



DELINEATION WORKPLAN

OXY – TURKEY TRACK CTB (Leak Date: 8/18/18)

RP # 2RP-4949

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-4949.

The following information includes:

1. Appropriate completed and signed C-141 pages.
2. Scaled digital site map with spill area demarcated and leak point identified along with sample point locations and areas of remediation at appropriate depths.
3. GPS information for sample points and sample methodology.
4. Depth to groundwater information (i.e., pdf of OSE search results, USGS search results, and/or copy of Chevron groundwater trend map).
5. Watercourse/features map within 1000 feet.
6. BLM Cave Karst map.
7. FEMA National Flood map.
8. Laboratory analysis results summary table and original laboratory analysis reports.
9. Potentially other pertinent information as necessary for site specific purposes.

Based on the information included in this package and the NMOCD rules, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram. The leak areas near SP5-SP8 (GREEN shade on diagram) will be excavated to a depth of 6 inches. This is a new battery and some of the leak is on the pad and some in the pasture. There are no new aerials showing the new development and infrastructure.

Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 250 cubic yards. The remediation will be completed within 90 days of plan approval.

The entire site will then be backfilled with clean soil and revegetated (if warranted) to the standards of the appropriate regulatory agency or private surface owner.

All excavated materials will be disposed of at an NMOCD-approved disposal facility.

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-4949 |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 150 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-4949 |
| Facility ID | |
| Application ID | |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Wade DittrichTitle: Environmental SpecialistSignature: Date: 10-30-18email: wade_dittrich@oxy.comTelephone: (575) 390-2828**OCD Only**

Received by: _____

Date: _____

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-4949 |
| Facility ID | |
| Application ID | |

Remediation Plan


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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Wade Dittrich Title: Environmental Specialist
Signature:  Date: 10-30-08
email: wade_dittrich@oxy.com Telephone: (575) 390-2828

OCD Only

Received by: _____ Date: _____




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

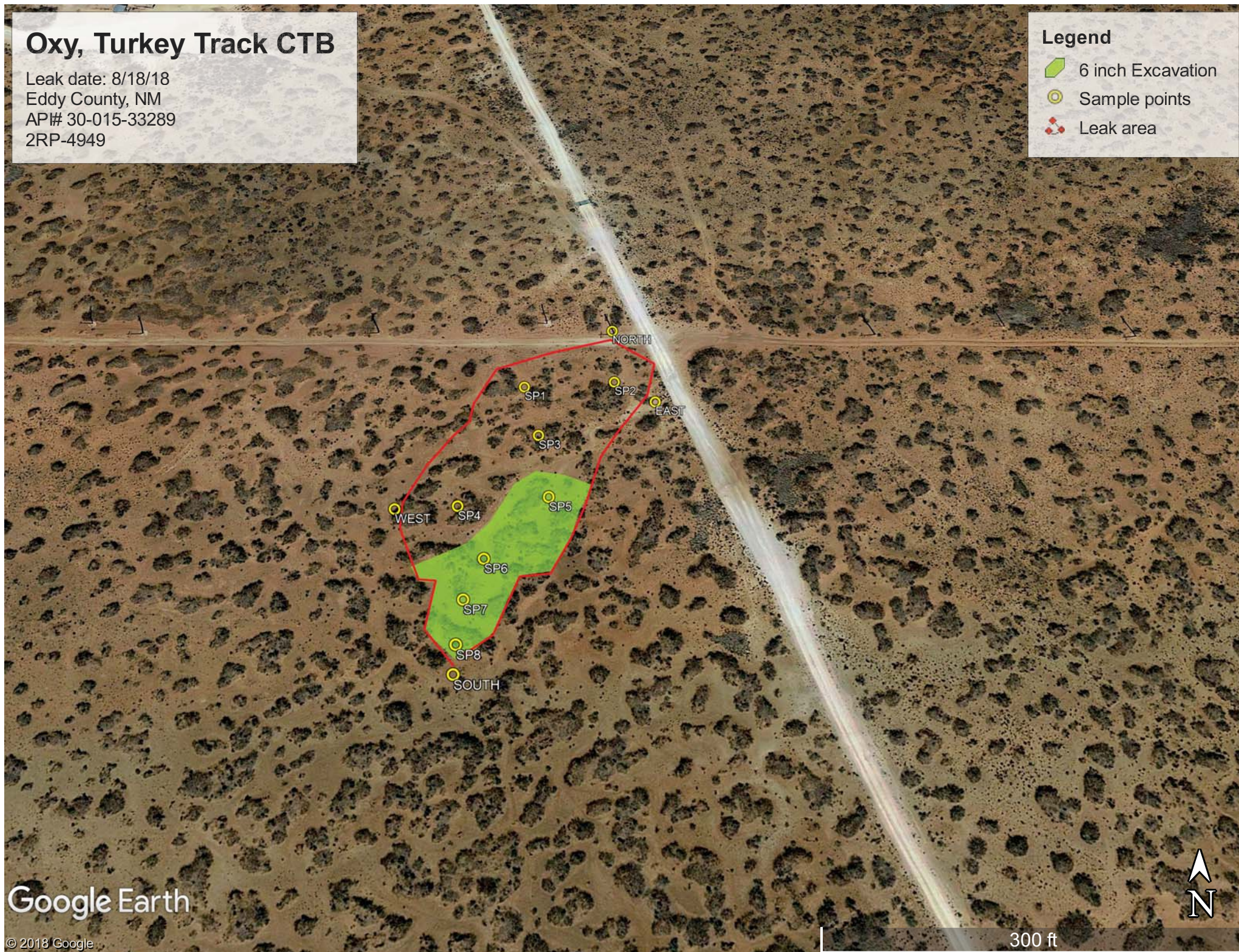
Signature: _____ Date: _____

Oxy, Turkey Track CTB

Leak date: 8/18/18
Eddy County, NM
API# 30-015-33289
2RP-4949

Legend

-  6 inch Excavation
-  Sample points
-  Leak area



Google Earth

© 2018 Google

300 ft



New Mexico State Land Office Revegetation and Noxious Weed Management Plan

OXY – Turkey Track CTB

Revegetation Plan

Disturbed areas associated with the remediation efforts will be reseeded. If after one growing season, the vegetation has not taken hold, seeding may need to be repeated until revegetation is successful, as determined by the State Land Office. The seed will be spread by either using a hand-held broadcaster or tractor-mounted broadcaster and the area will be raked or dragged to cover the seed. If the seed will be broadcast, the pounds per acre will be double over the amount used by drill planting.

The seed mixture will be the appropriate mixture for the specific site and planted in the required amounts of pounds pure live seed (PLS) per acre. Commercially sold seed will be either certified or registered and will not contain primary or secondary noxious weeds.

Gamma grass – 40% - 3.0 lbs. PLS

Buffalo grass – 40% - 3.0 lbs. PLS

Side oats – 10% - 1.0% lbs. PLS

Four wing Salt bush – 10% - 3.0 lbs. PLS

Noxious Weed Management Plan

The site will be visited to assess the establishment of vegetative growth. Personnel performing the site visit will also look for the presence of noxious weeds at the site as indicated on the New Mexico Noxious Weeds List specified on the United States Department of Agriculture website. If a noxious weed is observed at the site, the NMSLO will be contacted to determine the most effective manner to eradicate it.

Oxy, Turkey Track CTB (8/18/18)

Sample points

SP1, N 32.68260 W-104.09316

SP2, N 32.68262 W-104.09288

SP3, N 32.38244 W-104.09311

SP4, N 32.68221 W-104.09333

SP5, N 32.68224 W-104.09307

SP6, N 32.68206 W-104.09324

SP7, N 32.68194 W-104.09329

SP8, N 32.68182 W-104.09330

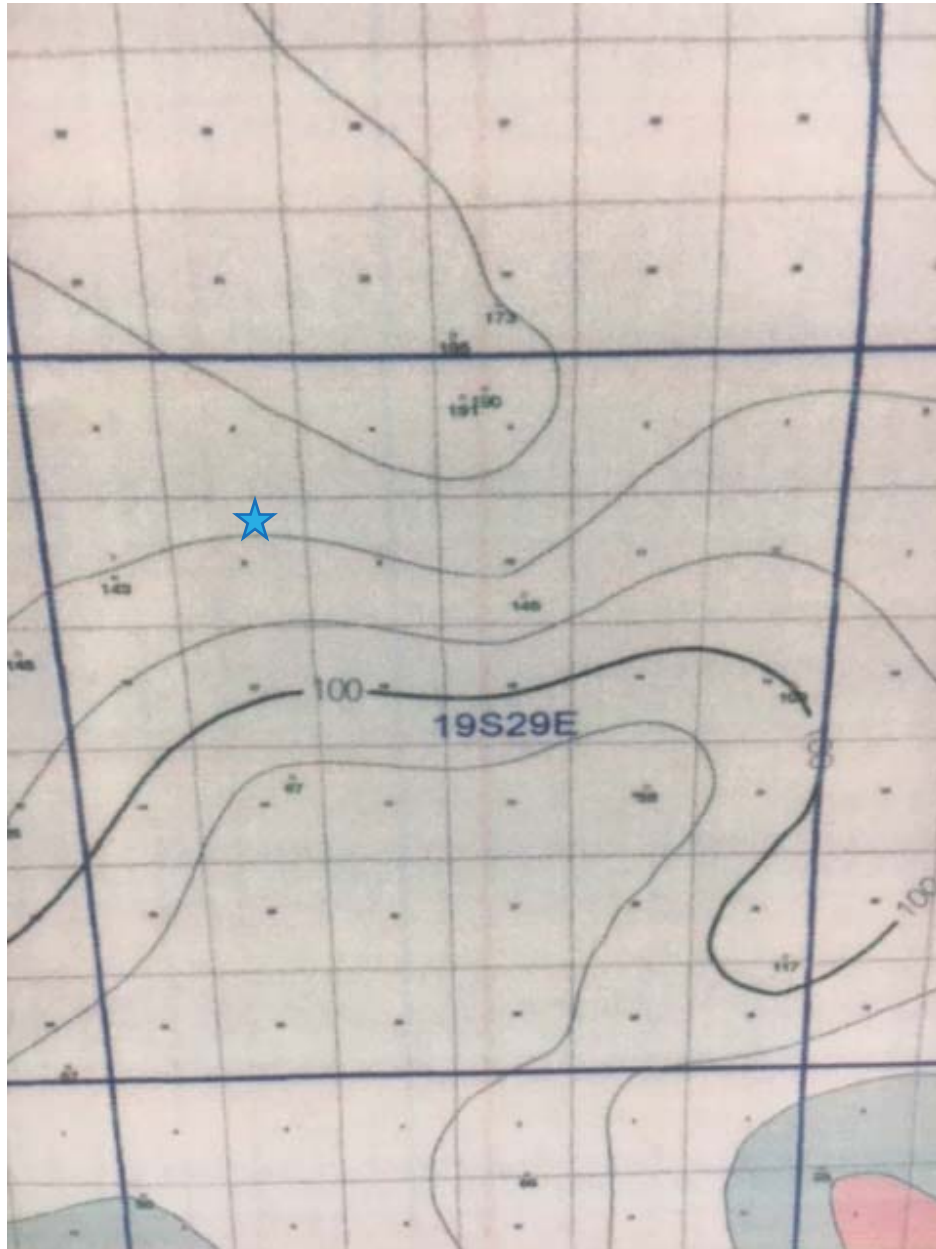
NORTH, N 32.68280 W-104.09289

SOUTH, N 32.68175 W-104.09330

EAST, N 32.62855 W-104.09276

WEST, N 32.68221 W-104.09351

Oxy, Turkey Track CTB
U/L B, Section 8, T19S, R29E
Groundwater: 150'





New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 584858

Northing (Y): 3616262

Radius: 1700

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

2/6/18 9:22 AM

WATER COLUMN/ AVERAGE
DEPTH TO WATER



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[Contact USGS](#)
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National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category: Geographic Area:

Click to hideNews Bulletins

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

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

- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324026104064301

Minimum number of levels = 1

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

USGS 324026104064301 19S.29E.07.41134

Eddy County, New Mexico

Latitude 32°40'26", Longitude 104°06'43" NAD27

Land-surface elevation 3,375 feet above NAVD88

The depth of the well is 199 feet below land surface.

This well is completed in the Artesia Group (313ARTS) local aquifer.

Output formats

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

| Date | Time | ? Water-level date-time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water-level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source of measurment |
|------------|------|---|---|---|---------------------------------|------------------------------|-------------|-------------------------------|--------------------------|------------------------------|
| 1984-04-26 | | D | 149.40 | | | 2 | | U | | |
| 1994-03-04 | | D | 149.25 | | | 2 | | S | | |
| 1999-02-19 | | D | 151.13 | | | 2 | | S | USGS | |
| 2004-03-02 | | D | 149.19 | | | 2 | | S | USGS | |

Explanation

| Section | Code | Description |
|--------------------------------|------|--|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot |
| Status | | The reported water-level measurement represents a static level |
| Method of measurement | S | Steel-tape measurement. |

| Section | Code | Description |
|-----------------------------|------|---|
| Method of measurement | U | Unknown method. |
| Measuring agency | | Not determined |
| Measuring agency | USGS | U.S. Geological Survey |
| Source of measurement | A | Reported by another government agency (do not use "A" if reported by owner, use "O"). |
| Source of measurement | S | Measured by personnel of reporting agency. |
| Source of measurement | U | Source is unknown. |
| Water-level approval status | A | Approved for publication -- Processing and review completed. |

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Title: Groundwater for New Mexico: Water Levels

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

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

Page Last Modified: 2018-10-30 11:33:12 EDT



0.52 0.43 nadww01

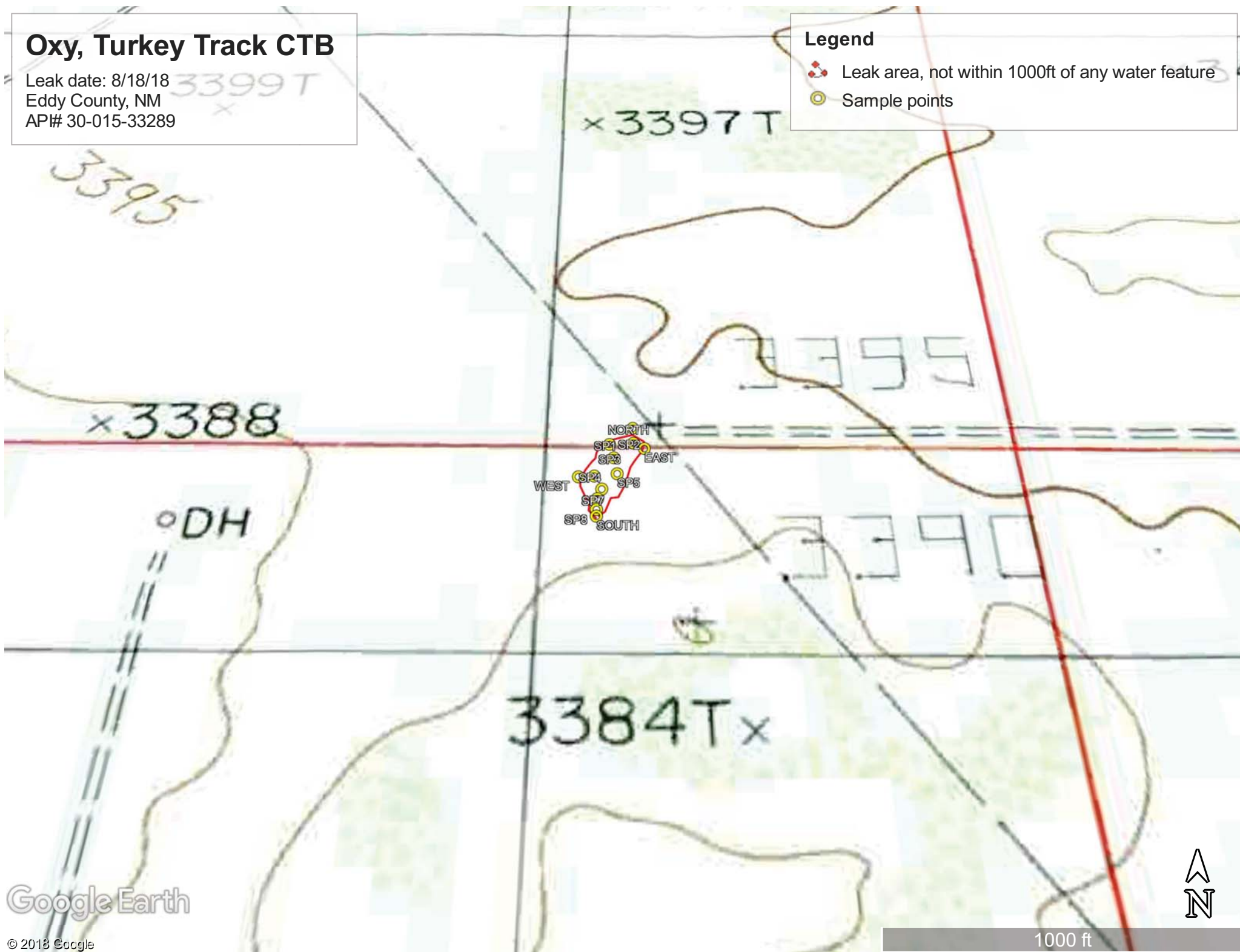


Oxy, Turkey Track CTB

Leak date: 8/18/18
Eddy County, NM
API# 30-015-33289

Legend

-  Leak area, not within 1000ft of any water feature
-  Sample points





Oxy, Turkey Track CTB

Leak date: 8/18/18
Eddy County, NM
API# 30-015-33289

BLM Cave Karst Map

Legend

-  LOW Potential
-  Turkey Track CTB

 Turkey Track CTB

360

Google Earth

© 2018 Google



1 mi

National Flood Hazard Layer FIRMette



32°41'11.10"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

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

32°40'40.81"N

Legend

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

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



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/4/2018 at 11:21:23 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Laboratory Analytical Results Summary
Turkey Track CTB (8/18/18)

| | | Sample ID | SP1 @ SURFACE | SP1 @ 1' | SP1 @ 2' |
|---------------|------------|-----------|------------------|----------|----------|
| Analyte | Method | Date | 9/21/18 | 9/21/18 | 9/21/18 |
| | | | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 48 | 144 | 64 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | 10.4 | <10.0 |
| EXT DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |

| | | Sample ID | SP2 @ SURFACE | SP2 @ 1' | SP2 @ 2' |
|---------------|------------|-----------|------------------|----------|----------|
| Analyte | Method | Date | 9/21/18 | 9/21/18 | 9/21/18 |
| | | | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 16 | 16 | 80 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 56.4 | <10.0 | <10.0 |
| EXT DRO | TPH 8015M | | 12.2 | <10.0 | <10.0 |

| | | Sample ID | SP3 @ SURFACE | SP3 @ 1' | SP3 @ 2' |
|---------------|------------|-----------|------------------|----------|----------|
| Analyte | Method | Date | 9/21/18 | 9/21/18 | 9/21/18 |
| | | | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 32 | 80 | 80 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 63.3 | <10.0 | <10.0 |
| EXT DRO | TPH 8015M | | 12.9 | <10.0 | <10.0 |

| | | Sample ID | SP4 @ SURFACE | SP4 @ 1' | SP4 @ 2' |
|---------------|------------|-----------|------------------|----------|----------|
| Analyte | Method | Date | 9/21/18 | 9/21/18 | 9/21/18 |
| | | | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 32 | 32 | 16 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 95 | <10.0 | <10.0 |
| EXT DRO | TPH 8015M | | 26.6 | <10.0 | <10.0 |

| | | Sample ID | SP5 @ SURFACE | SP5 @ 1' | SP5 @ 2' |
|---------------|------------|-----------|------------------|----------|----------|
| Analyte | Method | Date | 9/21/18 | 9/21/18 | 9/21/18 |
| | | | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.114 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 0.482 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 0.596 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 32 | 32 | 16 |
| GRO | TPH 8015M | | 15.5 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 3560 | 26 | <10.0 |
| EXT DRO | TPH 8015M | | 1010 | 20.7 | <10.0 |

| | | Sample ID | SP6 @ SURFACE | SP6 @ 1' | SP6 @ 2' |
|---------------|------------|-----------|------------------|----------|----------|
| Analyte | Method | Date | 9/21/18 | 9/21/18 | 9/21/18 |
| | | | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 0.126 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.338 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 1.1 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 1.56 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 32 | <16.0 | <16.0 |
| GRO | TPH 8015M | | 59.3 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 15900 | 17.1 | <10.0 |
| EXT DRO | TPH 8015M | | 3720 | 23.7 | <10.0 |

| | | Sample ID | SP7 @ SURFACE | SP7 @ 1' | SP7 @ 2' | SP7 @ 3' | SP7 @ 4' | SP7 @ 5' | SP7 @ 6' | SP7 @ 7' | SP7 @ 8' |
|---------------|------------|-----------|------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Analyte | Method | Date | 9/21/18 | 9/24/18 | 9/24/18 | 9/24/18 | 9/24/18 | 9/24/18 | 9/24/18 | 9/24/18 | 9/24/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 | <0.150 | <0.150 | <0.150 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 | <0.300 | <0.300 | <0.300 | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | <16.0 | 32 | 48 | 16 | 32 | 32 | 16 | 176 | 208 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 91.7 | 699 | 586 | <10.0 | <10.0 | 1260 | 26.6 | <10.0 | <10.0 |
| EXT DRO | TPH 8015M | | 20.6 | 121 | 126 | <10.0 | <10.0 | 280 | <10.0 | <10.0 | <10.0 |

| | | Sample ID | SP8 @ SURFACE | SP8 @ 1' | SP8 @ 2' | SP8 @ 3' |
|---------------|------------|-----------|------------------|----------|----------|----------|
| Analyte | Method | Date | 9/24/18 | 9/24/18 | 9/24/18 | 9/24/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.056 | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 0.259 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 0.315 | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 16 | 48 | 128 | 128 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 2060 | 46.3 | <10.0 | <10.0 |
| EXT DRO | TPH 8015M | | 737 | 23.1 | <10.0 | <10.0 |

Laboratory Analytical Results Summary
Turkey Track CTB (8/18/18)

| | | Sample ID | NORTH @ SURFACE | EAST @ SURFACE | WEST @ SURFACE | SOUTH @ SURFACE |
|---------------------|------------|-----------|--------------------|-------------------|-------------------|--------------------|
| Analyte | Method | Date | 9/21/18 | 9/24/18 | 9/24/18 | 9/24/18 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Total Xylene | BTEX 8021B | | <0.150 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | <0.300 | <0.300 | <0.300 |
| Chloride | SM4500Cl-B | | 240 | 256 | 240 | 224 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |
| EXT DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |

October 03, 2018

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: TURKEY TRACK CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/27/18 14:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|------------------|---------------------|----------------|
| Received: | 09/27/2018 | Sampling Date: | 09/21/2018 |
| Reported: | 10/03/2018 | Sampling Type: | Soil |
| Project Name: | TURKEY TRACK CTB | Sampling Condition: | Cool & Intact |
| Project Number: | (8/18/18) | Sample Received By: | Tamara Oldaker |
| Project Location: | OXY | | |

Sample ID: SP 1 @ SURFACE (H802746-01)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTEX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.8 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.0 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 1' (H802746-02)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 85.3 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | 10.4 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.7 % 41-142

Surrogate: 1-Chlorooctadecane 80.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 2' (H802746-03)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 85.9 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.5 % 41-142

Surrogate: 1-Chlorooctadecane 82.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ SURFACE (H802746-04)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | 56.4 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | 12.2 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 1' (H802746-05)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.4 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.9 % 41-142

Surrogate: 1-Chlorooctadecane 75.5 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 2' (H802746-06)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 87.9 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.1 % 41-142

Surrogate: 1-Chlorooctadecane 73.9 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ SURFACE (H802746-07)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.5 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | 63.3 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | 12.9 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.7 % 41-142

Surrogate: 1-Chlorooctadecane 82.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 1' (H802746-08)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 85.8 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.6 % 41-142

Surrogate: 1-Chlorooctadecane 79.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 2' (H802746-09)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.7 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.2 % 41-142

Surrogate: 1-Chlorooctadecane 77.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ SURFACE (H802746-10)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | 95.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | 26.6 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 41-142

Surrogate: 1-Chlorooctadecane 92.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 1' (H802746-11)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.3 % 41-142

Surrogate: 1-Chlorooctadecane 82.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 2' (H802746-12)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTEX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.1 % 41-142

Surrogate: 1-Chlorooctadecane 82.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ SURFACE (H802746-13)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | 0.114 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | 0.482 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | 0.596 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | | |
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | S-04 |

Surrogate: 1-Chlorooctane 84.4 % 41-142

Surrogate: 1-Chlorooctadecane 152 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 1' (H802746-14)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/29/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | 26.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | 20.7 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.3 % 41-142

Surrogate: 1-Chlorooctadecane 80.6 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 @ 2' (H802746-15)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | <10.0 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.6 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ SURFACE (H802746-16)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | 0.126 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | 0.338 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | 1.10 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTX | 1.56 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | 59.3 | 50.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | | |
| DRO >C10-C28* | 15900 | 50.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | | |
| EXT DRO >C28-C36 | 3720 | 50.0 | 09/29/2018 | ND | | | | | | |

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 601 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 1' (H802746-17)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.82 | 91.2 | 2.00 | 1.44 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.00 | 100 | 2.00 | 0.978 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 2.10 | 105 | 2.00 | 1.25 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 6.35 | 106 | 6.00 | 1.86 | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 86.3 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 09/29/2018 | ND | 186 | 93.0 | 200 | 3.10 | |
| DRO >C10-C28* | 17.1 | 10.0 | 09/29/2018 | ND | 195 | 97.4 | 200 | 2.35 | |
| EXT DRO >C28-C36 | 23.7 | 10.0 | 09/29/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.6 % 41-142

Surrogate: 1-Chlorooctadecane 87.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 2' (H802746-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/21/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ SURFACE (H802746-19)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | 91.7 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | 20.6 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.3 % 41-142

Surrogate: 1-Chlorooctadecane 99.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 1' (H802746-20)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

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

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | 699 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | 121 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 2' (H802746-21)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | 586 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | 126 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.9 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 3' (H802746-22)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 41-142

Surrogate: 1-Chlorooctadecane 76.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 4' (H802746-23)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 5' (H802746-24)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | |
| Total BTX | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | 1260 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | 280 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.0 % 41-142

Surrogate: 1-Chlorooctadecane 145 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 6' (H802746-25)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | 26.6 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 87.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 7' (H802746-26)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.9 % 41-142

Surrogate: 1-Chlorooctadecane 98.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 8' (H802746-27)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.2 % 41-142

Surrogate: 1-Chlorooctadecane 93.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 8 @ SURFACE (H802746-28)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | |
| Ethylbenzene* | 0.056 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | |
| Total Xylenes* | 0.259 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | |
| Total BTX | 0.315 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | 2060 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | 737 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.5 % 41-142

Surrogate: 1-Chlorooctadecane 207 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 8 @ 1' (H802746-29)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | 46.3 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | 23.1 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 93.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 8 @ 2' (H802746-30)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.0 % 41-142

Surrogate: 1-Chlorooctadecane 90.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 8 @ 3' (H802746-31)

| BTEx 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.5 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NORTH (H802746-32)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.9 % 41-142

Surrogate: 1-Chlorooctadecane 82.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: EAST (H802746-33)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.5 % 41-142

Surrogate: 1-Chlorooctadecane 74.8 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WEST (H802746-34)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 79.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 09/27/2018
Reported: 10/03/2018
Project Name: TURKEY TRACK CTB
Project Number: (8/18/18)
Project Location: OXY

Sampling Date: 09/24/2018
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SOUTH (H802746-35)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.74 | 87.1 | 2.00 | 1.11 | |
| Toluene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.89 | 94.6 | 2.00 | 0.143 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/01/2018 | ND | 1.99 | 99.3 | 2.00 | 0.686 | |
| Total Xylenes* | <0.150 | 0.150 | 10/01/2018 | ND | 5.70 | 95.0 | 6.00 | 0.654 | |
| Total BTEx | <0.300 | 0.300 | 10/01/2018 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.8-142

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 09/30/2018 | ND | 416 | 104 | 400 | 3.77 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/01/2018 | ND | 189 | 94.7 | 200 | 1.41 | |
| DRO >C10-C28* | <10.0 | 10.0 | 10/01/2018 | ND | 176 | 88.0 | 200 | 6.08 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/01/2018 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.5 % 41-142

Surrogate: 1-Chlorooctadecane 76.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|-------|--|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------------------|--------------|----------------|------------|----------|-----|--|--------|------------|------------|--------|------|------|-----|---|---|---|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: BBC International, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Cliff Brunson | | | | P.O. #: | | | | <div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> </div> | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88241 | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575-397-6388 Fax #: 575-397-0397 | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: OXY | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Turkey Track CTB 6-12-10 | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: ✓ | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | 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 | | | | | | | | | | | | | | | |
| H802746 | | | | | | | | | | | | | 9-21 | 1145 | X | X | X | | | | | | | | | | | | |
| 11 | sp4e/ | G | 1 | | | X | | | | | | | | 1159 | X | X | X | | | | | | | | | | | | |
| 12 | 2 | G | 1 | | | X | | | | | | | | 1249 | X | X | X | | | | | | | | | | | | |
| 13 | sp5e5n | G | 1 | | | X | | | | | | | | 111 | X | X | X | | | | | | | | | | | | |
| 14 | 1 | G | 1 | | | X | | | | | | | | 123 | X | X | X | | | | | | | | | | | | |
| 15 | 2 | G | 1 | | | X | | | | | | | | 145 | X | X | X | | | | | | | | | | | | |
| 16 | sp6e5n | G | 1 | | | X | | | | | | | | 150 | X | X | X | | | | | | | | | | | | |
| 17 | 1 | G | 1 | | | X | | | | | | | | 211 | X | X | X | | | | | | | | | | | | |
| 18 | 2 | G | 1 | | | X | | | | | | | | 230 | X | X | X | | | | | | | | | | | | |
| 19 | sp7e5n | G | 1 | | | X | | | | | | | | 9-24 | 950 | X | X | X | | | | | | | | | | | |
| 20 | 1 | G | 1 | | | X | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | |
|------------------------------|---|--------------------|--|----------------|
| Relinquished By: | Date: 9-27-10 | Received By: | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| <i>[Signature]</i> | Time: 14:15 | <i>[Signature]</i> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: | Date: | Received By: | REMARKS: | |
| | Time: | | | |
| Delivered By: (Circle One) | Sample Condition | CHECKED BY: | | |
| Sampler - UPS - Bus - Other: | Cool Intact | (Initials) | | |
| 2.70 #97 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | TO | | |

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

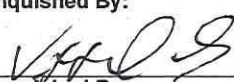

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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------------|--|--------------------------------|--|-------------|--|---|--|----------|--|------|--|------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: BBC International, Inc. | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | |
| Project Manager: Cliff Brunson | | | | P.O. #: | | | | <div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">UPH Extended</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> </div> | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | | | Company: | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs | | State: NM Zip: 88241 | | Attn: | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575-397-6388 | | Fax #: 575-397-0397 | | Address: | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | Project Owner: | | City: | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Turkey Track CTB 8-16-18 | | | | State: Zip: | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: ✓ | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | |
| H802746 | | Sp 7CZ | | G | | 1 | | | | | | 9-29 | | 1046 | | | | | | | | | | | |
| 21 | | 3 | | G | | 1 | | | | | | | | 1122 | | | | | | | | | | | |
| 22 | | 4 | | G | | 1 | | | | | | | | 1111 | | | | | | | | | | | |
| 23 | | 5 | | G | | 1 | | | | | | | | 149 | | | | | | | | | | | |
| 24 | | 6 | | G | | 1 | | | | | | | | 211 | | | | | | | | | | | |
| 25 | | 7 | | G | | 1 | | | | | | | | 225 | | | | | | | | | | | |
| 26 | | 8 | | G | | 1 | | | | | | | | 240 | | | | | | | | | | | |
| 27 | | 9 | | G | | 1 | | | | | | | | 245 | | | | | | | | | | | |
| 28 | | 10 | | G | | 1 | | | | | | | | 250 | | | | | | | | | | | |
| 29 | | 11 | | G | | 1 | | | | | | | | 255 | | | | | | | | | | | |
| 30 | | 12 | | G | | 1 | | | | | | | | | | | | | | | | | | | |

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| | | | | | | | | | |
|--|--|---|--|---|--|--|--|----------------|--|
| Relinquished By:  | | Date: 9-29-18 Time: 4:15 | | Received By:  | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | |
| Relinquished By: | | Date: | | Received By: | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | |
| | | Time: | | | | REMARKS: | | | |
| Delivered By: (Circle One) | | | | | | | | | |
| Sampler - UPS - Bus - Other: 2.7C #97 | | Sample Condition | | CHECKED BY: (Initials) | | | | | |
| | | Cool Intact | | TO. | | | | | |
| | | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| | | <input type="checkbox"/> No <input type="checkbox"/> No | | | | | | | |

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------|--|---|--|--------------|--|-------------|--|------------|--|------|--|-----|--|--------|--|--------|--|------------|--|------------|--|--------|--|------|--|------|--|
| Company Name: BBC International, Inc. | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: Cliff Brunson | | P.O. #: | | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH-EX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CL</div> </div> | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: Hobbs State: NM Zip: 88241 | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: 575-397-6388 Fax #: 575-397-0397 | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: Project Owner: OR | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: Turkey Truck CTR | | State: Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: ✓ | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | |
| H802746 | | | | G | | 1 | | | | | | X | | | | | | | | X | | | | | | 9-24 | | 307 | |
| 31 | | Spec 3 | | G | | 1 | | | | | | X | | | | | | | | X | | | | | | | | | |
| 32 | | North | | G | | 1 | | | | | | X | | | | | | | | X | | | | | | | | | |
| 33 | | East | | G | | 1 | | | | | | X | | | | | | | | X | | | | | | | | | |
| 34 | | West | | G | | 1 | | | | | | X | | | | | | | | X | | | | | | | | | |
| 35 | | South | | G | | 1 | | | | | | X | | | | | | | | X | | | | | | | | | |

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| | | | | | | | | | |
|---------------------------------------|--|---------------|--|--|--|--|--|----------------|--|
| Relinquished By: | | Date: 9-27-16 | | Received By: | | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Phone #: | |
| Time: 14:15 | | Time: | | Time: | | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | | Add'l Fax #: | |
| Relinquished By: | | Date: | | Received By: | | REMARKS: | | | |
| Time: | | Time: | | Time: | | | | | |
| Delivered By: (Circle One) | | | | Sample Condition | | CHECKED BY: | | | |
| Sampler - UPS - Bus - Other: 2.7c #97 | | | | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | (Initials) T.O. | | | |

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