**

Agency code = usgs  
 site\_no list = 

- 324019104033201

Minimum number of levels = 1

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

**USGS 324019104033201 19S.29E.10.43211**

Eddy County, New Mexico  
 Latitude 32°40'19", Longitude 104°03'32" NAD27  
 Land-surface elevation 3,371 feet above NAVD88  
 The depth of the well is 153 feet below land surface.  
 This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

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
1965-12-09		D	147.59				2		U	
1968-04-03		D	145.99				2		U	
1971-02-01		D	145.84				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: 2018-10-16 11:26:55 EDT

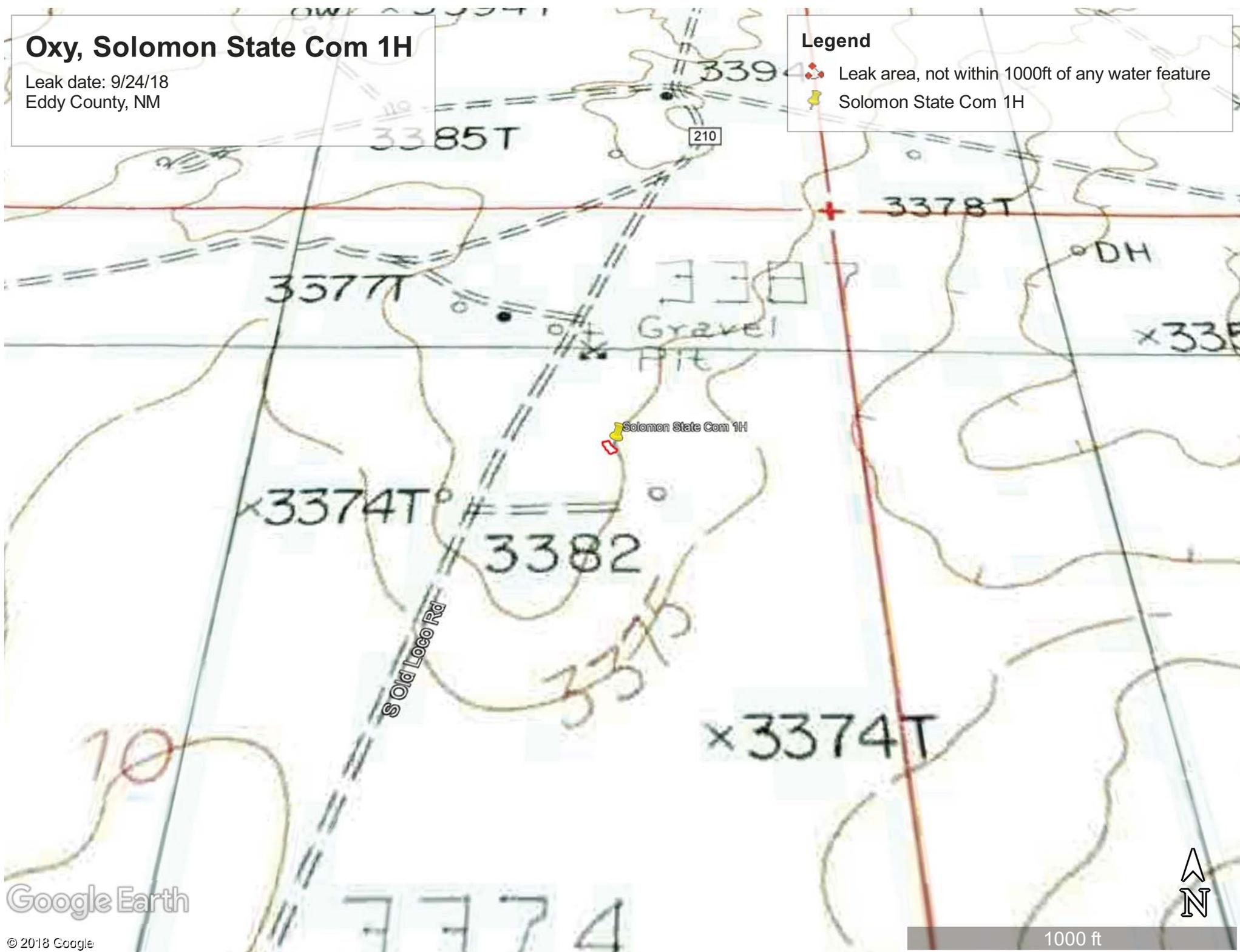
46.19 0.43 nadww01

# Oxy, Solomon State Com 1H

Leak date: 9/24/18  
Eddy County, NM

## Legend

-  Leak area, not within 1000ft of any water feature
-  Solomon State Com 1H



# Oxy, Solomon State Com 1H

Leak date: 9/24/18  
Eddy County, NM

## BLM CAVE KARST MAP

### Legend

-  HIGH potential
-  LOW potential
-  Solomon State Com 1H



# National Flood Hazard Layer FIRMMette



32°40'58.28"N



104°34'5.40"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
	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.

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 **10/16/2018 at 11:30:02 AM** 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.



104°37.95"W

32°40'28.00"N

Laboratory Analytical Results Summary  
Solomon State Com #1H (9/24/18)

Analyte	Method	Sample ID	SP1 @	SP1 @ 1'	SP1 @ 2'	SP1 @ 3'
			SURFACE	10/18/18	10/18/18	10/18/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		80	640	80	80
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

Analyte	Method	Sample ID	SP2 @	SP2 @ 1'	SP2 @ 2'	SP2 @ 3'
			SURFACE	10/18/18	10/18/18	10/18/18
			mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		64	768	112	<16.0
GRO	TPH 8015M		<10.0	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	12.1	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	n/a	n/a

Analyte	Method	Sample ID	SP3 @	SP3 @ 1'	SP3 @ 2'	SP3 @ 3'	SP3 @ 4'	SP3 @ 5'	SP3 @ 6'	SP3 @ 7'	SP3 @ 8'
			SURFACE	10/18/18	10/18/18	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B		<0.050	<0.050	n/a						
Toluene	BTEX 8021B		<0.050	<0.050	n/a						
Ethylbenzene	BTEX 8021B		<0.050	<0.050	n/a						
Total Xylenes	BTEX 8021B		<0.150	<0.150	n/a						
Total BTEX	BTEX 8021B		<0.300	<0.300	n/a						
Chloride	SM4500Cl-B		576	208	208	176	624	704	576	272	240
GRO	TPH 8015M		<10.0	<10.0	n/a						
DRO	TPH 8015M		<10.0	68.6	n/a						
EXT DRO	TPH 8015M		<10.0	<10.0	n/a						

Analyte	Method	Sample ID	SP4 @	SP4 @ 1'	SP4 @ 2'	SP4 @ 3'	SP4 @ 4'	SP4 @ 5'
			SURFACE	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Benzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	0.128	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		80	96	192	112	240	256
GRO	TPH 8015M		<10.0	26.2	96.3	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	186	220	<10.0	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	n/a	n/a

Laboratory Analytical Results Summary  
Solomon State Com #1H (9/24/18)

Analyte	Method	Sample ID	SP5 @	SP5 @ 1'	SP5 @ 2'	SP5 @ 3'	SP5 @ 4'	SP5 @ 5'	SP5 @ 6'	SP5 @ 7'
			SURFACE							
			10/19/18	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18	10/19/18
			mg/kg	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	n/a	n/a
Toluene	BTEX 8021B		<0.050	<0.050	<b>0.57</b>	<b>0.443</b>	<0.050	<0.050	n/a	n/a
Ethylbenzene	BTEX 8021B		<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	n/a	n/a
Total Xylenes	BTEX 8021B		<0.150	<0.150	<0.150	<0.150	<0.150	<0.150	n/a	n/a
Total BTEX	BTEX 8021B		<0.300	<0.300	<b>0.57</b>	<b>0.443</b>	<0.300	<0.300	n/a	n/a
Chloride	SM4500Cl-B		<b>80</b>	<b>224</b>	<b>80</b>	<b>64</b>	<b>48</b>	<b>32</b>	<b>16</b>	<b>16</b>
GRO	TPH 8015M		<10.0	<10.0	<b>205</b>	<b>180</b>	<b>26.6</b>	<10.0	n/a	n/a
DRO	TPH 8015M		<10.0	<b>22.2</b>	<b>449</b>	<b>488</b>	<b>233</b>	<b>33.3</b>	n/a	n/a
EXT DRO	TPH 8015M		<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	n/a	n/a

Analyte	Method	Sample ID	NORTH @	EAST @	WEST @	SOUTH @
			SURFACE	SURFACE	SURFACE	SURFACE
			10/19/18	10/19/18	10/19/18	10/19/18
			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		<b>16</b>	<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

October 26, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: SOLOMON STATE COM #1H

Enclosed are the results of analyses for samples received by the laboratory on 10/22/18 15:50.

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](http://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:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 1 @ SURFACE (H803031-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	10/25/2018	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	10/23/2018	ND	201	100	200	0.602		
DRO >C10-C28*	<10.0	10.0	10/23/2018	ND	193	96.7	200	0.656		
EXT DRO >C28-C36	<10.0	10.0	10/23/2018	ND						

Surrogate: 1-Chlorooctane 89.7 % 41-142

Surrogate: 1-Chlorooctadecane 86.9 % 37.6-147

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\*=Accredited Analyte

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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:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 1 @ 1' (H803031-02)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59	
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26	
Total BTEX	<0.300	0.300	10/24/2018	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
<b>Chloride</b>	<b>640</b>	16.0	10/25/2018	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	10/23/2018	ND	201	100	200	0.602	
DRO >C10-C28*	<10.0	10.0	10/23/2018	ND	193	96.7	200	0.656	
EXT DRO >C28-C36	<10.0	10.0	10/23/2018	ND					

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 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:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 1 @ 2' (H803031-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	10/25/2018	ND	416	104	400	0.00	

**Sample ID: SP 1 @ 3' (H803031-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	10/25/2018	ND	416	104	400	0.00	

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

Received:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 2 @ SURFACE (H803031-05)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	64.0	16.0	10/25/2018	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	10/23/2018	ND	201	100	200	0.602		
DRO >C10-C28*	<10.0	10.0	10/23/2018	ND	193	96.7	200	0.656		
EXT DRO >C28-C36	<10.0	10.0	10/23/2018	ND						

Surrogate: 1-Chlorooctane 91.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.6 % 37.6-147

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

Received:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 2 @ 1' (H803031-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	
<b>Chloride</b>	<b>768</b>	16.0	10/25/2018	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	10/23/2018	ND	201	100	200	0.602		
<b>DRO &gt;C10-C28*</b>	<b>12.1</b>	10.0	10/23/2018	ND	193	96.7	200	0.656		
EXT DRO >C28-C36	<10.0	10.0	10/23/2018	ND						

Surrogate: 1-Chlorooctane 87.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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**Analytical Results For:**

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

Received:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 2 @ 2' (H803031-07)**

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	10/25/2018	ND	416	104	400	0.00	

**Sample ID: SP 2 @ 3' (H803031-08)**

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	10/25/2018	ND	416	104	400	0.00	

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**Analytical Results For:**

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

Received:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 3 @ SURFACE (H803031-09)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	
<b>Chloride</b>	<b>576</b>	16.0	10/25/2018	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	10/23/2018	ND	201	100	200	0.602		
DRO >C10-C28*	<10.0	10.0	10/23/2018	ND	193	96.7	200	0.656		
EXT DRO >C28-C36	<10.0	10.0	10/23/2018	ND						

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 94.1 % 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:	10/22/2018	Sampling Date:	10/18/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 3 @ 1' (H803031-10)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	
<b>Chloride</b>	<b>208</b>	16.0	10/25/2018	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	10/24/2018	ND	208	104	200	0.472		
<b>DRO &gt;C10-C28*</b>	<b>68.6</b>	10.0	10/24/2018	ND	202	101	200	1.73		
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND						

Surrogate: 1-Chlorooctane 94.3 % 41-142

Surrogate: 1-Chlorooctadecane 87.0 % 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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 3 @ 2' (H803031-11)**

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	10/25/2018	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 3' (H803031-12)**

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	10/25/2018	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 4' (H803031-13)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	10/25/2018	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 5' (H803031-14)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	10/25/2018	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 6' (H803031-15)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/25/2018	ND	416	104	400	0.00	

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 Fax To: (575) 397-0397

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 3 @ 7' (H803031-16)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>272</b>	16.0	10/25/2018	ND	416	104	400	0.00	

**Sample ID: SP 3 @ 8' (H803031-17)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>240</b>	16.0	10/25/2018	ND	416	104	400	0.00	

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

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 4 @ SURFACE (H803031-18)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	
<b>Chloride</b>	<b>80.0</b>	16.0	10/25/2018	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	10/24/2018	ND	208	104	200	0.472		
DRO >C10-C28*	<10.0	10.0	10/24/2018	ND	202	101	200	1.73		
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND						

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 78.8 % 37.6-147

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

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 4 @ 1' (H803031-19)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 142 % 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	
<b>Chloride</b>	<b>96.0</b>	16.0	10/25/2018	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>26.2</b>	10.0	10/24/2018	ND	208	104	200	0.472		
<b>DRO &gt;C10-C28*</b>	<b>186</b>	10.0	10/24/2018	ND	202	101	200	1.73		
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND						

Surrogate: 1-Chlorooctane 88.2 % 41-142

Surrogate: 1-Chlorooctadecane 82.6 % 37.6-147

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

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 4 @ 2' (H803031-20)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59		
<b>Toluene*</b>	<b>0.128</b>	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 182 % 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	
<b>Chloride</b>	<b>192</b>	16.0	10/25/2018	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10*</b>	<b>96.3</b>	10.0	10/24/2018	ND	208	104	200	0.472		
<b>DRO &gt;C10-C28*</b>	<b>220</b>	10.0	10/24/2018	ND	202	101	200	1.73		
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND						

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 91.3 % 37.6-147

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 Fax To: (575) 397-0397

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 4 @ 3' (H803031-21)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59	
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26	
Total BTEX	<0.300	0.300	10/24/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472	
DRO >C10-C28*	<10.0	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 37.6-147

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 Fax To: (575) 397-0397

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 4 @ 4' (H803031-22)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>240</b>	16.0	10/25/2018	ND	416	104	400	3.92	

**Sample ID: SP 4 @ 5' (H803031-23)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	10/25/2018	ND	416	104	400	3.92	

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Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 5 @ SURFACE (H803031-24)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59		
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	10/25/2018	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472		
DRO >C10-C28*	<10.0	10.0	10/24/2018	ND	202	101	200	1.73		
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND						

Surrogate: 1-Chlorooctane 84.2 % 41-142

Surrogate: 1-Chlorooctadecane 80.9 % 37.6-147

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

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 5 @ 1' (H803031-25)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59	
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26	
Total BTEX	<0.300	0.300	10/24/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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
<b>Chloride</b>	<b>224</b>	16.0	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472	
<b>DRO &gt;C10-C28*</b>	<b>22.2</b>	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.6 % 37.6-147

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 Fax To: (575) 397-0397

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 5 @ 2' (H803031-26)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59	
<b>Toluene*</b>	<b>0.570</b>	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26	
<b>Total BTEX</b>	<b>0.570</b>	0.300	10/24/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 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
<b>Chloride</b>	<b>80.0</b>	16.0	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>205</b>	10.0	10/24/2018	ND	208	104	200	0.472	
<b>DRO &gt;C10-C28*</b>	<b>449</b>	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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 Fax To: (575) 397-0397

Received:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 5 @ 3' (H803031-27)**

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/24/2018	ND	2.00	99.8	2.00	1.59	
<b>Toluene*</b>	<b>0.443</b>	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26	
<b>Total BTEX</b>	<b>0.443</b>	0.300	10/24/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 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
<b>Chloride</b>	<b>64.0</b>	16.0	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>180</b>	10.0	10/24/2018	ND	208	104	200	0.472	
<b>DRO &gt;C10-C28*</b>	<b>488</b>	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 91.6 % 37.6-147

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\*=Accredited Analyte

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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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 5 @ 4' (H803031-28)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59	
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26	
Total BTEX	<0.300	0.300	10/24/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 154 % 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
<b>Chloride</b>	<b>48.0</b>	16.0	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>26.6</b>	10.0	10/24/2018	ND	208	104	200	0.472	
<b>DRO &gt;C10-C28*</b>	<b>233</b>	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 91.8 % 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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 5 @ 5' (H803031-29)**

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	10/24/2018	ND	2.00	99.8	2.00	1.59	
Toluene*	<0.050	0.050	10/24/2018	ND	1.92	96.0	2.00	2.18	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.94	96.8	2.00	1.44	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.67	94.5	6.00	1.26	
Total BTEX	<0.300	0.300	10/24/2018	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
<b>Chloride</b>	<b>32.0</b>	16.0	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472	
<b>DRO &gt;C10-C28*</b>	<b>33.3</b>	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 86.5 % 41-142

Surrogate: 1-Chlorooctadecane 80.5 % 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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SP 5 @ 6' (H803031-30)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	10/25/2018	ND	416	104	400	3.92	

**Sample ID: SP 5 @ 7' (H803031-31)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	10/25/2018	ND	416	104	400	3.92	

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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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: NORTH @ SURFACE (H803031-32)**

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	10/24/2018	ND	1.92	96.1	2.00	0.0867	
Toluene*	<0.050	0.050	10/24/2018	ND	1.82	91.1	2.00	0.499	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.81	90.7	2.00	0.346	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.45	90.9	6.00	0.00717	
Total BTEX	<0.300	0.300	10/24/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472	
DRO >C10-C28*	<10.0	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 93.4 % 41-142

Surrogate: 1-Chlorooctadecane 85.5 % 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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: EAST @ SURFACE (H803031-33)**

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	10/24/2018	ND	1.81	90.4	2.00	0.255	
Toluene*	<0.050	0.050	10/24/2018	ND	1.72	86.0	2.00	0.574	
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.72	86.2	2.00	0.926	
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.17	86.2	6.00	1.60	
Total BTEX	<0.300	0.300	10/24/2018	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 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	<16.0	16.0	10/25/2018	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472	
DRO >C10-C28*	<10.0	10.0	10/24/2018	ND	202	101	200	1.73	
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND					

Surrogate: 1-Chlorooctane 95.6 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: WEST @ SURFACE (H803031-34)**

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	10/24/2018	ND	1.81	90.4	2.00	0.255		
Toluene*	<0.050	0.050	10/24/2018	ND	1.72	86.0	2.00	0.574		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.72	86.2	2.00	0.926		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.17	86.2	6.00	1.60		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 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	10/25/2018	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472		
DRO >C10-C28*	<10.0	10.0	10/24/2018	ND	202	101	200	1.73		
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND						

Surrogate: 1-Chlorooctane 95.6 % 41-142

Surrogate: 1-Chlorooctadecane 87.8 % 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:	10/22/2018	Sampling Date:	10/19/2018
Reported:	10/26/2018	Sampling Type:	Soil
Project Name:	SOLOMON STATE COM #1H	Sampling Condition:	Cool & Intact
Project Number:	( 9/24/18 )	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO NM		

**Sample ID: SOUTH @ SURFACE (H803031-35)**

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	10/24/2018	ND	1.81	90.4	2.00	0.255		
Toluene*	<0.050	0.050	10/24/2018	ND	1.72	86.0	2.00	0.574		
Ethylbenzene*	<0.050	0.050	10/24/2018	ND	1.72	86.2	2.00	0.926		
Total Xylenes*	<0.150	0.150	10/24/2018	ND	5.17	86.2	6.00	1.60		
Total BTEX	<0.300	0.300	10/24/2018	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 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	10/25/2018	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/24/2018	ND	208	104	200	0.472		
DRO >C10-C28*	<10.0	10.0	10/24/2018	ND	202	101	200	1.73		
EXT DRO >C28-C36	<10.0	10.0	10/24/2018	ND						

Surrogate: 1-Chlorooctane 95.3 % 41-142

Surrogate: 1-Chlorooctadecane 89.7 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- 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



---

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

1084

Company Name: BBC International, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company: Oxy													
City: Hobbs State: NM Zip: 88241		Attn: Dittich													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:													
Project #: Project Owner: Oxy		City:													
Project Name: Solomon State Com #1H (9/24/18)		State: Zip:													
Project Location: Eddy County, NM		Phone #:													
Sampler Name: Jeff Ornelas		Fax #:													

FOR LAB USE ONLY		GRAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	CI	BTEX	TPH/EXT
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
H803031	SP1 @ SURFACE	G			✓				✓		10/18/18	10:10 AM	✓	✓	✓	
2	SP1 @ 1'										10/18/18	10:30 AM	✓	✓	✓	
3	SP1 @ 2'										10/18/18	11:11 AM	✓			
4	SP1 @ 3'										10/18/18	11:30 AM	✓			
5	SP2 @ SURFACE										10/18/18	11:40 AM	✓	✓	✓	
6	SP2 @ 1'										10/18/18	11:55 AM	✓	✓	✓	
7	SP2 @ 2'										10/18/18	12:30 PM	✓			
8	SP2 @ 3'										10/18/18	1:11 PM	✓			
9	SP3 @ SURFACE										10/18/18	1:45 PM	✓	✓	✓	
10	SP3 @ 1'										10/18/18	2:39 PM	✓	✓	✓	

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Relinquished By: Jeff Ornelas	Date: 10/19/18 Time: 5:30pm	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: [Signature]	Date: 10-22-18 Time: 15:50	Received By: Tamara Aldridge	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -3.4c #97	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) TO.	REMARKS:	

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





**CARDINAL LABORATORIES**

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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

*3 of 4*

Company Name: BBC International, Inc.		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager: Cliff Brunson		P.O. #:													
Address: P.O. Box 805		Company:													
City: Hobbs State: NM Zip: 88241		Attn: <i>Oxy</i>													
Phone #: 575-397-6388 Fax #: 575-397-0397		Address:													
Project #: Project Owner: Oxy		City:													
Project Name: Solomon State Com #1H (9/24/18)		State: Zip:													
Project Location: Eddy County, NM		Phone #:													
Sampler Name: Jeff Ornelas		Fax #:													

FOR LAB USE ONLY		(GRAB OR C/COMP.)	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		DATE	TIME	CI	BTX	TPH-EXT
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER							
<i>H803031</i>																			
<i>21</i>	SP4 @ 3'	✓			✓					✓				10/19/18	11:45 AM	✓	✓	✓	
<i>22</i>	SP4 @ 4'													10/19/18	12:01 PM	✓			
<i>23</i>	SP4 @ 5'													10/19/18	12:15 PM	✓			
<i>24</i>	SP5 @ SURFACE													10/19/18	1:11 PM	✓	✓	✓	
<i>25</i>	SP5 @ 1'													10/19/18	1:15 PM	✓	✓	✓	
<i>26</i>	SP5 @ 2'													10/19/18	1:27 PM	✓	✓	✓	
<i>27</i>	SP5 @ 3'													10/19/18	1:40 PM	✓	✓	✓	
<i>28</i>	SP5 @ 4'													10/19/18	1:56 PM	✓	✓	✓	
<i>29</i>	SP5 @ 5'													10/19/18	2:15 PM	✓	✓	✓	
<i>30</i>	SP5 @ 6'													10/19/18	2:22 PM	✓	✓	✓	

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

Relinquished By: <i>Jeff Ornelas</i>	Date: <i>10/19/18</i> Time: <i>5:30pm</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Date: <i>10-22-18</i> Time: <i>15:50</i>	Received By: <i>Jamara Oldaker</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>-3.4c #97</i>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>TO.</i>	REMARKS:

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

