



January 10, 2025

**New Mexico Oil Conservation Division**

New Mexico Energy, Minerals, and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Closure Request  
Twin Lakes SA Unit #316 Flow Line Release  
Incident Number nAPP2405244149  
Chaves County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Oxy USA Inc. (Oxy), has prepared this *Closure Request* as a follow-up to the *Remediation Work Plan* (Work Plan) submitted to the New Mexico Oil Conservation Division (NMOCD) on February 29, 2024, and approved by NMOCD on March 13, 2024. This *Closure Request* documents assessment, excavation, and soil sampling activities performed at the Twin Lakes SA Unit #316 Flow Line Release (Site) to address historical impacted soil identified at the Site. Based on the remediation activities completed as outlined in the approved *Work Plan*, Oxy is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Number nAPP2405244149.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit I, Section 36, Township 8 South, Range 28 East, in Chaves County, New Mexico (33.576118, -104.036442) and is associated with oil and gas exploration and production operations on state land managed by the New Mexico State Land Office (NMSLO).

During 2021, the NMSLO completed an aerial imagery review of plugged and abandoned wells located on state land in Chaves County. Visible indications of a potential historical release were identified at the Site, and as the lease holder, Oxy was notified by the NMSLO of the need to investigate potential impacts to soil. Oxy contracted BBC International, Inc. (BBC) and Ensolum to conduct assessment and delineation activities within the potential historical release area identified by the NMSLO. Based on the delineation soil sample analytical results, a Notification of Release was submitted to the New Mexico Oil Conservation Division (NMOCD) on February 21, 2024. The release was assigned Incident Number nAPP2405244149.

Oxy is not the Operator of the Twin Lakes SA Unit #316 well and has no independent knowledge of the facts or circumstances surrounding the nature, content or volume of any release(s), contemporaneous to any such release(s). All information submitted by Oxy herein is based on Oxy's present day observations of the site. Oxy submits this *Closure Request* pursuant to an agreement with the NMSLO, as lessee of record.

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## CULTURAL PROPERTIES PROTECTION

The release occurred in a previously undisturbed pasture area; therefore, the Cultural Properties Protection Rule (CPP) was followed prior to disturbing the surface with mechanical equipment. An Archaeological Records Management System (ARMS) review and pedestrian survey were completed at the Site. No cultural resources were identified within or around the release extent. A Cultural Resources Cover Sheet and email correspondence with the SLO Cultural Resource Office are attached as Appendix A.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review were detailed in the approved *Work Plan* and summarized in the NMOCD permitting portal, Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) were applied:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

## SITE ASSESSMENT AND DELINEATION ACTIVITIES

As detailed in the *Work Plan*, Ensolum personnel were at the Site during January and February 2024, to evaluate the release extent based on information provided by the NMSLO and visual observations. Four surface soil samples (SS01 through SS04) were collected around the visible release extent to confirm the lateral extent of the surface release. Potholes were advanced at three sample points (PH01 through PH03) within the release, to delineate the vertical extent of impacted soil. The potholes were advanced to depths ranging from 4 feet to 6 feet bgs. Discrete delineation soil samples were collected from the potholes at depths ranging from the ground surface to 6 feet bgs. Soil from the potholes was field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the potholes were logged on lithologic soil sampling logs, which are included in Appendix B.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico, for analysis of the following constituents of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

Laboratory analytical results for surface soil samples SS01 through SS04 indicated all COC concentrations were compliant with the Site Closure Criteria and confirmed the lateral extent of the surface release. Laboratory analytical results for the delineation soil samples collected from pothole PH02 indicated that TPH concentrations exceeded the Site Closure Criteria at depths ranging from the

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ground surface to 1-foot bgs. Laboratory analytical results for the delineation soil samples collected from potholes PH01 and PH03 indicated that chloride concentrations exceeded the Site Closure Criteria at depths ranging from 2 feet to 3 feet bgs. The final depth delineation sample from each pothole was compliant with the Site Closure Criteria and successfully delineated the vertical extent of impacted soil. Laboratory analytical results are summarized on the attached Table 1.

Based on the soil sample analytical results, excavation activities were completed at the Site as outlined in the approved *Work Plan* and are detailed below.

## EXCAVATION ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

Between October 1, 2024, and December 12, 2024, BBC completed excavation of impacted soil around boreholes PH01 through PH03, as outlined in the approved *Work Plan*. Excavation activities were performed utilizing a track-mounted backhoe and transport vehicles. The excavation was completed to depths ranging from 2 feet to 4 feet bgs.

Following removal of impacted soil, BBC collected 5-point composite soil samples every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples BOTTOM 1 through BOTTOM 67 were collected from the floor of the excavation at depths ranging from 2 feet to 4 feet bgs. Composite soil samples SIDEWALL 1 through SIDEWALL 17 were collected from the sidewalls of the excavation at depths ranging from the ground surface to 4 feet bgs. The excavation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations were mapped utilizing a handheld GPS and are presented on Figure 3. Photographic documentation was completed during the excavation activities and a photographic log is included in Appendix C.

Laboratory analytical results for excavation floor samples BOTTOM 1 through BOTTOM 67 and excavation sidewall samples SIDEWALL 1 through SIDEWALL 17, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on the laboratory analytical results, no further excavation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix D.

The excavation measured approximately 13,300 square feet in areal extent. A total of approximately 1,565 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Gandy Marley Inc. (GMI) landfill located in Roswell, New Mexico.

## RECLAMATION ACTIVITIES

Upon completion of excavation activities and receipt of final laboratory analytical results, the excavation was backfilled with locally procured soil. One representative 5-point composite sample (BACKFILL) was collected from the backfill material. The backfill soil sample was handled and analyzed following the same procedures as described above. Laboratory analytical results for the backfill soil sample confirmed compliance with the NMOCD requirements for the reclaimed area to contain non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 milligrams per kilogram (mg/k) and TPH concentrations less than 100 mg/kg. Photographs of the backfilled excavation are provided in Appendix C. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical report is included as Appendix D.

Following backfill activities, the disturbed area was recontoured to match the surrounding topography. The reclaimed excavation area will be seeded during the Spring of 2025 when temperatures and

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precipitation are more conducive to vegetation growth. The Site will be seeded with the below NMSLO loamy sites seed mix at the rate specified in pounds of pure live seed (PLS) per acre.

Common Name	Variety	PLS/Acre
Black grama	VNS, Southern	1.0
Blue grama	Lovington	1.0
Sideoats grama	Vaughn, El Reno	4.0
Sand dropseed	VNS, Southern	2.0
Alkali sacaton	VNS, Southern	1.0
Little bluestem	Cimarron, Pastura	1.5

The seed mix will be applied via drill seeding or broadcast seeding. If broadcast seeding is selected, the PLS/acre will be doubled and the seed will be raked in by chaining or dragging the Site.

The Site will be monitored for vegetation growth to verify that reclamation activities were successful. Focus for this phase will be to prevent erosion and Site degradation, and to monitor for and treat invasive and noxious weed species.

- Erosion control of the newly reclaimed areas includes prompt revegetation and contouring of the surface to prevent concentrated surface water flow.
- Annual inspections will take place at the location to assess revegetation progress until vegetation is consistent with local natural vegetation density.
- If necessary, an additional application of the NMSLO seed mix will be applied.
- Noxious and invasive weeds will be identified and treated by a licensed contracted herbicide applicator or mechanically removed.

A *Re-vegetation Report* will be submitted to the NMOCD and NMSLO once vegetation growth in the reclaimed excavation area has a uniform vegetative cover that reflects a life-form ratio of plus or minus 50 percent (%) of pre-disturbance levels and a total percent plant cover of at least 70% of pre-disturbance levels, excluding noxious weeds, per NMAC 19.15.29.13 D.(3).

## CLOSURE REQUEST

As outlined in the approved *Work Plan*, excavation activities were conducted to address the historical impacted soil identified at the Site. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were compliant with the Site Closure Criteria. Based on excavation and soil sampling activities completed as outlined in the *Work Plan*, no further remediation is required.

Excavation of impacted soil has mitigated impacts at this Site. Oxy believes the remedial actions completed are protective of human health, the environment, and groundwater and respectfully requests closure for Incident Number nAPP2405244149.

If you have any questions or comments, please contact Ms. Aimee Cole at (720) 384-7365 or [acole@ensolum.com](mailto:acole@ensolum.com).

Sincerely,



Oxy USA Inc.  
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**Ensolum, LLC**



Hadlie Green  
Project Geologist



Aimee Cole  
Senior Managing Scientist

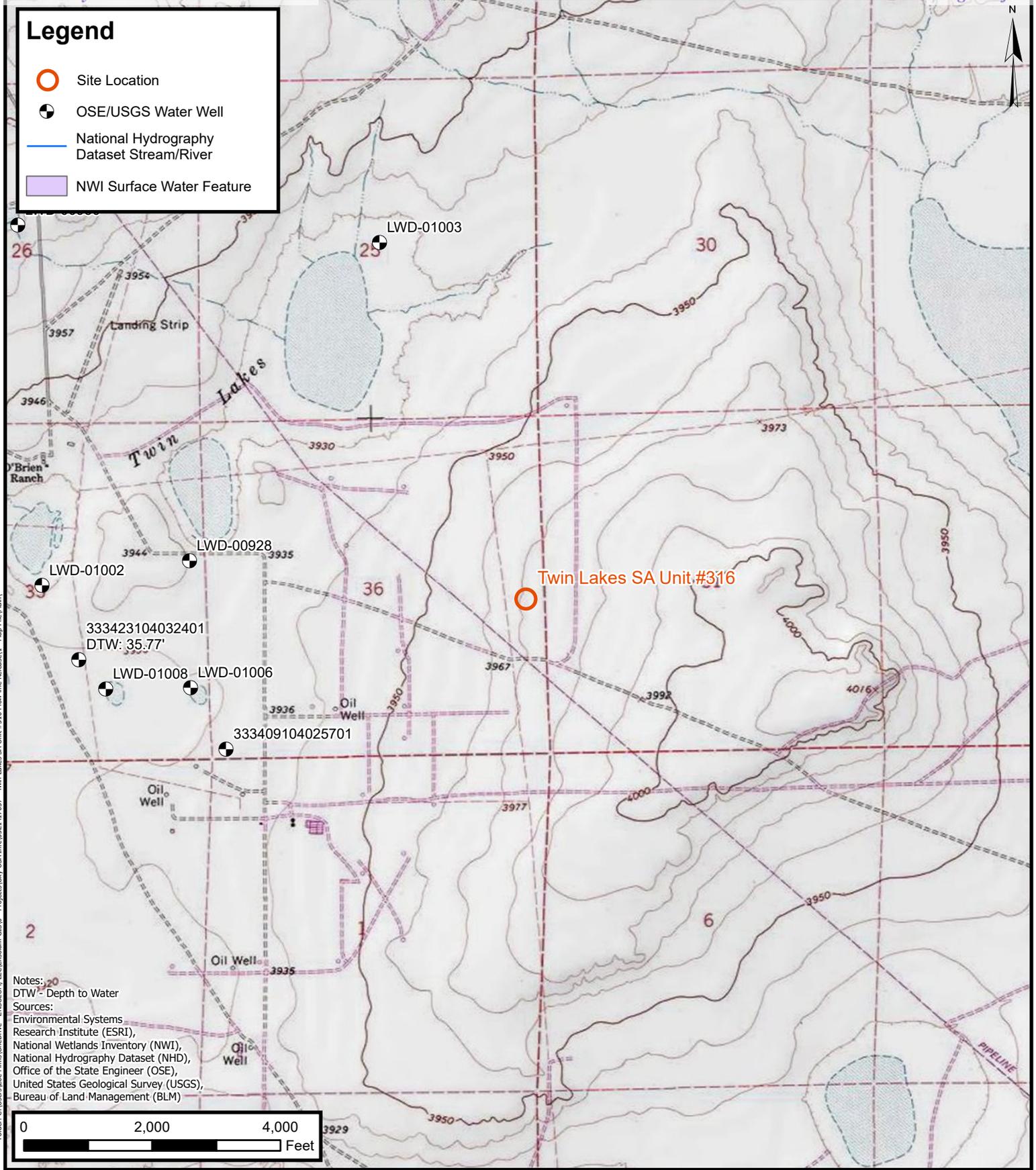
cc: Wade Dittrich, Oxy USA Inc.  
New Mexico State Land Office

Appendices:

- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1 Soil Sample Analytical Results
- Appendix A NMSLO Cultural Resources Cover Sheet
- Appendix B Lithologic Soil Sampling Logs
- Appendix C Photographic Log
- Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix E NMOCD Correspondence



FIGURES



Folder: C:\Users\Zoe.Mims\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Oxy USA, Inc\03E147037 - Twin Lakes SA Unit #316 Flow Line Release\1 - Map File/Main

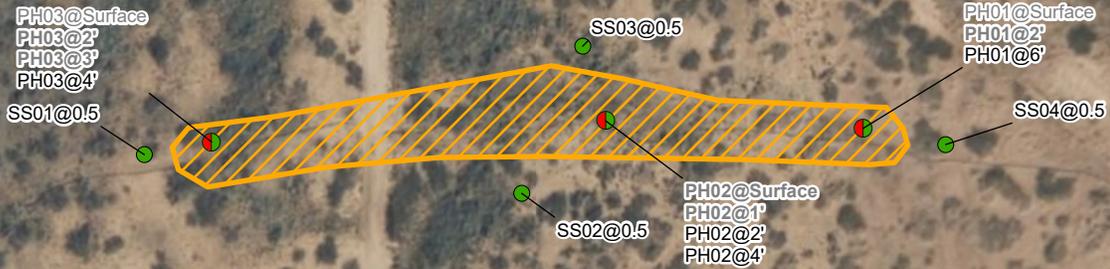


**Site Receptor Map**  
 Oxy USA Inc.  
 Twin Lakes SA Unit #316 Flow line Release  
 Incident Number nAPP2405244149  
 Unit I, Section 36, T08S, R28E  
 Chaves County, New Mexico

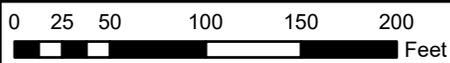
**FIGURE**  
**1**

### Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Initially Exceeding Closure Criteria
- Release Extent



**Notes:**  
 Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable closure criteria.  
 Grey text indicate soil sample was removed during excavation activities.



Sources: Environmental Systems Research Institute (ESRI)

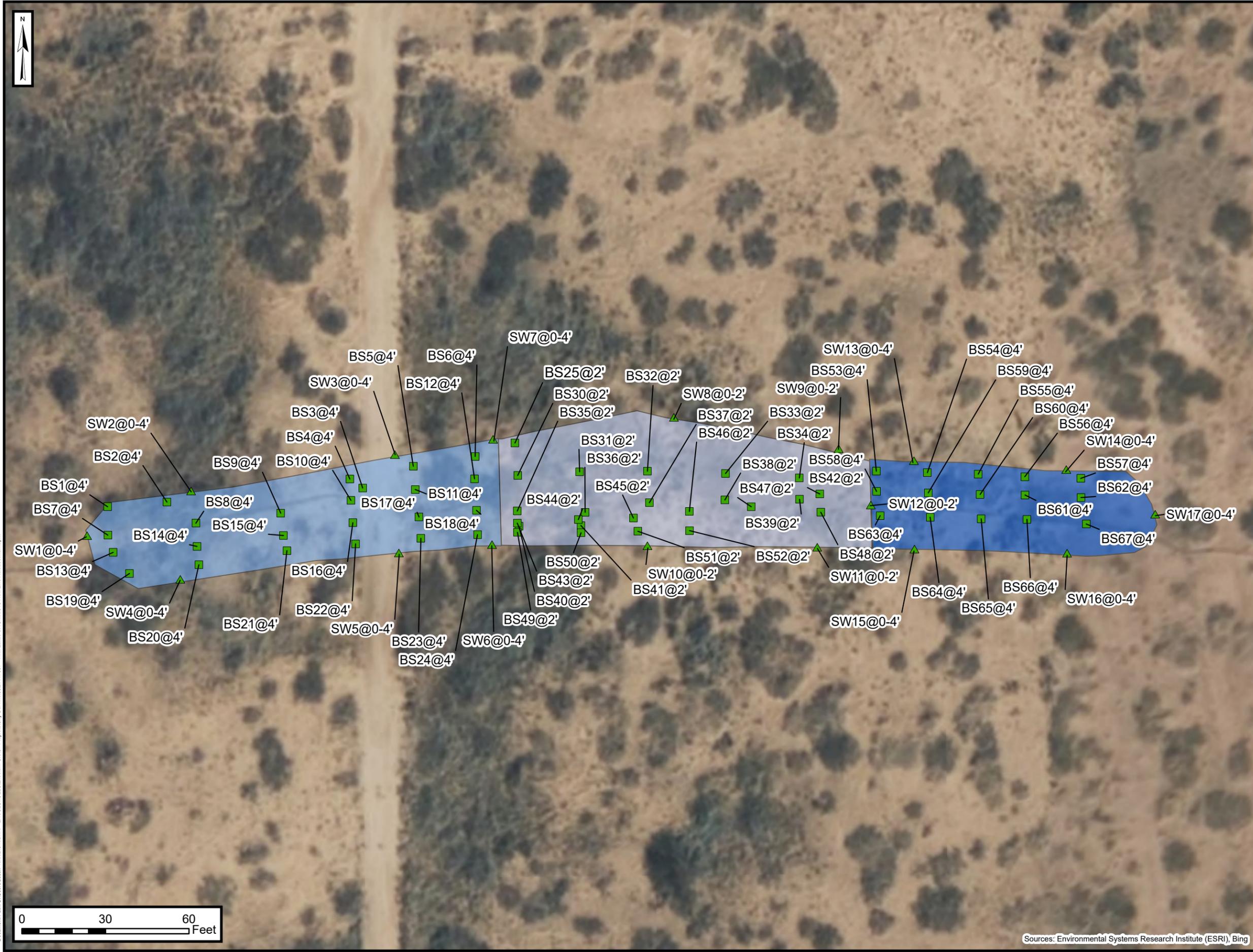
## Delineation Soil Sample Locations

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### FIGURE

# 2





**Legend**

- Excavation Bottom Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- 4 Foot Excavation
- 4 Foot Excavation
- 2 Foot Excavation

BS: Bottom Sample  
SW: Sidewall Sample

Notes:  
Sample ID @ Depth Below Ground Surface.

**Excavation Soil Sample Locations**  
Twin Lakes SA Unit #316  
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Oxy USA Inc.  
Unit I, Section 36, T08S, R28E  
Chaves County, New Mexico

**FIGURE 3**  
Project Number: 03E1417037



Sources: Environmental Systems Research Institute (ESRI), Bing



TABLES



<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> Twin Lakes SA Unit #316 Flow Line Oxy USA Inc. Chaves County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>Assessment Soil Samples</b>										
SS01	01/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS02	01/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SS03	01/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SS04	01/30/2024	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PH01	01/30/2024	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PH01	01/30/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
PH01	01/30/2024	6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PH02	01/30/2024	Surface	<0.050	<0.300	<50.0	2,120	2,190	2,120	4,310	32.0
PH02	01/30/2024	1	<0.050	<0.300	<50.0	180	346	180	526	16.0
PH02	02/08/2024	2	<0.050	<0.300	<10.0	58.3	36.6	58.0	94.6	576
PH02	02/08/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
PH03	01/25/2024	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PH03	01/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
PH03	01/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
PH03	01/30/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
<b>Excavation Soil Samples</b>										
BOTTOM 1	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 2	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 3	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 4	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 5	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 6	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 7	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 8	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 9	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 10	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 11	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0



<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> Twin Lakes SA Unit #316 Flow Line Oxy USA Inc. Chaves County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
BOTTOM 12	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 13	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 14	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 15	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BOTTOM 16	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 17	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 18	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 19	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 20	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 21	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 22	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 23	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 24	11/18/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 25	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
BOTTOM 26	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 27	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 28	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 29	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 30	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 31	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 32	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 33	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 34	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 35	11/18/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 36	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 37	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 38	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 39	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0



<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> Twin Lakes SA Unit #316 Flow Line Oxy USA Inc. Chaves County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
BOTTOM 40	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 41	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 42	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 43	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
BOTTOM 44	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 45	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 46	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 47	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 48	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 49	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 50	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 51	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 52	11/19/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 53	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
BOTTOM 54	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 55	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 56	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
BOTTOM 57	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 58	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 59	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 60	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 61	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 62	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 63	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 64	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0



<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> Twin Lakes SA Unit #316 Flow Line Oxy USA Inc. Chaves County, New Mexico										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
BOTTOM 65	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BOTTOM 66	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
BOTTOM 67	11/19/2024	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 1	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 2	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 3	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 4	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 5	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SIDEWALL 6	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 7	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 8	11/19/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SIDEWALL 9	11/19/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SIDEWALL 10	11/19/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 11	11/19/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SIDEWALL 12	11/19/2024	0-2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SIDEWALL 13	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SIDEWALL 14	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SIDEWALL 15	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SIDEWALL 16	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SIDEWALL 17	11/19/2024	0-4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
Backfill Soil Sample										
BACKFILL	10/02/2024	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

*Grey text represents samples that have been excavated*



APPENDIX A

NMSLO Cultural  
Resources Cover Sheet

---



Stephanie Garcia Richard, Commissioner of Public Lands  
State of New Mexico

### NMSLO Cultural Resources Cover Sheet Exhibit

**NMCRIS Activity Number:**

(if applicable)

**Exhibit Type** (select one)

**ARMS Inspection/Review** - Summarize the results (select one):

- (A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
- (B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
- (C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

**Archaeological Survey**

**Findings:**

**Negative** - No further archaeological review is required.

**Positive** - Have avoidance and protection measures been devised? Select one:

**Comments:**

**Project Details:**

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

**Project Location:**

County(ies):

PLSS/Section/Township/Range):

---

**For NMSLO Agency Use Only:**

NMSLO Lease Number:

Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

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*No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.*

Form Revised 12 22

**From:** [Raina Hanley](#)  
**To:** [Aimee Cole](#)  
**Cc:** [Wade Burns](#); [Marc Seamands](#)  
**Subject:** FW: Remediation Report Submission: Oxy USA's Twin Lakes SA Unit #316 Flow line Release (Area 1)- BCA24-1712a- NMCRIS 157506  
**Date:** Friday, January 10, 2025 10:19:15 AM  
**Attachments:** [BCA24-1712a Twin Lakes 316 A1 Remed. SLOCover Sheet 157506.pdf](#)

---

[ \*\*EXTERNAL EMAIL\*\* ]

Hi Aimee,

Please see below and attached.

**Raina Hanley**  
*Chief Operating Officer*

Beaver Creek Archaeology & Environmental  
1632 Capitol Way  
Bismarck, ND 58501  
Ph: (701) 663-5521 | Fx: (701) 663-5589

Beaver Creek Archaeology & Environmental  
712 West Quay Avenue  
Artesia, NM 88210  
Ph: (575) 746-6142 | Fx: (701) 663-5589



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**From:** Raina Hanley  
**Sent:** Friday, January 10, 2025 12:18 PM  
**To:** CRO Info <croinfo@nmslo.gov>; Curry, Anne R. <acurry@nmslo.gov>  
**Subject:** Remediation Report Submission: Oxy USA's Twin Lakes SA Unit #316 Flow line Release (Area 1)- BCA24-1712a- NMCRIS 157506

Good Morning!

Attached please find the cover sheet for the following remediation project for Ensolum on behalf of Oxy USA:

- A Class III Cultural Resources Inventory for Oxy USA's Twin Lakes SA Unit #316 Flowline Release (Area 1) Remediation in Chaves County, New Mexico

I have gone ahead and included Anne in this email as this is a portion of a project we had discussed in June of 2024. In those discussions, we had been focused on the site that had been found in the eastern-most extent of the project (e.g., Area 2). Since that time, remediation work for Area 2 is still pending and my understanding is that it is still yet to be scheduled. As such, I will be getting that survey and findings report prepared and submitted sans monitoring as monitoring is yet to occur.

However, remediation did occur on the westernmost portion (Area 1). To meet the requirements for a cover sheet as part of the remediation closeout paperwork for OCD and the SLO—and to avoid unnecessary stipulations or delays while waiting for the full report on the eastern area—we opted to split Area 1 into a separate report. This area was negative for cultural resources and falls outside of the area that will need to be monitored during remediation.

Please let me know if you have any questions or additional information needs. Please stay tuned for the eastern area report next week.

Thank you!  
Raina

**Raina Hanley**  
*Chief Operating Officer*

Beaver Creek Archaeology & Environmental  
1632 Capitol Way  
Bismarck, ND 58501  
Ph: (701) 663-5521 | Fx: (701) 663-5589

Beaver Creek Archaeology & Environmental  
712 West Quay Avenue  
Artesia, NM 88210  
Ph: (575) 746-6142 | Fx: (701) 663-5589



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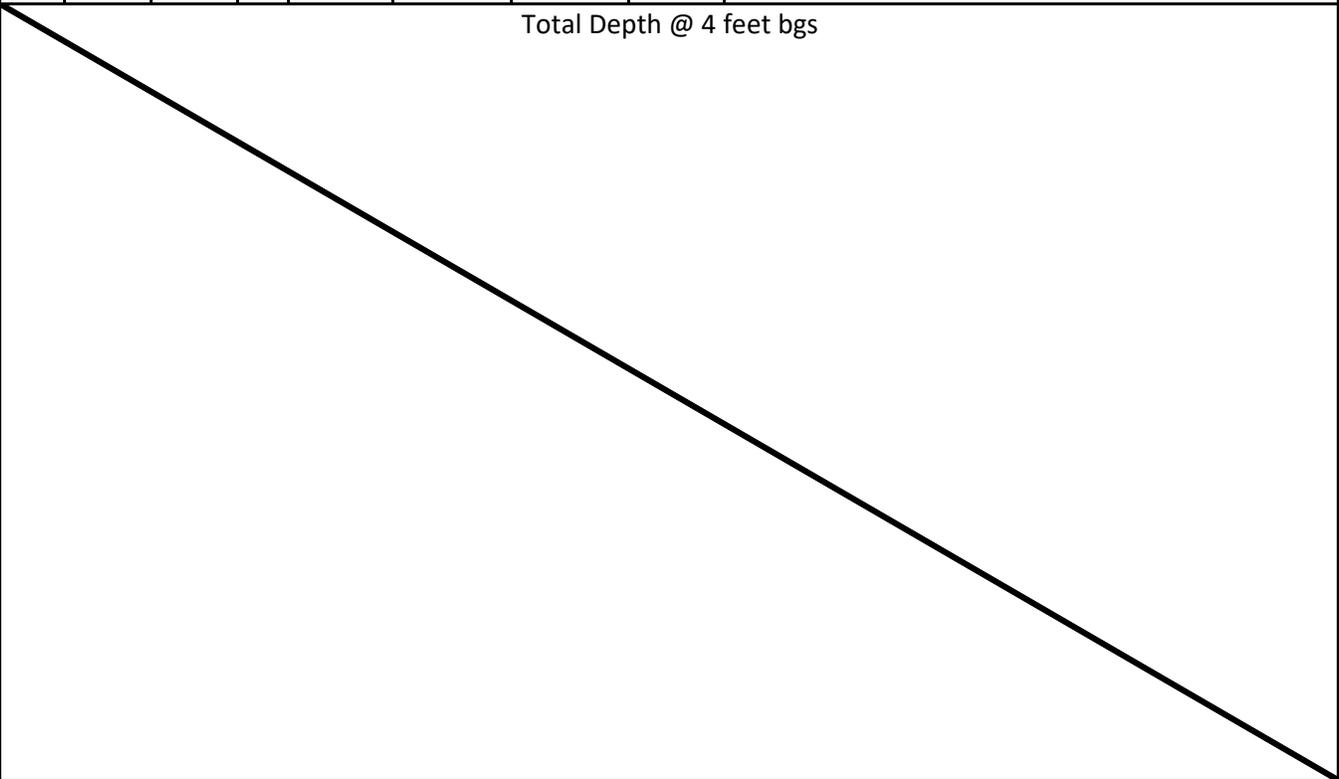
## APPENDIX B

### Lithologic Soil Sampling Logs

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					Sample Name: PH01		Date: Jan 30, 2024					
					Site Name: Twin Lakes SA Unit #316 Flow line Release				Incident Number:			
					Job Number: 03E1417037				Logged By: K Shimada		Method: Backhoe	
					Coordinates: 33.576090, -104.035889				Hole Diameter: N/A		Total Depth: 6'	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>												
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry; ND-Non Detect; N-No; Y-Yes												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
D	ND	0.0	N	PH01	Surface	Surface	SW	SAND, dark brown, well graded, fine grain, rounded, dry, no stain, no odor.				
D	767.2	0.0	N			1	CL	CLAY, dark brown, abundant sand, well graded, fine grain, rounded, dry, no stain, no odor.				
D	1562	0.0	N	PH01	2	2	CL	CLAY, dark brown, abundant sand, well graded, fine grain, rounded, dry, no stain, no odor.				
D	1254	0.0	N			3	CL	CLAY, dark brown, abundant sand, well graded, fine grain, rounded, dry, no stain, no odor.				
D	996.8	0.0	Y			4	CL	CLAY, reddish brown, abundant sand, well graded, fine grain, rounded, dry, staining, no odor.				
D	767.2	0.0	Y			5	CL	CLAY, pale brown, abundant sand, well graded, fine grain, rounded, dry, staining, no odor.				
D	571.2	0.0	Y	PH01	6	6	CL	CLAY, pale brown, abundant sand, well graded, fine grain, rounded, dry, staining, no odor.				
Total depth @ 6 feet bgs												

					Sample Name: PH02		Date: Jan 30, 2024					
					Site Name: Twin Lakes SA Unit #316 Flow line Release				Incident Number:			
					Job Number: 03E1417037				Logged By: K Shimada		Method: Backhoe	
					Coordinates: 33.576102, -104.036331				Hole Diameter: N/A		Total Depth: 2'	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>												
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry; ND-Non Detect; N-No												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
D	ND	0.0	N	PH02	Surface	Surface	SW	SAND, dark brown, well graded, fine grain, rounded, dry, no stain, no odor.				
D	ND	0.0	N	PH02	1	1	CL	CLAY, dark brown, fine grain, rounded, dry, no stain, no odor.				
D	1260	0.6	N	PH02	2	2	CL	CLAY, dark brown, abundant sand, well graded, fine grain, rounded, dry, no stain, no odor.				
D	554.4	0.8	N			3	CL	CLAY, dark brown, abundant sand, well graded, fine grain, rounded, dry, no stain, no odor.				
D	347	0.4	N	PH02	4	4	CL	CLAY, reddish brown, abundant sand, well graded, fine grain, rounded, dry, staining, no odor.				
Total Depth @ 4 feet bgs												

					Sample Name: PH03		Date: Jan 25/30, 2024					
					Site Name: Twin Lakes SA Unit #316 Flow line Release				Incident Number:			
					Job Number: 03E1417037				Logged By: K Shimada		Method: Backhoe	
					<b>LITHOLOGIC / SOIL SAMPLING LOG</b>				Hole Diameter: N/A		Total Depth: 4'	
Coordinates: 33.576079, -104.037008												
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factor included. D-Dry; ND-Non Detect; N-No												
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions				
D	ND	0.0	N	PH03	Surface	Surface	SW	SAND, brown, well graded, fine grain, rounded, dry, no stain, no odor.				
D	ND	0.0	N			1	SW	SAND, brown, well graded, fine grain, rounded, dry, no stain, no odor.				
D	772.8	0.0	N	PH03	2	2	SW	SAND, brown, well graded, fine grain, rounded, dry, no stain, no odor.				
D	515.4	0.0	N	PH03	3	3	CL	CLAY, pale brown, abundant sand, well graded, fine grain, rounded, dry, staining, no odor.				
D	274.4	0.0	N	PH03	4	4	CL	CLAY, brown, abundant sand, well graded, fine grain, rounded, dry, staining, no odor.				
Total Depth @ 4 feet bgs												
												



## APPENDIX C

### Photographic Log

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**Photographic Log**

Oxy USA Inc.

Twin Lakes SA Unit #316 Flow Line Release

Incident Number nAPP2405244149



Photograph: 1 Date: Dec-24  
Description: Final excavation extent



Photograph: 2 Date: Dec-24  
Description: Final excavation extent



Photograph: 3 Date: Dec-24  
Description: Final excavation extent



Photograph: 4 Date: Dec-24  
Description: Final excavation extent



**Photographic Log**

Oxy USA Inc.

Twin Lakes SA Unit #316 Flow Line Release

Incident Number nAPP2405244149



Photograph: 5 Date: Dec-24  
Description: Final excavation extent



Photograph: 6 Date: Dec-24  
Description: Backfilled excavation



Photograph: 7 Date: Dec-24  
Description: Backfilled excavation



Photograph: 8 Date: Dec-24  
Description: Backfilled excavation



## APPENDIX D

### Laboratory Analytical Reports & Chain of Custody Documentation

---



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

November 26, 2024

Cliff Brunson  
BBC International, Inc.  
P.O. Box 805  
Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #316

Enclosed are the results of analyses for samples received by the laboratory on 11/20/24 11:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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,

Mike Snyder For Celey D. Keene  
Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 1 @ 4' (H247078-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	400	3.64	

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	11/21/2024	ND	198	99.0	200	0.415	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 2 @ 4' (H247078-02)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74		
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2024	ND	432	108	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 3 @ 4' (H247078-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74		
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 4 @ 4' (H247078-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	198	99.0	200	0.415	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 5 @ 4' (H247078-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	198	99.0	200	0.415	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 6 @ 4' (H247078-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74		
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 7 @ 4' (H247078-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	198	99.0	200	0.415	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 8 @ 4' (H247078-08)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74		
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 9 @ 4' (H247078-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74	
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	198	99.0	200	0.415	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 10 @ 4' (H247078-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74		
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 11 @ 4' (H247078-11)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.40	120	2.00	3.74		
Toluene*	<0.050	0.050	11/22/2024	ND	2.47	123	2.00	3.30		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.37	119	2.00	3.60		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	7.45	124	6.00	3.01		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 12 @ 4' (H247078-12)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 13 @ 4' (H247078-13)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	198	99.0	200	0.415		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	186	93.0	200	0.176		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 14 @ 4' (H247078-14)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 15 @ 4' (H247078-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 16 @ 4' (H247078-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	191	95.4	200	4.00	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 17 @ 4' (H247078-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	191	95.4	200	4.00	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 18 @ 4' (H247078-18)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 19 @ 4' (H247078-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 20 @ 4' (H247078-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64		

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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 21 @ 4' (H247078-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	191	95.4	200	4.00	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 22 @ 4' (H247078-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	ND	448	112	400	3.64	

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	11/21/2024	ND	191	95.4	200	4.00	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 23 @ 4' (H247078-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 24 @ 4' (H247078-24)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 25 @ 2' (H247078-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 26 @ 2' (H247078-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 27 @ 2' (H247078-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 28 @ 2' (H247078-28)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 29 @ 2' (H247078-29)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 30 @ 2' (H247078-30)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68		
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 31 @ 2' (H247078-31)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.68	
Toluene*	<0.050	0.050	11/22/2024	ND	2.20	110	2.00	3.10	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.32	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.42	107	6.00	3.51	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	191	95.4	200	4.00	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	183	91.4	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 32 @ 2' (H247078-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	204	102	200	0.475		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.6	200	0.0818		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 33 @ 2' (H247078-33)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	204	102	200	0.475		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.6	200	0.0818		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 34 @ 2' (H247078-34)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/18/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 35 @ 2' (H247078-35)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 36 @ 2' (H247078-36)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 37 @ 2' (H247078-37)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 38 @ 2' (H247078-38)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 39 @ 2' (H247078-39)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 40 @ 2' (H247078-40)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 41 @ 2' (H247078-41)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 42 @ 2' (H247078-42)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 43 @ 2' (H247078-43)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/21/2024	ND	416	104	400	7.41		

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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 44 @ 2' (H247078-44)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 45 @ 2' (H247078-45)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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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:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 46 @ 2' (H247078-46)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 47 @ 2' (H247078-47)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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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:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 48 @ 2' (H247078-48)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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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:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 49 @ 2' (H247078-49)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 50 @ 2' (H247078-50)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29		
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 51 @ 2' (H247078-51)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.25	113	2.00	1.29	
Toluene*	<0.050	0.050	11/22/2024	ND	2.10	105	2.00	5.70	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	7.30	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.37	106	6.00	9.69	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	203	101	200	3.41	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.7	200	5.96	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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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:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 52 @ 2' (H247078-52)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	204	102	200	0.475		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.6	200	0.0818		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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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:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 53 @ 4' (H247078-53)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/21/2024	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	11/21/2024	ND	204	102	200	0.475	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	187	93.6	200	0.0818	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 54 @ 4' (H247078-54)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 75.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 55 @ 4' (H247078-55)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 56 @ 4' (H247078-56)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>64.0</b>	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 57 @ 4' (H247078-57)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 58 @ 4' (H247078-58)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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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:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 59 @ 4' (H247078-59)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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 P.O. Box 805  
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 Fax To: (575) 397-0397

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 60 @ 4' (H247078-60)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 61 @ 4' (H247078-61)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.5 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 62 @ 4' (H247078-62)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 63 @ 4' (H247078-63)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/21/2024	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 64 @ 4' (H247078-64)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 65 @ 4' (H247078-65)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 66 @ 4' (H247078-66)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98		
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: BOTTOM SAMPLE 67 @ 4' (H247078-67)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 1 (H247078-68)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 2 (H247078-69)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 3 (H247078-70)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 4 (H247078-71)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.30	115	2.00	1.98	
Toluene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	0.756	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.35	117	2.00	1.06	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.84	114	6.00	3.58	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 5 (H247078-72)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 6 (H247078-73)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50		
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	198	99.2	200	2.72		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	177	88.4	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 7 (H247078-74)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50		
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 8 (H247078-75)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 9 (H247078-76)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 10 (H247078-77)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 11 (H247078-78)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 12 (H247078-79)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50		
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 13 (H247078-80)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50		
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 14 (H247078-81)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50		
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 15 (H247078-82)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50		
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 16 (H247078-83)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50	
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43	
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18	
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57	
Total BTEX	<0.300	0.300	11/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689	
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684	
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/20/2024	Sampling Date:	11/19/2024
Reported:	11/26/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #316	Sampling Condition:	Cool & Intact
Project Number:	FLOWLINE RELEASE - NM	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

**Sample ID: SIDEWALL 17 (H247078-84)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2024	ND	2.26	113	2.00	1.50		
Toluene*	<0.050	0.050	11/22/2024	ND	2.17	108	2.00	2.43		
Ethylbenzene*	<0.050	0.050	11/22/2024	ND	2.16	108	2.00	3.18		
Total Xylenes*	<0.150	0.150	11/22/2024	ND	6.45	107	6.00	3.57		
Total BTEX	<0.300	0.300	11/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	11/22/2024	ND	432	108	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	11/21/2024	ND	184	92.0	200	0.689		
DRO >C10-C28*	<10.0	10.0	11/21/2024	ND	185	92.5	200	0.684		
EXT DRO >C28-C36	<10.0	10.0	11/21/2024	ND						

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

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

**ANALYSIS REQUEST**

**BILL TO**

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Brunson Company: Oxy  
 Address: P.O. Box 805 Attn: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: Oxy City: \_\_\_\_\_  
 Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: New Mexico Phone #: \_\_\_\_\_  
 Sampler Name: Roger Hernandez Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		MATRIX	PRESERV	SAMPLING	DATE	TIME	TPH	BTEX	CL-
		(G)RAB OR (C)OMP.	# CONTAINERS								
10	BOTTOM SAMPLE 10@4'	C	1	SOIL	✓	✓	11/18/24	9:00AM	✓	✓	✓
11	BOTTOM SAMPLE 9@4'	C	1	SOIL	✓	✓	11/18/24	11:00AM	✓	✓	✓
12	BOTTOM SAMPLE 8@4'	C	1	SOIL	✓	✓	11/18/24	10:45AM	✓	✓	✓
13	BOTTOM SAMPLE 7@4'	C	1	SOIL	✓	✓	11/18/24	10:30AM	✓	✓	✓
14	BOTTOM SAMPLE 6@4'	C	1	SOIL	✓	✓	11/18/24	10:15AM	✓	✓	✓
15	BOTTOM SAMPLE 5@4'	C	1	SOIL	✓	✓	11/18/24	10:00AM	✓	✓	✓
16	BOTTOM SAMPLE 4@4'	C	1	SOIL	✓	✓	11/18/24	9:45AM	✓	✓	✓
17	BOTTOM SAMPLE 3@4'	C	1	SOIL	✓	✓	11/18/24	9:30AM	✓	✓	✓
18	BOTTOM SAMPLE 2@4'	C	1	SOIL	✓	✓	11/18/24	9:15AM	✓	✓	✓
19	BOTTOM SAMPLE 1@4'	C	1	SOIL	✓	✓	11/18/24	9:00AM	✓	✓	✓

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Relinquished By: *[Signature]* Date: 11-20-24 Time: 1:140 Received By: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: *5:41 P.O.U.* Sample Condition:  Cool  Intact  Yes  No  
 Sampler - UPS - Bus - Other: *4:0: #140*  Yes  No  Yes  No CHECKED BY: *[Signature]* (Initials)

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

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



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

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE Project Location: New Mexico Sampler Name: Roger Hernandez		P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
--	--	--	--

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
H21078	BOTTOM SAMPLE 11@4'		1			✓					11/18/24	11:30AM	✓	✓	✓	
	BOTTOM SAMPLE 12@4'		1			✓					11/18/24	11:45AM	✓	✓	✓	
	BOTTOM SAMPLE 13@4'		1			✓					11/18/24	12:00PM	✓	✓	✓	
	BOTTOM SAMPLE 14@4'		1			✓					11/18/24	12:15PM	✓	✓	✓	
	BOTTOM SAMPLE 15@4'		1			✓					11/18/24	12:30PM	✓	✓	✓	
	BOTTOM SAMPLE 16@4'		1			✓					11/18/24	12:45PM	✓	✓	✓	
	BOTTOM SAMPLE 17@4'		1			✓					11/18/24	1:30PM	✓	✓	✓	
	BOTTOM SAMPLE 18@4'		1			✓					11/18/24	1:45PM	✓	✓	✓	
	BOTTOM SAMPLE 19@4'		1			✓					11/18/24	2:00PM	✓	✓	✓	
	BOTTOM SAMPLE 20@4'		1			✓					11/18/24	2:15PM	✓	✓	✓	

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Relinquished By: <i>Roger Hernandez</i> Date: 11/14/24 Time: 11:30 AM	Received By: <i>Stedrigney</i> Date: 11/14/24 Time: 11:40 AM	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CHECKED BY: <i>SR</i> (Initials)
Delivered By: (Circle One) <u>5419C-0001</u> Sampler - UPS - Bus - Other: <u>610-#140</u>			

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**BILL TO**

Company Name: BBC International, Inc.  
Project Manager: Cliff Brunson  
Address: P.O. Box 805  
City: Hobbs  
State: NM Zip: 88241  
Phone #: 575-397-6388 Fax #: 575-397-0397  
Project #: Project Owner: Oxy  
Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE  
Project Location: New Mexico  
Sampler Name: Roger Hernandez

P.O. #:   
Company: Oxy  
Attn:   
Address:   
City:   
State: Zip:   
Phone #:   
Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL					
H47078	21	BOTTOM SAMPLE 21@4'	1								11/18/24	2:30PM	✓	✓	✓	
	22	BOTTOM SAMPLE 22@4'	1								11/18/24	2:45PM	✓	✓	✓	
	23	BOTTOM SAMPLE 23@4'	1								11/18/24	3:00PM	✓	✓	✓	
	24	BOTTOM SAMPLE 24@4'	1								11/18/24	3:15PM	✓	✓	✓	
	25	BOTTOM SAMPLE 25@2'	1								11/18/24	3:30PM	✓	✓	✓	
	26	BOTTOM SAMPLE 26@2'	1								11/18/24	3:45PM	✓	✓	✓	
	27	BOTTOM SAMPLE 27@2'	1								11/18/24	4:00PM	✓	✓	✓	
	28	BOTTOM SAMPLE 28@2'	1								11/18/24	4:15PM	✓	✓	✓	
	29	BOTTOM SAMPLE 29@2'	1								11/18/24	4:30PM	✓	✓	✓	
	30	BOTTOM SAMPLE 30@2'	1								11/18/24	5:00PM	✓	✓	✓	

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Relinquished By: *Roger Hernandez* Date: *11/20/24* Time: *1:40*

Received By: *Sprodieriquis*

Delivered By: (Circle One) 54JC.O.U. Sample Condition:  Cool  Intact

Sampler - UPS - Bus - Other: U.O. #140  Yes  No

Checked By: *[Signature]* (Initials)

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_

Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_

REMARKS: \_\_\_\_\_

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc.	P.O. #:
Project Manager: Cliff Brunson	Company: Oxy
Address: P.O. Box 805	Attn:
City: Hobbs	Address:
Phone #: 575-397-6388	City:
Fax #: 575-397-0397	State:
Project #: Project Owner: Oxy	Zip:
Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE	Phone #:
Project Location: New Mexico	Fax #:
Sampler Name: Roger Hernandez	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV		DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
HA47078	31	BOTTOM SAMPLE 31@2'	C								11/18/24	5:15PM	✓	✓	✓
	32	BOTTOM SAMPLE 32@2'	C								11/18/24	5:30PM	✓	✓	✓
	33	BOTTOM SAMPLE 33@2'	C								11/18/24	5:38PM	✓	✓	✓
	34	BOTTOM SAMPLE 34@2'	C								11/18/24	5:48PM	✓	✓	✓
	35	BOTTOM SAMPLE 35@2'	C								11/18/24	6:00PM	✓	✓	✓
	36	BOTTOM SAMPLE 36@2'	C								11/19/24	8:00AM	✓	✓	✓
	37	BOTTOM SAMPLE 37@2'	C								11/19/24	8:15AM	✓	✓	✓
	38	BOTTOM SAMPLE 38@2'	C								11/19/24	8:30AM	✓	✓	✓
	39	BOTTOM SAMPLE 39@2'	C								11/19/24	8:45AM	✓	✓	✓
	40	BOTTOM SAMPLE 40@2'	C								11/19/24	9:00AM	✓	✓	✓

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Relinquished By: <i>Roger Hernandez</i>	Date: 11/30/24	Received By: <i>Spodriguey</i>	Date: 1/14/25
Time: 1:40			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>UPS</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>SPK</i> (Initials)	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____

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*490*





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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Brunson Company: Oxy  
 Address: P.O. Box 805 Attn: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: Oxy City: \_\_\_\_\_  
 Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: New Mexico Phone #: \_\_\_\_\_  
 Sampler Name: Roger Hernandez Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
51	BOTTOM SAMPLE 51@2'	C	1			✓				11/19/24	12:30PM	✓	✓	✓
52	BOTTOM SAMPLE 52@2'	C	1			✓				11/19/24	12:45PM	✓	✓	✓
53	BOTTOM SAMPLE 53@4'	C	1			✓				11/19/24	1:00PM	✓	✓	✓
54	BOTTOM SAMPLE 54@4'	C	1			✓				11/19/24	1:15PM	✓	✓	✓
55	BOTTOM SAMPLE 55@4'	C	1			✓				11/19/24	1:30PM	✓	✓	✓
56	BOTTOM SAMPLE 56@4'	C	1			✓				11/19/24	1:45PM	✓	✓	✓
57	BOTTOM SAMPLE 57@4'	C	1			✓				11/19/24	2:00PM	✓	✓	✓
58	BOTTOM SAMPLE 58@4'	C	1			✓				11/19/24	2:15PM	✓	✓	✓
59	BOTTOM SAMPLE 59@4'	C	1			✓				11/19/24	2:30PM	✓	✓	✓
60	BOTTOM SAMPLE 60@4'	C	1			✓				11/19/24	2:45PM	✓	✓	✓

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Relinquished By: *Roger Hernandez* Received By: *Stacy Meyers*  
 Date: 11/20/24 Time: 1:40  
 Delivered By: (Circle One) UPS Sample Condition:  Cool  Intact  
 Sampler - UPS - Bus - Other: UPS #440  Yes  No  Yes  No  
 CHECKED BY: *SR*

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
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*SR*



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**BILL TO**

Company Name: BBC International, Inc. P.O. #:  
 Project Manager: Cliff Brunson Company: Oxy  
 Address: P.O. Box 805 Attn:  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397 Address:  
 Project #: Project Owner: Oxy City:  
 Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE State: Zip:  
 Project Location: New Mexico Phone #:  
 Sampler Name: Roger Hernandez Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	TPH	BTEX	CL-
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
61	BOTTOM SAMPLE 61@4'					<input checked="" type="checkbox"/>				11/19/24	3:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
62	BOTTOM SAMPLE 62@4'					<input checked="" type="checkbox"/>				11/19/24	3:15PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
63	BOTTOM SAMPLE 63@4'					<input checked="" type="checkbox"/>				11/19/24	3:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
64	BOTTOM SAMPLE 64@4'					<input checked="" type="checkbox"/>				11/19/24	3:45PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
65	BOTTOM SAMPLE 65@4'					<input checked="" type="checkbox"/>				11/19/24	4:00PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
66	BOTTOM SAMPLE 66@4'					<input checked="" type="checkbox"/>				11/19/24	4:10PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
67	BOTTOM SAMPLE 67@4'					<input checked="" type="checkbox"/>				11/19/24	4:20PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
68	SIDEWALL 1					<input checked="" type="checkbox"/>				11/19/24	4:30PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
69	SIDEWALL 2					<input checked="" type="checkbox"/>				11/19/24	4:40PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
70	SIDEWALL 3					<input checked="" type="checkbox"/>				11/19/24	4:50PM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Relinquished By: *R. Hernandez* Date: *11/20/24* Time: *1:40*  
 Relinquished By: *R. Hernandez* Date: *1/10* Time: *1:40*  
 Received By: *Speedier*  
 Sample Condition:  Cool  Intact  
 Delivered By: (Circle One) *S.U.*  *O.O.*  
 Sampler - UPS - Bus - Other: *U.O.*  *#140*  
 CHECKED BY: *SR*  
 Phone Result:  Yes  No Add'l Phone #:  
 Fax Result:  Yes  No Add'l Fax #:  
 REMARKS:

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

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Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE Project Location: New Mexico Sample Name: Roger Hernandez		State: NM Zip: 88241 Fax #: 575-397-0397 Project Owner: Oxy State: _____ Zip: _____ Phone #: _____ Fax #: _____		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____							
FOR LAB USE ONLY Lab I.D. Sample I.D. HB4708		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : PRESERV SAMPLING		DATE TIME		TPH BTEX CL-	
71	SIDEWALL 4	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	5:00PM	<input checked="" type="checkbox"/>
72	SIDEWALL 5	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	5:10PM	<input checked="" type="checkbox"/>
73	SIDEWALL 6	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	5:20PM	<input checked="" type="checkbox"/>
74	SIDEWALL 7	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	5:30PM	<input checked="" type="checkbox"/>
75	SIDEWALL 8	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	5:40PM	<input checked="" type="checkbox"/>
76	SIDEWALL 9	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	5:50PM	<input checked="" type="checkbox"/>
77	SIDEWALL 10	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	6:05PM	<input checked="" type="checkbox"/>
78	SIDEWALL 11	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	6:15PM	<input checked="" type="checkbox"/>
79	SIDEWALL 12	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	6:20PM	<input checked="" type="checkbox"/>
80	SIDEWALL 13	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	11/19/24	6:35PM	<input checked="" type="checkbox"/>

PLEASE NOTE: 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. Readability of analysis results is based upon any of the above stated residues or otherwise.

Relinquished By: *Roger Hernandez* Date: 11/20/24 Time: 1140  
 Received By: *Speckleberry*

Delivered By: (Circle One)  UPS  Bus  Other: *-5.4i c-o-o-l*  
 Sample Condition:  Cool  Intact  
 Checked By: *SRK*

Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS:

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

**BILL TO**

**ANALYSIS REQUEST**

Company Name: BBC International, Inc. P.O. #: \_\_\_\_\_  
 Project Manager: Cliff Brunson Company: Oxy  
 Address: P.O. Box 805 Attn: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88241  
 Phone #: 575-397-6388 Fax #: 575-397-0397  
 Project #: \_\_\_\_\_ Project Owner: Oxy  
 Project Name: TWIN LAKES SA UNIT #316 FLOW LINE RELEASE  
 Project Location: New Mexico State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Sample Name: Roger Hernandez Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		DATE	TIME	ANALYSIS REQUEST		
		(G)RAB OR (C)OMP.	# CONTAINERS			TPH	BTEX	CL-
81	SIDEWALL 14			11/19/24	6:40PM	✓	✓	✓
83	SIDEWALL 15			11/19/24	6:46PM	✓	✓	✓
83	SIDEWALL 16			11/19/24	6:50PM	✓	✓	✓
84	SIDEWALL 17			11/19/24	6:55PM	✓	✓	✓

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Relinquished By: *[Signature]* Date: 11/20/24 Time: 11:14  
 Received By: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Delivered By: (Circle One) 547C-O-V Sample Condition: Cool  Intact   
 Sampler - UPS - Bus - Other: 6.0 = #1410 Yes  No  Checked By: *[Signature]* (Initials) SR  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

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

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

---

October 09, 2024

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES BACKFILL

Enclosed are the results of analyses for samples received by the laboratory on 10/03/24 15:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	10/03/2024	Sampling Date:	10/02/2024
Reported:	10/09/2024	Sampling Type:	Soil
Project Name:	TWIN LAKES BACKFILL	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Alyssa Parras
Project Location:	OXY - NEW MEXICO		

**Sample ID: BACKFILL - TWIN LAKES (H246034-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/04/2024	ND	2.08	104	2.00	0.543	
Toluene*	<0.050	0.050	10/04/2024	ND	2.16	108	2.00	8.11	
Ethylbenzene*	<0.050	0.050	10/04/2024	ND	2.32	116	2.00	11.9	
Total Xylenes*	<0.150	0.150	10/04/2024	ND	7.11	118	6.00	13.4	
Total BTEX	<0.300	0.300	10/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/04/2024	ND	384	96.0	400	8.00	

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	10/04/2024	ND	201	101	200	0.440	
DRO >C10-C28*	<10.0	10.0	10/04/2024	ND	190	95.2	200	0.976	
EXT DRO >C28-C36	<10.0	10.0	10/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Celey D. Keene, Lab Director/Quality Manager



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

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

Company Name: BBC International, Inc. Project Manager: Cliff Brunson Address: P.O. Box 805 City: Hobbs Phone #: 575-397-6388 Project #: _____ Project Name: <i>Twins Lakes</i> Project Location: New Mexico Sampler Name: <i>Roger Hernandez</i>		State: NM Zip: 88241 Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
P.O. #: _____ Company: Oxy Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		<b>BILL TO</b>	
Matrix: <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE Other: _____ Matrix Preserv: <input checked="" type="checkbox"/> ACID/BASE <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER: _____		# CONTAINERS: _____ DATE: <i>10-2-24</i> TIME: <i>1:00</i>	
Lab I.D.: <i>H4y0034</i> Sample I.D.: <i>BACKFILL - Twins Lakes</i>		ANALYSIS REQUEST Chloride ✓ BTEX ✓ TPH <del>EXT</del> ✓	
Relinquished By: <i>Roger Hernandez</i> Date: <i>10-2-24</i> Time: _____		Received By: <i>[Signature]</i> Date: <i>10-3-24</i> Time: _____	
Delivered By: (Circle One) UPS - Bus - Other: <i>10:00 / 140</i>		Sample Condition: <i>APPROX</i> Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <i>[Signature]</i>	
Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____		REMARKS: _____	

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

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## APPENDIX E

### NMOCD Correspondence

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**From:** [Buchanan, Michael, EMNRD](#)  
**To:** [Aimee Cole](#); [Hamlet, Robert, EMNRD](#)  
**Cc:** [Dittrich, John W](#)  
**Subject:** RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #316 Flow line Release (Incident # nAPP2405244149)  
**Date:** Friday, September 6, 2024 10:05:09 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)

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[\*\*EXTERNAL EMAIL\*\*]

Good morning, Aimee

The extension request for Twin Lakes #316, # nAPP2405244149 is approved. The new due date to submit your remediation closure report to the OCD is December 03, 2024. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file. The incident has been updated online to reflect this new date.

Kind Regards,

---

**From:** Aimee Cole <acole@ensolum.com>  
**Sent:** Friday, September 6, 2024 10:20 AM  
**To:** Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>  
**Cc:** Dittrich, John W <Wade\_Dittrich@oxy.com>  
**Subject:** [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #316 Flow line Release (Incident # nAPP2405244149)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom it May Concern,

Oxy USA Inc. (Oxy) is requesting an extension of the current September 9, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Twin Lakes SA Unit #316 Flow line Release (Incident # nAPP2405244149).

Compliance with the Cultural Properties Protection (CPP) Rule was required for the site. An ARMS review was requested on March 13, 2024. Based on the ARMS review, a field archaeological survey was completed by Beaver Creek Archeology on April 12, 2024. The findings of the ARMS review and archaeological survey were submitted to the SLO on April 24, 2024. The SLO Cultural Resource Office provided approval to proceed with remediation activities on July 15, 2024. Oxy permitted and installed a soil boring to confirm depth to groundwater within 0.5 miles of the site on July 18, 2024.

A contractor has been secured to complete excavation activities at the eight remaining Twin Lakes sites beginning the week of September 9, 2024. Due to project delays for the archaeological survey, permitting and drilling of a soil boring, and contractor availability, Oxy is requesting a 90-day extension of the current deadline to allow time to evaluate depth to groundwater, complete excavation and soil sampling activities, and prepare a closure report or revised remediation work plan.

Thank you,



**Aimee Cole**  
Associate Principal  
720-384-7365  
**Ensolum, LLC**  
in f X

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Aimee Cole](#)  
**Cc:** [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)  
**Subject:** Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)  
**Date:** Monday, June 10, 2024 1:18:52 PM  
**Attachments:** [image005.jpg](#)  
[image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.jpg](#)

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You don't often get email from [robert.hamlet@emnrd.nm.gov](mailto:robert.hamlet@emnrd.nm.gov). [Learn why this is important](#)

[\*\*EXTERNAL EMAIL\*\*]

RE: Incident # **NAPP2405244149**, **NAPP2405246233**, **NAPP2405243873**

**Aimee,**

Your request for a 90 day extension to **September 9th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Monday, June 10, 2024 1:06 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)

Hi Rob,

I am forwarding the below to you as the last 3 incidents are yours: nAPP2405244149, nAPP2405246233, nAPP2405243873. I will be writing back to Aimee and letting her know she needs to send extension requests separately and not one big batch. I will also be replying to her about the top 3 incidents which are mine.

Shelly

**From:** Aimee Cole <[acole@ensolum.com](mailto:acole@ensolum.com)>

**Sent:** Monday, June 10, 2024 11:58 AM

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Subject:** [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

To Whom It May Concern,

Oxy USA Inc. (Oxy) is requesting an extension of the current June 10-11, 2024, deadline for submitting a report required in 9.15.29.12.B.(1) NMAC for the below listed sites:

- Twin Lakes SA Unit #019 (Incident # nAPP2405245671)
- Twin Lakes SA Unit #028 (Incident # nAPP2405245333)
- Twin Lakes SA Unit #316 (Incident # nAPP2405244372)
- Twin Lakes SA Unit #316 Flow line Release (Incident # nAPP2405244149)
- Twin Lakes SA Unit #027 (Incident # nAPP2405246233)
- Twin Lakes SA Unit #027 Flow line Release (Incident # nAPP2405243873)

Compliance with the Cultural Properties Protection (CPP) Rule is required for the above sites since excavation activities are anticipated to encroach into undisturbed areas. An ARMS review was requested on March 13, 2024. Based on the ARMS review, archaeological pedestrian surveys were necessary. The archaeological surveys were completed by Beaver Creek Archeology on April 12, 2024. The findings of the ARMS reviews and archaeological surveys were submitted to the SLO, and are currently pending review and notice to proceed from the SLO Cultural Resource Office. Additionally, Oxy intends to drill a soil boring closer to the Twin Lakes sites to confirm depth to groundwater. The current available groundwater data is for a USGS well located between 0.9 and 1.3 miles from the Twin Lakes sites, the well is at a lower elevation, and was most recently measured >25 years ago.

In order to allow time for the SLO to review the ARMS reviews and archaeological survey information, drill a soil boring to confirm depth to water, complete excavation activities, and prepare a closure report or revised remediation work plan, Oxy requests a 90-day extension until September 8, 2024.

Thank you,

**Aimee Cole**  
Associate Principal



720-384-7365  
**Ensolum, LLC**



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Phone: (505) 629-6116

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 419585

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2405244149
Incident Name	NAPP2405244149 TWIN LAKES SA UNIT #316 FLOW LINE RELEASE @ 30-005-63185
Incident Type	Oil Release
Incident Status	Reclamation Report Received
Incident Well	[30-005-63185] TWIN LAKES SAN ANDRES UNIT #316

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Twin Lakes SA Unit #316 Flow line Release
Date Release Discovered	11/01/2021
Surface Owner	State

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Other   Unknown   Crude Oil   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other   Unknown   Produced Water   Released: 0 BBL (Unknown Released Amount)   Recovered: 0 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Historical release, volume is unknown. Oxy is not the Operator of the Incident Well and has no independent knowledge of the facts or circumstances surrounding the nature, content or volume of any release(s), contemporaneous to any such release(s). All information submitted by Oxy herein is based on Oxy's present day observations of the site, and educated guesses based on those observations. Oxy submits this Notification of Release pursuant to an agreement with the New Mexico State Land Office, as lessee of record.

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 419585

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	False
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Historical release

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/29/2024
--	---

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 419585

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	752
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4310
GRO+DRO (EPA SW-846 Method 8015M)	2120
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/01/2024
On what date will (or did) the final sampling or liner inspection occur	08/30/2024
On what date will (or was) the remediation complete(d)	08/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	13000
What is the estimated volume (in cubic yards) that will be reclaimed	1000
What is the estimated surface area (in square feet) that will be remediated	13000
What is the estimated volume (in cubic yards) that will be remediated	1000

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 419585

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 02/29/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 419585

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 419585

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>402673</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>11/19/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>84</b>
What was the sampling surface area in square feet	<b>13319</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	13300
What was the total volume (cubic yards) remediated	1565
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	13300
What was the total volume (in cubic yards) reclaimed	1565
Summarize any additional remediation activities not included by answers (above)	NA

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/10/2025
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Action 419585

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	13300
What was the total volume of replacement material (in cubic yards) for this site	1565
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	03/30/2025
Summarize any additional reclamation activities not included by answers (above)	NA
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 01/10/2025

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Action 419585

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 419585

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 419585
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**CONDITIONS**

Created By	Condition	Condition Date
crystal.walker	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	1/14/2025
crystal.walker	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	1/14/2025