



March 11, 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 #028
Incident Number nAPP2405245333
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 11, 2024. This *Closure Request* documents assessment, excavation, and soil sampling activities performed at the Twin Lakes SA Unit #028 (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 nAPP2405245333.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit G, Section 36, Township 8 South, Range 28 East, in Chaves County, New Mexico (33.57927, -104.03858) 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 historical release area. 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 nAPP2405245333.

Oxy is not the Operator of the Twin Lakes SA Unit #028 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 *Work Plan* pursuant to an agreement with the NMSLO, as lessee of record.

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CULTURAL PROPERTIES PROTECTION

A portion of the excavation was anticipated to encroach into an 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. Well records are included in Appendix B.

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*, BBC and Ensolum personnel were at the Site during November 2021 and January 2024, to evaluate the release extent based on information provided by the NMSLO and visual observations. Five surface soil samples (North, East, East 2, West, and South) were collected around the historical release extent to confirm the lateral extent of the surface release. Potholes were advanced at seven sample points (SP1 through SP7) within the release extent, to delineate the vertical extent of impacted soil. The potholes were advanced to depths ranging from 2 feet to 4 feet bgs. Discrete delineation soil samples were collected from sample points SP1 through SP7 at depths ranging from the ground surface to 4 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 January 2024 potholes were logged on lithologic soil sampling logs, which are included in Appendix C.

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. Photographic documentation was completed during the Site visit and a photographic log is included in Appendix D.

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Laboratory analytical results for surface soil samples North, North 2, East, West, and South 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 sample points SP1 and SP4, collected at depths ranging from the ground surface to 3 feet bgs, indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results for the delineation soil samples collected from sample points SP2, SP3, SP5, SP6, and SP7 indicated that TPH and/or chloride concentrations exceeded the Site Closure Criteria at depths ranging from the ground surface to 3 feet bgs. Laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical reports are included in Appendix E.

Based on the soil sample analytical results, excavation activities were completed at the Site as proposed in the approved *Work Plan*.

EXCAVATION ACTIVITIES

During January 2025, BBC completed excavation of impacted soil around sample points SP2, SP3, and SP5 through SP7, 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 1-foot to 4 feet bgs.

Following removal of impacted soil, BBC collected 5-point composite soil samples every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation. Composite soil samples BOTTOM 1 through BOTTOM 37 were collected from the floor of the excavation at depths ranging from 1-foot to 4 feet bgs. Composite soil samples SIDEWALL 1 through SIDEWALL 15 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 D.

Laboratory analytical results for excavation floor samples BOTTOM 1 through BOTTOM 37 and excavation sidewall samples SIDEWALL 1 through SIDEWALL 15, 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 remediation was required. The laboratory analytical results are summarized on Table 1 and the complete laboratory analytical reports are included as Appendix E.

The excavation measured approximately 14,535 square feet in areal extent. A total of approximately 1,480 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 SAMPLE) 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 NMOC 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 D. The laboratory analytical results are summarized on the attached Table 1 and the complete laboratory analytical report is included as Appendix E.

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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 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 ensure 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 *Revegetation Report* will be submitted to the NMOCD once vegetation growth in the reclaimed excavation area has uniform vegetative cover that reflects a 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 NMAC 19.15.29.13 D.(3).

The Twin Lakes SA Unit #028 oil and gas well has been plugged and abandoned and the well pad requires final reclamation activities. Upon closure approval of Incident Number nAPP2405245333, a detailed *Reclamation Plan* will be submitted to the NMSLO proposing final reclamation activities for the entire well pad and access road.

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 nAPP2405245333.

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

Sincerely,
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	Referenced Well Records
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Photographic Log
Appendix E	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix F	NMOCD Correspondence



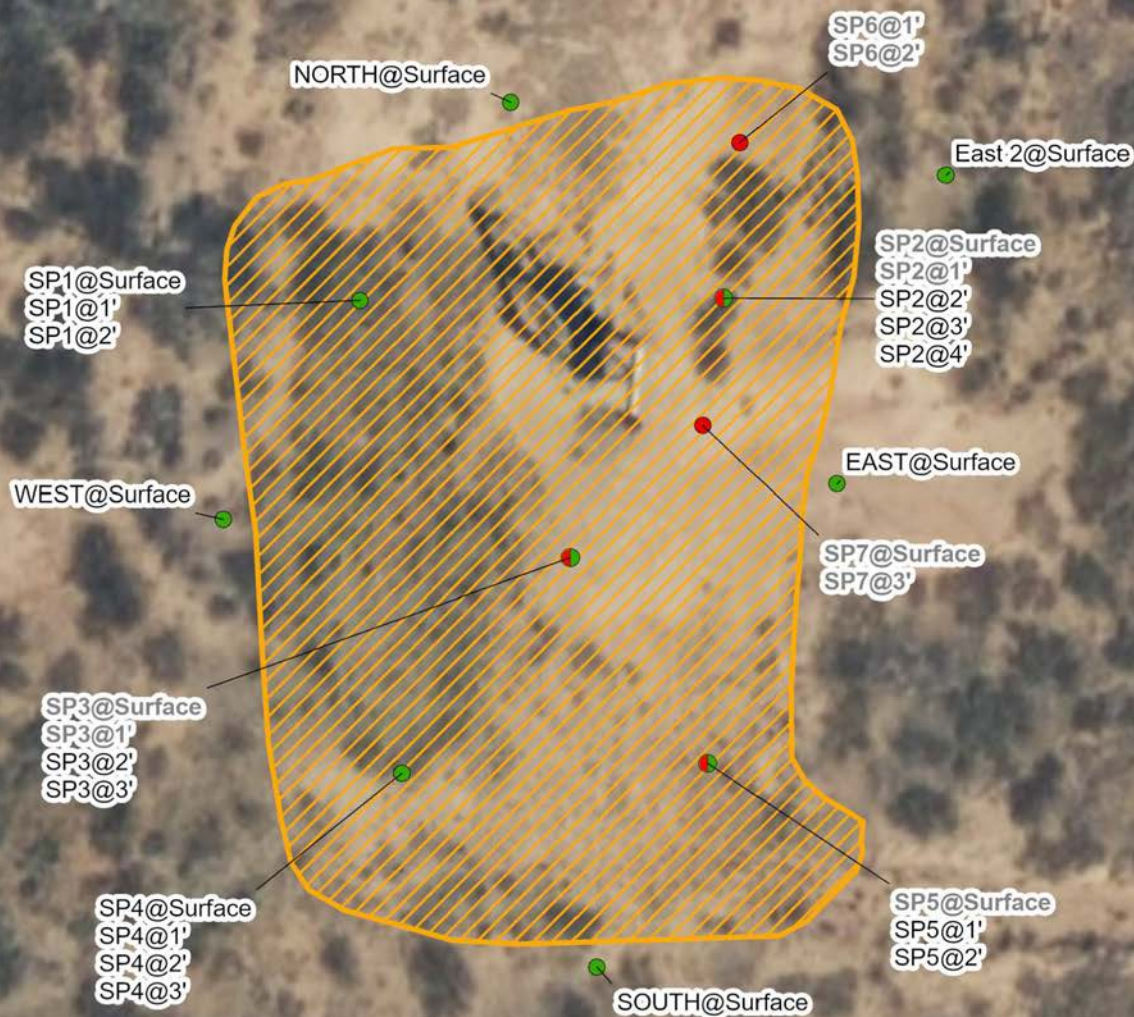
FIGURES



1

Legend

- Delineation Soil Samples in Compliance with Closure Criteria
- Delineation Soil Samples with Initial Concentrations Exceeding Closure Criteria
- Delineation Soil Samples Exceeding Closure Criteria
- ▨ Release Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Grey text indicate soil sample was removed during excavation activities.

0 10 20 40 60 80
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

Oxy USA, Inc.
 Twin Lakes SA Unit #028
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 Unit G, Sec 36, T08S, R28E
 Chaves County, New Mexico

FIGURE
2

Legend

- Floor Soil Samples in Compliance with NMOCD Closure Criteria
- Sidewall Soil Samples in Compliance with NMOCD Closure Criteria
- ▨ Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 BS: Bottom Sample
 SW: Sidewall Sample

0 5 10 20 30 40
 Feet

Sources: Environmental Systems Research Institute (ESRI)



Excavation Soil Sample Locations

Oxy USA, Inc.
 Twin Lakes SA Unit #028
 Incident Number
 nAPP240524333
 Unit G, Sec 36, T08S, R28E
 Chaves County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Twin Lakes SA Unit #028
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
Assessment Soil Samples										
North	11/15/2021	Surface	0.191	0.467	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
East	11/15/2021	Surface	0.188	0.454	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
East 2	01/31/2024	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
West	11/15/2021	Surface	0.266	0.605	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
South	11/15/2021	Surface	0.263	0.642	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SP1	11/15/2021	Surface	0.193	0.486	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP1	11/15/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SP1	11/15/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP2	11/15/2021	Surface	0.103	0.367	<10.0	<10.0	<10.0	<10.0	<10.0	3,320
SP2	11/15/2021	1	0.103	0.350	<10.0	11.4	14.9	11.4	26.3	3,160
SP2	11/15/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SP2	11/15/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SP2	11/15/2021	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	244
SP3	11/15/2021	Surface	0.130	0.356	<10.0	1,220	657	1,220	1,877	5,520
SP3	11/15/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,440
SP3	11/15/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
SP3	11/15/2021	3	0.079	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP4	11/15/2021	Surface	0.133	0.435	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP4	11/15/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
SP4	11/15/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SP4	11/15/2021	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP5	11/15/2021	Surface	0.301	0.645	<10.0	<10.0	<10.0	<10.0	<10.0	928
SP5	11/15/2021	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP5	11/15/2021	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP6	01/25/2024	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600
SP6	01/25/2024	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Twin Lakes SA Unit #028
 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
SP7	01/25/2024	Surface	<0.050	<0.300	<10.0	10.6	<10.0	10.6	10.6	4,960
SP7	01/25/2024	3	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,600
Excavation Floor Soil Samples										
Bottom 1	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 2	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 3	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 4	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 5	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 6	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 7	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 8	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 9	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 10	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 11	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 12	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 13	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 14	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 15	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 16	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 17	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 18	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 19	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 20	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 21	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 22	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 23	01/30/2025	4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 24	01/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0



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Twin Lakes SA Unit #028
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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 25	01/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 26	01/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 27	01/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 28	01/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 29	01/30/2025	2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 30	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 31	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 32	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 33	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 34	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 35	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 36	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Bottom 37	01/30/2025	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Excavation Sidewall Soil Samples										
Sidewall 1	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 2	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 3	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 4	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 5	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 6	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 7	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 8	01/31/2025	0 - 4	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 9	01/31/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 10	01/31/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 11	01/31/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 12	01/31/2025	0 - 2	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 13	01/31/2025	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Twin Lakes SA Unit #028
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
Sidewall 14	01/31/2025	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall 15	01/31/2025	0 - 1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Backfill Soil Sample										
Backfill Sample	01/31/2025	NA	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0

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:

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](#); [Wade Burns](#)
Subject: FW: Remediation negative survey Report submission for Ensolum- NMCRIS Activity 155397 (BCA24-1713 & 1715)
Date: Tuesday, July 16, 2024 10:14:13 AM
Attachments: [image001.jpg](#)
[image004.png](#)
[image006.jpg](#)
[image008.jpg](#)
[image002.jpg](#)
[image005.jpg](#)
[image007.png](#)
[image012.jpg](#)

[**EXTERNAL EMAIL**]

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: Curry, Anne R. <acurry@slo.state.nm.us>
Sent: Monday, July 15, 2024 4:43 PM
To: Raina Hanley <RHanley@bcarch.org>; CRO Info <croinfo@slo.state.nm.us>
Subject: RE: Remediation negative survey Report submission for Ensolum- NMCRIS Activity 155397 (BCA24-1713 & 1715)

Hello Raina,

Thank you for the submission of the attached Cover Sheet. Since the proposed remediation activities will take place in an area that has been covered by archaeological survey (NMCRIS 155397), Ensolum is free to move forward with remediation. Please reach out if you have additional questions-

Anne Curry

Director of Cultural Resources

& Archaeologist

Cultural Resources Office

505.469.5582

New Mexico State Land Office

310 Old Santa Fe Trail

P.O. Box 1148

Santa Fe, NM 87504-1148

acurry@slo.state.nm.us

nmstatelands.org

.....

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From: Raina Hanley <RHanley@bcarch.org>

Sent: Wednesday, April 24, 2024 2:30 PM

To: CRO Info <croinfo@slo.state.nm.us>

Subject: [EXTERNAL] Remediation negative survey Report submission for Ensolum- NMCRIS Activity 155397 (BCA24-1713 & 1715)

Good Afternoon,

Attached please find the negative report NIAF for NMCRIS Activity 155397 and the associated cultural resources cover sheet for the following project for Ensolum on behalf of Oxy USA for proposed remediation activities.

- A Class III Cultural Resources Inventory for Oxy USA's Twin Lakes SA Unit #027 Flowline Releases (Areas 1 & 2) and the Twin Lakes SA Unit #s 19 & 28 Flowline Releases Remediation Activities in Chaves County, New Mexico

The NIAF materials were submitted through NMCRIS, but the NIAF form itself was not. Please let me know if you would like to open the project so I can upload the PDF version of the information onto NMCRIS.

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
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APPENDIX B

Referenced Well Records



National Water Information System: Web Interface


USGS Water Resources

Data Category:
Groundwater

Geographic Area:
New Mexico

GO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 333423104032401

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

USGS 333423104032401 08S.28E.35.41334

Chaves County, New Mexico
Latitude 33°34'23", Longitude 104°03'24" NAD27
Land-surface elevation 3,931 feet above NAVD88
The depth of the well is 157 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1978-10-18		D	62610		3895.00	NGVD29	1	Z			A
1978-10-18		D	62611		3896.86	NAVD88	1	Z			A
1978-10-18		D	72019	34.14			1	Z			A
1984-02-16		D	62610		3893.37	NGVD29	1	Z			A
1984-02-16		D	62611		3895.23	NAVD88	1	Z			A
1984-02-16		D	72019	35.77			1	Z			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for New Mexico: Water Levels

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

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

Page Last Modified: 2024-02-07 16:44:11 EST


0.36 0.31 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 09732			1	22	08S	28E	585283	3719179* 
Driller License:	1082	Driller Company:			SPEARS, JACK DRILLING CO.				
Driller Name:	SPEARS, JACK								
Drill Start Date:	05/14/1999	Drill Finish Date:			06/17/1999		Plug Date:		
Log File Date:	06/22/1999	PCW Rev Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	10 GPM
Casing Size:	5.00	Depth Well:			922 feet		Depth Water:		600 feet
Water Bearing Stratifications:				Top	Bottom	Description			
				862	920	Shallow Alluvium/Basin Fill			
Casing Perforations:				Top	Bottom				
				832	922				

*UTM location was derived from PLSS - see Help

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

2/7/24 2:46 PM

POINT OF DIVERSION SUMMARY



APPENDIX C

Lithologic Soil Sampling Logs

Released to Imaging: 4/3/2025 9:39:51 AM



APPENDIX D

Photographic Log

**Photographic Log**

Oxy USA Inc.

Twin Lakes SA Unit #028

nAPP2405245333



Photograph: 1 Date: Dec 2024
Description: Excavation activities



Photograph: 2 Date: Dec 2024
Description: Excavation activities



Photograph: 3 Date: Jan 2025
Description: Backfill activities



Photograph: 4 Date: Jan 2025
Description: Backfill activities



APPENDIX E

Laboratory Analytical Reports & Chain of Custody Documentation



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

February 06, 2025

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TWIN LAKES SA UNIT #028

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 11:53.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 1 (H250621-01)

BTX 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	02/03/2025	ND	1.74	86.8	2.00	11.9		
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1		
Total BTX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 2 (H250621-02)

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	02/03/2025	ND	1.74	86.8	2.00	11.9		
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1		
Total BTEX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 3 (H250621-03)

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	02/03/2025	ND	1.74	86.8	2.00	11.9		
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 4 (H250621-04)

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	02/03/2025	ND	1.74	86.8	2.00	11.9		
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1		
Total BTEX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 5 (H250621-05)

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	02/03/2025	ND	1.74	86.8	2.00	11.9		
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1		
Total BTEX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 6 (H250621-06)

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	02/03/2025	ND	1.74	86.8	2.00	11.9		
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1		
Total BTEX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 7 (H250621-07)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 8 (H250621-08)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 9 (H250621-09)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 10 (H250621-10)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 11 (H250621-11)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 12 (H250621-12)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 13 (H250621-13)

BTX 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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 14 (H250621-14)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 15 (H250621-15)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 16 (H250621-16)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 17 (H250621-17)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 18 (H250621-18)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 19 (H250621-19)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 20 (H250621-20)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 21 @ 4' (H250621-21)

BTX 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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 22 @ 4' (H250621-22)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 23 @ 4' (H250621-23)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 24 @ 2' (H250621-24)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 25 @ 2' (H250621-25)

BTX 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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 26 @ 2' (H250621-26)

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	02/03/2025	ND	1.99	99.6	2.00	8.81		
Toluene*	<0.050	0.050	02/03/2025	ND	2.06	103	2.00	5.88		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	2.18	109	2.00	4.64		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	6.52	109	6.00	3.55		
Total BTEx	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 27 @ 2' (H250621-27)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 28 @ 2' (H250621-28)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 29 @ 2' (H250621-29)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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 Fax To: (575) 397-0397

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 30 @ 1' (H250621-30)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	196	98.1	200	3.36	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	186	93.2	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 31 @ 1' (H250621-31)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 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:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 32 @ 1' (H250621-32)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 33 @ 1' (H250621-33)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 34 @ 1' (H250621-34)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 35 @ 1' (H250621-35)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 36 @ 1' (H250621-36)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/30/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: BOTTOM 37 @ 1' (H250621-37)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 1 @ 4' (H250621-38)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 2 @ 4' (H250621-39)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 3 @ 4' (H250621-40)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 4 @ 4' (H250621-41)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 5 @ 4' (H250621-42)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 6 @ 4' (H250621-43)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEx	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 7 @ 4' (H250621-44)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 8 @ 4' (H250621-45)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/03/2025
 Reported: 02/06/2025
 Project Name: TWIN LAKES SA UNIT #028
 Project Number: NONE GIVEN
 Project Location: OXY - NEW MEXICO

Sampling Date: 01/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SIDEWALL 9 @ 2' (H250621-46)

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	02/03/2025	ND	1.79	89.7	2.00	6.55		
Toluene*	<0.050	0.050	02/03/2025	ND	1.88	93.8	2.00	6.53		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.81	90.4	2.00	6.57		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.30	88.3	6.00	6.66		
Total BTEX	<0.300	0.300	02/03/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 10 @ 2' (H250621-47)

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	02/04/2025	ND	2.09	105	2.00	0.527		
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	0.852		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.25	113	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.85	114	6.00	1.38		
Total BTEx	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 11 @ 2' (H250621-48)

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	02/04/2025	ND	2.09	105	2.00	0.527		
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	0.852		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.25	113	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.85	114	6.00	1.38		
Total BTEx	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 12 @ 2' (H250621-49)

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	02/04/2025	ND	2.09	105	2.00	0.527		
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	0.852		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.25	113	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.85	114	6.00	1.38		
Total BTEX	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 13 @ 1' (H250621-50)

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	02/04/2025	ND	2.09	105	2.00	0.527		
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	0.852		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.25	113	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.85	114	6.00	1.38		
Total BTEx	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/04/2025	ND	230	115	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	207	103	200	0.0851	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 14 @ 1' (H250621-51)

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	02/04/2025	ND	2.09	105	2.00	0.527		
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	0.852		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.25	113	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.85	114	6.00	1.38		
Total BTEx	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/04/2025	ND	199	99.4	200	0.790	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	184	92.2	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 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:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	TWIN LAKES SA UNIT #028	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NEW MEXICO		

Sample ID: SIDEWALL 15 @ 1' (H250621-52)

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	02/04/2025	ND	2.09	105	2.00	0.527		
Toluene*	<0.050	0.050	02/04/2025	ND	2.21	111	2.00	0.852		
Ethylbenzene*	<0.050	0.050	02/04/2025	ND	2.25	113	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/04/2025	ND	6.85	114	6.00	1.38		
Total BTEx	<0.300	0.300	02/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/04/2025	ND	199	99.4	200	0.790	
DRO >C10-C28*	<10.0	10.0	02/04/2025	ND	184	92.2	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/04/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

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

1 of 6

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST												
Project Manager: Cliff Brunson		P.O. #:														
Address: P.O. Box 805		Company: Oxy														
City: Hobbs		Attn:														
State: NM Zip: 88241		Address:														
Phone #: 575-397-6388 Fax #: 575-397-0397		City:														
Project #:		State: Zip:														
Project Name: Twin Lakes Sam'l # 028		Phone #:														
Project Location: New Mexico		Fax #:														
Sample Name: Roger Hernandez		PRESERV		SAMPLING												
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		ACID/BASE:		ICE / COOL		OTHER :		DATE	TIME	TPH	BTEX	CL-
1050102	Bottom 1	C	1	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			130.25	800	✓	✓	✓
2	2	C	1	✓		✓						130.25	815	✓	✓	✓
3	3	C	1	✓		✓						130.25	830	✓	✓	✓
4	4	C	1	✓		✓						130.25	845	✓	✓	✓
5	5	C	1	✓		✓						130.25	900	✓	✓	✓
6	6	C	1	✓		✓						130.25	915	✓	✓	✓
7	7	C	1	✓		✓						130.25	930	✓	✓	✓
8	8	C	1	✓		✓						130.25	945	✓	✓	✓
9	9	C	1	✓		✓						130.25	1000	✓	✓	✓
10	10	C	1	✓		✓						130.25	1015	✓	✓	✓
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Reinquired By: <i>Roger Hernandez</i>	Date: 3/3/25	Received By: <i>Speedriguey</i>	Time: 11:53	REMARKS:												
Reinquired By:	Date:	Received By:	Time:													
Delivered By: (Circle One) -7.4-(C+O.3	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: <i>8/2</i>														
Sampler - UPS - Bus - Other: -7.1: #140	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															

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



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

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 #028				City:			
Project Location: New Mexico				State: Zip:			
Sample Name: Robert Hernandez				Phone #:			
				Fax #:			
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	
HSC0621	Bottom 11	C 1	GROUNDWATER	<input checked="" type="checkbox"/>			TPH
11	12	C 1	WASTEWATER	<input checked="" type="checkbox"/>			BTEX
12	13	C 1	SOIL	<input checked="" type="checkbox"/>			CL-
13	14	C 1	OIL	<input checked="" type="checkbox"/>			
14	15	C 1	SLUDGE	<input checked="" type="checkbox"/>			
15	16	C 1	OTHER :	<input checked="" type="checkbox"/>			
16	17	C 1	ACID/BASE:	<input checked="" type="checkbox"/>			
17	18	C 1	ICE / COOL	<input checked="" type="checkbox"/>			
18	19	C 1	OTHER :	<input checked="" type="checkbox"/>			
19	20	C 1	DATE	TIME			
20		C 1	1:30:15	1030	<input checked="" type="checkbox"/>		
			1:30:15	1045	<input checked="" type="checkbox"/>		
			1:30:15	1100	<input checked="" type="checkbox"/>		
			1:30:25	1115	<input checked="" type="checkbox"/>		
			1:30:25	1130	<input checked="" type="checkbox"/>		
			1:30:25	1145	<input checked="" type="checkbox"/>		
			1:30:25	1200	<input checked="" type="checkbox"/>		
			1:30:25	1230	<input checked="" type="checkbox"/>		
			1:30:25	1245	<input checked="" type="checkbox"/>		
			1:30:25	100	<input checked="" type="checkbox"/>		

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Relinquished By: [Signature]	Date: 8/3/05	Received By: [Signature]	Time: 1:53
Relinquished By: [Signature]	Date:	Received By:	Time:

Delivered By: (Circle One) 7.4 LBS + 0.3 = 7.7 LBS #140

Sampler - UPS - Bus - Other:

Sample Condition
Cool Intact
☒ Yes ☐ No

CHECKED BY: [Signature] (Initials)

REMARKS:

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:

Released to Imaging: 4/3/2025 9:39:51 AM



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

396

Company Name: BBC International, Inc.				BILL TO				ANALYSIS REQUEST																							
Project Manager: Cliff Brunson				P.O. #:																											
Address: P.O. Box 805				Company: Oxy																											
City: Hobbs				Attn:																											
State: NM zip: 88241																															
Phone #: 575-397-6388 Fax #: 575-397-0397				Address:																											
Project #:				City:																											
Project Name: Twin Lakes SA unit # 028				State:																											
Project Location: New Mexico				Phone #:																											
Sample Name: Paper Handout				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING																			
								<input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :																							
H500031		Bottom 21 e 4-		C 1		1								DATE		TIME		TPH		BTX		CL-									
21		Bottom 22 a 4-		C 1		1								1.30.25		115															
22		Bottom 23 e 4-		C 1		1								1.30.25		130															
23		Bottom 24 e 4-		C 1		1								1.30.25		145															
24		Bottom 25 e 2-		C 1		1								1.30.25		200															
25		Bottom 26 e 2-		C 1		1								1.30.25		215															
26		Bottom 27 e 2-		C 1		1								1.30.25		230															
27		Bottom 28 e 2-		C 1		1								1.30.25		245															
28		Bottom 29 e 2-		C 1		1								1.30.25		300															
29		Bottom 30 e 1-		C 1		1								1.30.25		315															
30				C 1		1								1.30.25		330															
<small>PLEASE NOTE: Liability and Damages: Cardinal's liability and contract's exclusive remedy for any claim arising whether stated in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																															
Relinquished By: [Signature]				Date: 2.3.25				Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
Relinquished By: [Signature]				Date: 11.53				Received By: [Signature]				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:															
Time:				Time:																											
Delivered By: (Circle One) 7.4.10 + 0.3-				Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact				CHECKED BY: [Signature]																							
Sampler - UPS - Bus - Other: 7.1 = #140				Checked: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																											

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 6

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST												
Project Manager: Cliff Brunson		P.O. #:														
Address: P.O. Box 805		Company: Oxy														
City: Hobbs		Attn:														
State: NM Zip: 88241		Address:														
Phone #: 575-397-6388 Fax #: 575-397-0397		City:														
Project #:		State: Zip:														
Project Name:		Phone #:														
Project Location: New Mexico		Fax #:														
Sample Name:		PRESERV		SAMPLING												
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		ACID/BASE:		ICE / COOL		OTHER :		DATE	TIME	TPH	BTEX	CL-
AB50621	Bottom 31' @ 1'	C		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			1.30.25	345			
32	32' @ 1'	C										1.30.25	400			
33	33' @ 1'	C										1.30.25	415			
34	34' @ 1'	C										1.30.25	430			
35	35' @ 1'	C										1.30.25	445			
36	36' @ 1'	C										1.30.25	500			
37	37' @ 1'	C										1.31.25	815			
38	38' @ 1'	C										1.31.25	800			
39	39' @ 1'	C										1.31.25	810			
40	40' @ 1'	C										1.31.25	870			
<p>PLEASE NOTE: Liability and Damages: Cardinal's liability and damages are limited to the amount paid by the client for the analysis. 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 rendered by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																
Relinquished By:	Date: 3.3.25	Received By:	Time: 11:53													
Relinquished By:	Date:	Received By:	Time:													
Delivered By: (Circle One) 7.4. / C40.3	Sample Condition	Cool	Intact	CHECKED BY:												
Sampler - UPS - Bus - Other: 7.1. #140	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)												
REMARKS:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:											
				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:											

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5096

Company Name: BBC International, Inc.		BILL TO		ANALYSIS REQUEST													
Project Manager: Cliff Brunson		P.O. #:															
Address: P.O. Box 805		Company: Oxy															
City: Hobbs		Attn:															
State: NM Zip: 88241		Address:															
Phone #: 575-397-6388 Fax #: 575-397-0397		City:															
Project #: Project Owner: Oxy		State: Zip:															
Project Name: Twin Lakes # 2 B		Phone #:															
Project Location: New Mexico		Fax #:															
Sample Name: Roger Hernandez		PRESERV		SAMPLING													
FOR LAB USE ONLY																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV			SAMPLING							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TDH	BTEX	CL-
41	SideWall 4	C	1										1.31.15	830			
42	SideWall 5	C	1										1.31.15	840			
43	SideWall 6	C	1										1.31.15	850			
44	SideWall 7	C	1										1.31.15	900			
45	SideWall 8	C	1										1.31.15	910			
46	SideWall 9	C	1										1.31.15	920			
47	SideWall 10	C	1										1.31.15	930			
48	SideWall 11	C	1										1.31.15	940			
49	SideWall 12	C	1										1.31.15	950			
50	SideWall 13	C	1										1.31.15	1000			
<p>PLEASE NOTE: Liability and Damages: Cardinal's liability and cost of recovery ending 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 rendered by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																	
Relinquished By: [Signature]		Date: 8/3/25		Received By: [Signature]		Date: 8/3/25		Time: 1:53		Sample Condition: Cool Intact		CHECKED BY: [Signature]		Phone Result: [] Yes [] No Add'l Phone #: [] Yes [] No Add'l Fax #: []			
Reinquinshed By: [Signature]		Date: 8/3/25		Received By: [Signature]		Date: 8/3/25		Time: 1:53		Sample Condition: Cool Intact		CHECKED BY: [Signature]		Phone Result: [] Yes [] No Add'l Phone #: [] Yes [] No Add'l Fax #: []			
Delivered By: (Circle One) 7416 + 0.31		Sample Condition: Cool Intact		CHECKED BY: [Signature]													
Sampler - UPS - Bus - Other: 7.1.12 #140		Cool Intact		CHECKED BY: [Signature]													

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(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: Twin Lakes S4 unit # 028

Project Location: New Mexico

Sample Name: Roper Remediation

FOR LAB USE ONLY

P.O. #:

Company: Oxy

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

State: NM **Zip:** 88241

Fax #: 575-397-0397

Project Owner: Oxy

Matrix:

Preserv:

Sampling:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	TPH	BTEX	CL
4350621	SIDEWALK 14' 1"		1										11/31/25	1010	✓	✓	✓
S2	✓ 15' 0" 1"		1										11/31/25	1020	✓	✓	✓

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Relinquished By: [Signature]

Relinquished By: [Signature]

Delivered By: (Circle One) -74- C+O-3-

Sampler - UPS - Bus - Other: -7-1c #140

Received By: [Signature]

Received By: [Signature]

Sample Condition:

Checked By: [Signature]

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**

Fax Result: ☐ Yes ☐ No **Add'l Fax #:**

REMARKS:



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

February 06, 2025

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BURRIS'S #2 PITT

Enclosed are the results of analyses for samples received by the laboratory on 02/03/25 11:53.

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	02/03/2025	Sampling Date:	01/31/2025
Reported:	02/06/2025	Sampling Type:	Soil
Project Name:	BURRIS'S #2 PITT	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - NM		

Sample ID: BACKFILL SAMPLE (H250620-01)

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	02/03/2025	ND	1.74	86.8	2.00	11.9		
Toluene*	<0.050	0.050	02/03/2025	ND	1.81	90.3	2.00	13.6		
Ethylbenzene*	<0.050	0.050	02/03/2025	ND	1.75	87.5	2.00	13.9		
Total Xylenes*	<0.150	0.150	02/03/2025	ND	5.36	89.3	6.00	14.1		
Total BTEX	<0.300	0.300	02/03/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/03/2025	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	02/03/2025	ND	223	112	200	2.45	
DRO >C10-C28*	<10.0	10.0	02/03/2025	ND	214	107	200	0.386	
EXT DRO >C28-C36	<10.0	10.0	02/03/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



APPENDIX E

NMOCD

Correspondence

From: [Wells, Shelly, EMNRD](#)
To: [Aimee Cole](#)
Cc: [Bratcher, Michael, EMNRD](#); [Hamlet, Robert, EMNRD](#)
Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes Remediation Sites (6 sites)
Date: Monday, June 10, 2024 2:48:56 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.jpg](#)

[**EXTERNAL EMAIL**]

Hi Aimee,

The extension requests for NAPP2405245671 TWIN LAKES SA UNIT #019, NAPP2405245333 TWIN LAKES SA UNIT #028, and NAPP2405244372 TWIN LAKES SA UNIT #316 is approved. The new due date to submit your remediation closure reports to the OCD is September 9, 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.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Aimee Cole <acole@ensolum.com>
Sent: Monday, June 10, 2024 11:58 AM
To: Enviro, OCD, EMNRD <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



From: [Wells, Shelly, EMNRD](#)
To: [Aimee Cole](#)
Cc: [Bratcher, Michael, EMNRD](#); [Dittrich, John W](#)
Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #028 (Incident # nAPP2405245333)
Date: Tuesday, December 3, 2024 10:25:09 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.jpg](#)

[**EXTERNAL EMAIL**]

Good morning Aimee,

This is the third and **final extension** that will be granted for the following release:
NAPP2405245333 TWIN LAKES SA UNIT #028. The new due date to submit your remediation closure report to the OCD is March 3, 2025. 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.

Kind regards,

Shelly

[Shelly Wells](#) * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Aimee Cole <acole@ensolum.com>
Sent: Monday, December 2, 2024 3:41 PM
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 #028 (Incident # nAPP2405245333)

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 December 3, 2024, deadline for

submitting a report required in 9.15.29.12.B.(1) NMAC detailing remedial actions at the Twin Lakes SA Unit #028 (Incident # nAPP2405245333).

Following approval of the previous extension request (see below), a contractor was secured to complete excavation activities at the eight remaining Twin Lakes sites beginning the week of September 9, 2024. Excavation and soil sampling activities were able to be completed at four of the sites. Heavy rains and flooding in the Roswell area prevented access to the sites for several weeks during October and November and delayed excavation activities at the remaining four sites. Excavation activities were able to resume during the week of November 18th and are currently in progress. Closure reports are being prepared for the four completed sites; however, Oxy is requesting a 90-day extension for the remaining four sites to allow time to 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

From: Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>

Sent: Friday, September 6, 2024 9:38 AM

To: Aimee Cole <acole@ensolum.com>

Cc: Dittrich, John W <Wade_Dittrich@oxy.com>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Oxy USA Inc. - Extension Request - Twin Lakes SA Unit #028 (Incident # nAPP2405245333)

[**EXTERNAL EMAIL**]

Good morning, Aimee

The extension request for Twin Lakes, # nAPP2405245333 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 10:13 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 #028 (Incident # nAPP2405245333)

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 #028 (Incident # nAPP2405245333).

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


Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 441541

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 441541
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2405245333
Incident Name	NAPP2405245333 TWIN LAKES SA UNIT #028 @ 30-005-61633
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-005-61633] TWIN LAKES SAN ANDRES UNIT #028

Location of Release Source

Please answer all the questions in this group.

Site Name	TWIN LAKES SA UNIT #028
Date Release Discovered	11/01/2021
Surface Owner	State

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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.

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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QUESTIONS, Page 2

Action 441541

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 441541
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: 02/28/2024
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QUESTIONS, Page 3

Action 441541

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 441541
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>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.</i>	
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
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (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 1000 (ft.) and ½ (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	No

Remediation Plan	
<i>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.</i>	
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)	5520
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1877
GRO+DRO (EPA SW-846 Method 8015M)	1220
BTEX (EPA SW-846 Method 8021B or 8260B)	0.6
Benzene (EPA SW-846 Method 8021B or 8260B)	0.3
<i>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>	
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	11500
What is the estimated volume (in cubic yards) that will be reclaimed	800
What is the estimated surface area (in square feet) that will be remediated	11500
What is the estimated volume (in cubic yards) that will be remediated	800
<i>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.</i>	
<i>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.</i>	

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QUESTIONS, Page 4

Action 441541

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 441541
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site 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
<i>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>	
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: 02/28/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 441541

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 441541
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 441541

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 441541
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	425382
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2025
What was the (estimated) number of samples that were to be gathered	52
What was the sampling surface area in square feet	14257

Remediation Closure Request	
<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	14535
What was the total volume (cubic yards) remediated	1480
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	14535
What was the total volume (in cubic yards) reclaimed	1480
Summarize any additional remediation activities not included by answers (above)	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.
<i>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>	
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: 03/12/2025

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Action 441541

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 441541

CONDITIONS

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	Action Number: 441541
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/3/2025