

PHONE (575) 397-6388 • FAX (575) 397- 0397 • 1324 W. MARLAND • P.O. BOX 805 • HOBBS, NM 88241-0805 E-MAIL: cbrunson@bbcinternational.com

DELINEATION WORKPLAN

OXY – GOODNIGHT 26 FEDERAL 1 BATTERY

(Leak Date: 12/5/18)

RP # 2RP-5212

This delineation workplan and remediation proposal addresses the releases associated with RP # 2RP-5212.

The following information includes:

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

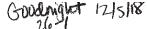
Based on the information included in this package and the NMOCD rules, the following remediation is proposed:

OXY will excavate the spill area as depicted on the following site diagram. The leak areas near SP1 and SP2 (GREEN shade on diagram) will be excavated to a depth of 2 feet. The leak area near SP3 (PURPLE shade on diagram) will be excavated to a depth of 4 feet.

Bottom confirmation samples will be collected at no greater than 50 ft. intervals. Estimated volume of material to be removed is 269 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.



Form C-141 Page 3

State of New Mexico Oil Conservation Division

| Incident ID | | |
|----------------|----------|--|
| District RP | 2RP-5212 | |
| 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? | 50 (ft bgs) | | | | |
|---|-----------------------|--|--|--|--|
| Did this release impact groundwater or surface water? | ☐ Yes ■ No | | | | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | Yes 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)? | ☐ Yes ■ No | | | | |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | ☐ Yes ■ 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? | Yes No | | | | |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | ■ Yes □ No | | | | |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | Yes No | | | | |
| Are the lateral extents of the release within 300 feet of a wetland? | ☐ Yes ■ No | | | | |
| Are the lateral extents of the release overlying a subsurface mine? | ☐ Yes ■ No | | | | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | Yes No | | | | |
| Are the lateral extents of the release within a 100-year floodplain? | ☐ Yes ■ No | | | | |
| Did the release impact areas not on an exploration, development, production, or storage site? | | | | | |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and verticontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. | tical extents of soil | | | | |
| 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 well 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 | s. | | | | |

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.

Form C-141 Page 4

State of New Mexico Oil Conservation Division

| Incident ID | | |
|----------------|----------|--|
| District RP | 2RP-5212 | |
| Facility ID | | |
| Application ID | | |

| public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a t | the best of my knowledge and understand that pursuant to OCD rules and notifications and perform corrective actions for releases which may endanger as OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws |
|--|--|
| Printed Name: Wade Dittrich | _{Title:} Environmental Coordinator |
| Signature: Dale Hatte | Date: 2-8-19 |
| email: wade_dittrich@oxy.com | Telephone: (575) 390-2828 |
| OCD Only Received by: | Date: |

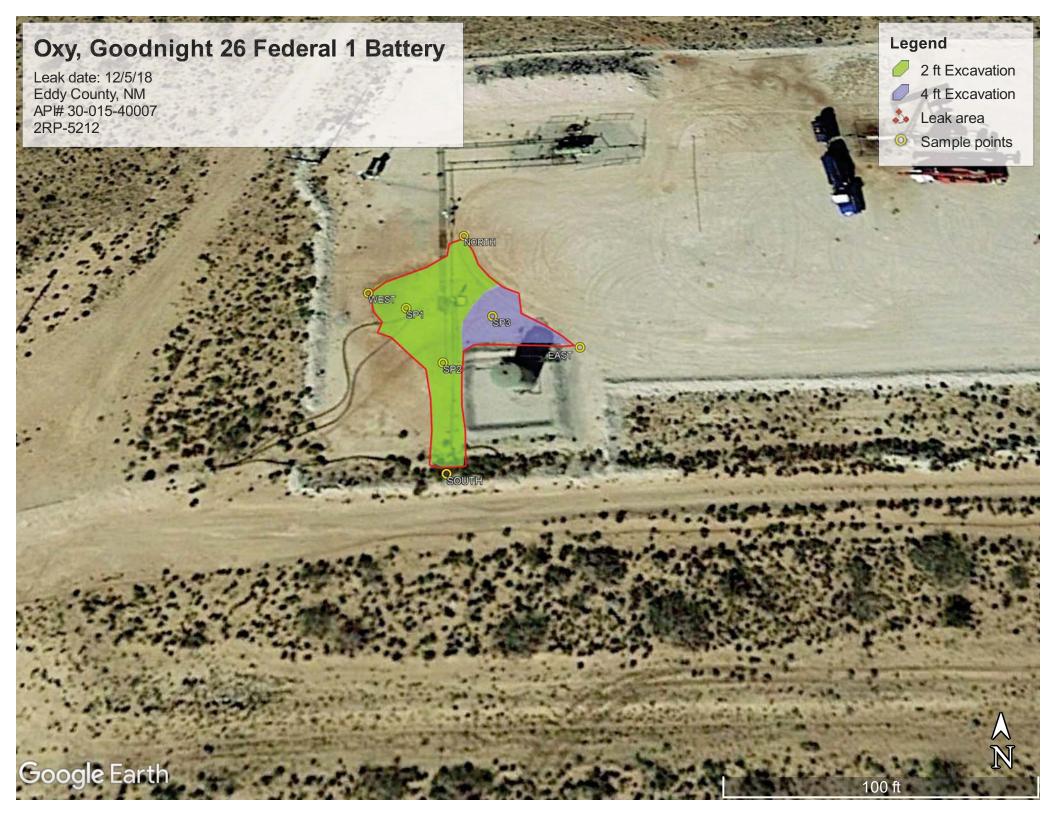
Form C-141 Page 5

State of New Mexico Oil Conservation Division

| Incident ID | | |
|----------------|----------|--|
| District RP | 2RP-5212 | |
| 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 Proposed schedule for remediation (note if remediation plan time | |
| Deferral Requests Only: Each of the following items must be conf | irmed as part of any request for deferral of remediation. |
| Contamination must be in areas immediately under or around pro 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 rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptance liability should their operations have failed to adequately investigate a surface water, human health or the environment. In addition, OCD acresponsibility for compliance with any other federal, state, or local law printed Name. Wade Dittrich | rtain release notifications and perform corrective actions for releases the of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, ceptance of a C-141 report does not relieve the operator of we and/or regulations. |
| Printed Name: Wade Dittrich Signature: Wade Dittrich | 1 8-18° |
| email: wade_dittrich@oxy.com | Title: Environmental Coordinator Date: |
| OCD Only | |
| Received by: | Date: |
| Approved Approved with Attached Conditions of Approved | oproval Denied Deferral Approved |
| Signature: D | ate: |



Oxy, Goodnight 26 Federal 1 Battery

Sample points

SP1, N 32.27332 W-103.94751

SP2, N 32.27325 W-103.94746

SP3, N 32.27331 W-103.94740

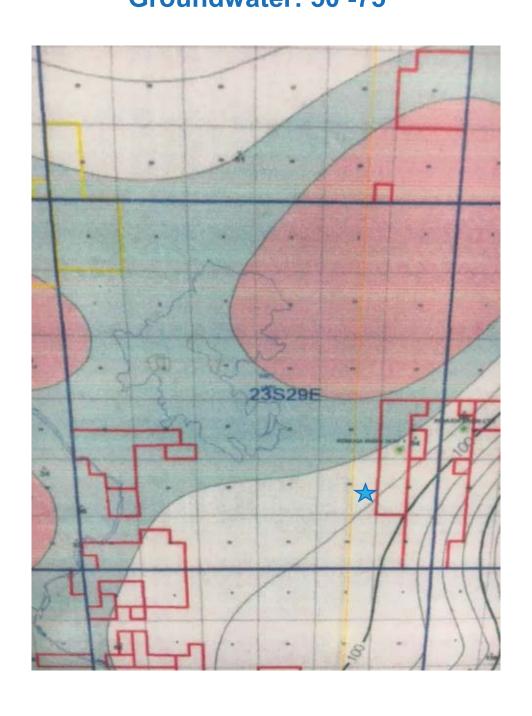
NORTH, N 32.27342 W-103.94744

SOUTH, N 32.27312 W-103.94745

EAST, N 32.27327 W-103.94729

WEST, N 32.27334 W-103.94756

Oxy, Goodnight 26 Federal #1 Battery U/L I, Section 26, T23S, R29E Groundwater: 50'-75'





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

| - 1 | Data Category: | | Geographic Area: | | |
|-----|----------------|---|------------------|---|----|
| | Groundwater | ~ | New Mexico | ~ | GO |
| | | | | | |

Click to hideNews Bulletins

- Due to a lapse in appropriations, the majority of USGS websites may not be up to date and may not reflect current conditions. Websites displaying real-time data, such as Earthquake and Water and information needed for public health and safety will be updated with limited support. Additionally, USGS will not be able to respond to inquiries until appropriations are enacted. For more information, please see www.doi.gov/shutdown.
- Please see news on new formats
 Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 321717103561001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321717103561001 23S.29E.24.41321

Eddy County, New Mexico Latitude 32°17'17", Longitude 103°56'10" NAD27 Land-surface elevation 3,034 feet above NAVD88

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

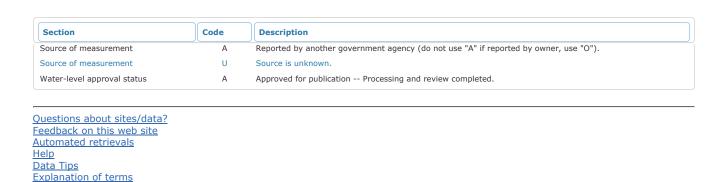
| able of data |
|-------------------|
| ab-separated data |
| iraph of data |
| eselect period |

| 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 measurema |
|------------|------|------------------------------------|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|-----------------------------|
| | | | | | | | | | | |
| 1983-02-02 | | D | 52.17 | | | 2 | | U | | |
| 1987-10-14 | | D | 50.54 | | | 2 | | U | | |
| 1992-11-16 | | D | 54.14 | | | 2 | | S | | |
| 2003-01-29 | | D | 50.26 | | | 2 | | S | USGS | |

| Explanation |
|-------------|
|-------------|

| Section | Code | Description | |
|--------------------------------|------|---|--|
| Water-level date-time accuracy | D | Date is accurate to the Day | |
| Water-level accuracy | 2 | ster level accuracy to nearest hundredth of a foot | |
| Status | | he reported water-level measurement represents a static level | |
| Method of measurement | S | Steel-tape measurement. | |
| Method of measurement | U | Unknown method. | |
| Measuring agency | | Not determined | |
| Measuring agency | USGS | U.S. Geological Survey | |
| | | | |

USA.gov



Accessibility Plug-Ins FOIA Policies and Notices Privacy U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels

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

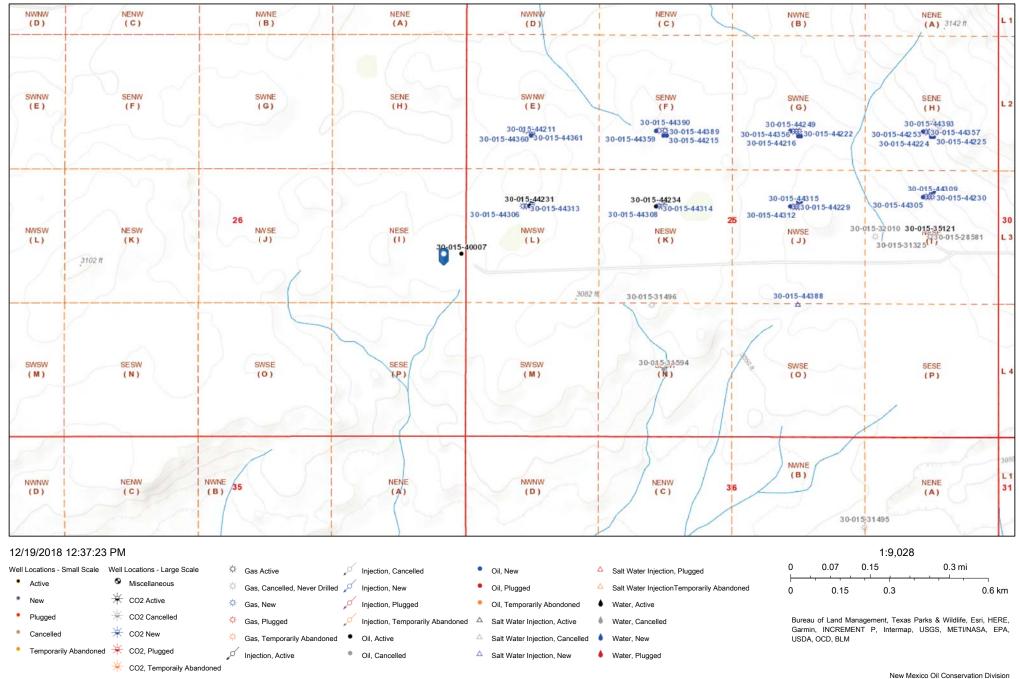
Page Contact Information: <u>New Mexico Water Data Maintainer</u> Page Last Modified: 2019-01-08 14:01:54 EST

Subscribe for system changes

2.08 0.75 nadww01

<u>News</u>

Goodnight 26 Federal 1 Battery, TOPO Map with Water Features



Oxy, Goodnight 26 Federal #1 Battery

Leak date: 12/5/18 Eddy County, NM AP# 30-015-40007

BLM CAVE KARST MAP

Legend



🚵 Leak Area



Medium potential



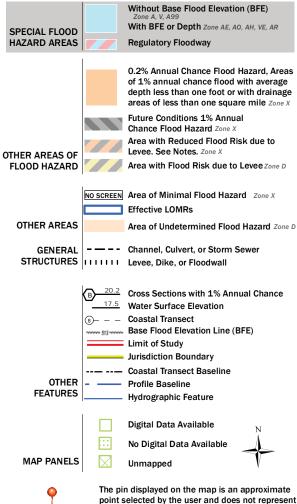


National Flood Hazard Layer FIRMette



Legend

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



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 1/8/2019 at 2:13:26 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



| | | | SP1 @ | | | |
|---------------|------------|-----------|---------|----------|----------|----------|
| | | Sample ID | SURFACE | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' |
| Analyte | Method | Date | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | 0.051 | <0.050 | <0.050 | < 0.050 |
| Toluene | BTEX 8021B | | 0.706 | 0.245 | <0.050 | < 0.050 |
| Ethylbenzene | BTEX 8021B | | 0.203 | 0.93 | <0.050 | 0.081 |
| Total Xylenes | BTEX 8021B | | 1.34 | 1.44 | <0.150 | 0.297 |
| Total BTEX | BTEX 8021B | | 2.3 | 2.62 | < 0.300 | 0.378 |
| Chloride | SM4500CI-B | | 32 | 48 | 160 | 272 |
| GRO | TPH 8015M | | <50.0 | 22.9 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 10900 | 843 | 72.8 | 45.6 |
| EXT DRO | TPH 8015M | | 5480 | 250 | 32.5 | <10.0 |

| | | | SP2 @ | | | |
|---------------|------------|-----------|---------|----------|----------|----------|
| | | Sample ID | SURFACE | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' |
| Analyte | Method | Date | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 0.186 | 0.209 | 0.064 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 0.088 | 0.852 | 0.144 | <0.050 |
| Total Xylenes | BTEX 8021B | | 0.615 | 1.11 | 0.973 | <0.150 |
| Total BTEX | BTEX 8021B | | 0.889 | 2.17 | 1.18 | <0.300 |
| Chloride | SM4500CI-B | | 80 | 32 | 32 | 32 |
| GRO | TPH 8015M | | <10.0 | 60 | 17 | <10.0 |
| DRO | TPH 8015M | | 3560 | 2850 | 423 | 23.6 |
| EXT DRO | TPH 8015M | | 1630 | 530 | 60.1 | <10.0 |

| | | Sample ID | SP3 @ SURFACE | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' | SP3 @ 4' | SP3 @ 5' | SP3 @ 6' | SP3 @ 7' |
|---------------|------------|-----------|------------------|----------|----------|----------|----------|----------|----------|----------|
| Analyte | Method | Date | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | 2.2 | <0.050 | <0.050 | <0.200 | <0.050 | <0.050 | <0.050 | <0.050 |
| Toluene | BTEX 8021B | | 24.1 | 0.107 | <0.050 | 1.6 | <0.050 | <0.050 | <0.050 | <0.050 |
| Ethylbenzene | BTEX 8021B | | 10.8 | 0.305 | <0.050 | 2.55 | <0.050 | <0.050 | <0.050 | <0.050 |
| Total Xylenes | BTEX 8021B | | 77.8 | 1.49 | <0.150 | 19.2 | <0.150 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | 115 | 1.9 | <0.300 | 23.3 | <0.300 | <0.300 | <0.300 | < 0.300 |
| Chloride | SM4500CI-B | | 32 | 32 | 48 | 16 | 32 | 32 | 112 | 80 |
| GRO | TPH 8015M | | 1900 | 65.9 | <10.0 | 346 | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 42000 | 1110 | 117 | 3260 | 139 | 52.3 | 86.8 | 77.7 |
| EXT DRO | TPH 8015M | · | 7740 | 206 | 31 | 513 | 42 | 11.3 | 12.6 | <10.0 |

| | | | NORTH @ | EAST @ | WEST @ | SOUTH @ |
|---------------|------------|-----------|---------|---------|---------|---------|
| | | Sample ID | SURFACE | SURFACE | SURFACE | SURFACE |
| Analyte | Method | Date | 1/3/19 | 1/3/19 | 1/3/19 | 1/3/19 |
| | | | mg/kg | mg/kg | mg/kg | mg/kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | < 0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | < 0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | < 0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | <0.300 | < 0.300 | <0.300 | < 0.300 |
| Chloride | SM4500CI-B | | 192 | 64 | 80 | 32 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 57.2 | <10.0 | 46.3 | <10.0 |
| EXT DRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 |



January 11, 2019

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: GOODNIGHT 26-1

Enclosed are the results of analyses for samples received by the laboratory on 01/07/19 11:30.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celeg D. Keens

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



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name:GOODNIGHT 26-1Sampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

A | D.

Project Location: OXY

Sample ID: SP 1 @ SURFACE (H900023-01)

| EX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.051 | 0.050 | 01/10/2019 | ND | 2.09 | 105 | 2.00 | 1.78 | |
| Toluene* | 0.706 | 0.050 | 01/10/2019 | ND | 2.22 | 111 | 2.00 | 3.34 | |
| Ethylbenzene* | 0.203 | 0.050 | 01/10/2019 | ND | 2.21 | 111 | 2.00 | 0.317 | |
| Total Xylenes* | 1.34 | 0.150 | 01/10/2019 | ND | 6.79 | 113 | 6.00 | 0.690 | |
| Total BTEX | 2.30 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.3 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 01/08/2019 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28* | 10900 | 50.0 | 01/08/2019 | ND | 190 | 95.1 | 200 | 4.24 | |
| EXT DRO >C28-C36 | 5480 | 50.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.9 | % 41-142 | ? | | | | | | |

Surrogate: 1-Chlorooctane /9.9 % 41-142
Surrogate: 1-Chlorooctadecane 522 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: SP 1 @ 1' (H900023-02)

| BTEX 8021B | mg/ | mg/kg | | Analyzed By: ms | | | | S-04 | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 2.09 | 105 | 2.00 | 1.78 | | |
| Toluene* | 0.245 | 0.050 | 01/10/2019 | ND | 2.22 | 111 | 2.00 | 3.34 | | |
| Ethylbenzene* | 0.930 | 0.050 | 01/10/2019 | ND | 2.21 | 111 | 2.00 | 0.317 | | |
| Total Xylenes* | 1.44 | 0.150 | 01/10/2019 | ND | 6.79 | 113 | 6.00 | 0.690 | | |
| Total BTEX | 2.62 | 0.300 | 01/10/2019 | ND | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 174 % | 6 73.3-12 | 9 | | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | 22.9 | 10.0 | 01/08/2019 | ND | 209 | 105 | 200 | 3.08 | | |
| DRO >C10-C28* | 843 | 10.0 | 01/08/2019 | ND | 190 | 95.1 | 200 | 4.24 | | |
| EXT DRO >C28-C36 | 250 | 10.0 | 01/08/2019 | ND | | | | | | |
| Surrogate: 1-Chlorooctane | 75.0 9 | % 41-142 | ? | | | | | | | |

Surrogate: 1-Chlorooctadecane 96.1 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 1 @ 2' (H900023-03)

| TEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 | % 73.3-12 | 19 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 209 | 105 | 200 | 3.08 | |
| DRO >C10-C28* | 72.8 | 10.0 | 01/08/2019 | ND | 190 | 95.1 | 200 | 4.24 | |
| EXT DRO >C28-C36 | 32.5 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.1 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.6 | % 37.6-14 | !7 | | | | | | |

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 1 @ 3' (H900023-04)

| TEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | 0.081 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | 0.297 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | 0.378 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 111 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 45.6 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.5 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.8 | % 37.6-14 | 7 | | | | | | |

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: SP 2 @ SURFACE (H900023-05)

| BTEX 8021B | mg/ | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | 0.186 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | 0.088 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | 0.615 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | 0.889 | 0.300 | 01/10/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID 95.3 % 73.3-129

| Chloride, SM4500Cl-B | mg, | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | 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 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 3560 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 1630 | 10.0 | 01/08/2019 | ND | | | | | |
| | | | | | | | | | |

Surrogate: 1-Chlorooctane 86.3 % 41-142
Surrogate: 1-Chlorooctadecane 187 % 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: SP 2 @ 1' (H900023-06)

GRO C6-C10*

DRO >C10-C28*

EXT DRO > C28 - C36

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | S-04 |
|--------------------------------------|----------------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | 0.209 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | 0.852 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | 1.11 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | 2.17 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 176 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | PH 8015M mg/kg | | Analyzed By: MS | | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |

ND

ND

ND

176

190

87.9

95.2

01/08/2019

01/08/2019

01/08/2019

| Surrogate: 1-Chlorooctane | 96.2 % | 41-142 |
|-------------------------------|--------|----------|
| Surrogate: 1-Chlorooctadecane | 185 % | 37.6-147 |

60.0

2850

530

10.0

10.0

10.0

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Celey D. Keene

5.53

7.22

200

200



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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil Project Name: **GOODNIGHT 26-1** Sampling Condition:

Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 2 @ 2' (H900023-07)

| BTEX 8021B | mg/kg | | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | 0.064 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | 0.144 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | 0.973 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | 1.18 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 17.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 423 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 60.1 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.4 | % 41-142 | ? | | | | | | |
| G 1 CH 1 | 100 (| 27 / 1 | 17 | | | | | | |

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 2 @ 3' (H900023-08)

| BTEX 8021B | mg/kg | | Analyzed By: ms | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.7 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 23.6 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.9 | % 41-142 | ? | | | | | | |

Surrogate: 1-Chlorooctadecane 94.1 % 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ SURFACE (H900023-09)

| BTEX 8021B | mg/kg | | Analyzed By: ms | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 2.20 | 1.00 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | 24.1 | 1.00 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | 10.8 | 1.00 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | 77.8 | 3.00 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | 115 | 6.00 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | S-06 |

Method Blank

ND

ND

ND

BS

176

190

% Recovery

87.9

95.2

True Value QC

200

200

RPD

5.53

7.22

Qualifier

Analyzed

01/08/2019

01/08/2019

01/08/2019

| Surrogate: 1-Chlorooctane | 139 % | 41-142 |
|-------------------------------|--------|----------|
| Surrogate: 1-Chlorooctadecane | 1330 % | 37.6-147 |

Result

1900

42000

7740

Reporting Limit

50.0

50.0

50.0

Analyte

GRO C6-C10*

DRO >C10-C28*

EXT DRO > C28-C36

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019 Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ 1' (H900023-10)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | 0.107 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | 0.305 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | 1.49 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | 1.90 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 125 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 65.9 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 1110 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 206 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.4 | % 41-142 | ? | | | | | | |
| Supposato: 1 Chlorocatadagana | 127 | 27 6 14 | 17 | | | | | | |

Surrogate: 1-Chlorooctadecane 137 % 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ 2' (H900023-11)

| 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 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 117 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 31.0 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.8 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.9 | % 37.6-14 | 7 | | | | | | |

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ 3' (H900023-12)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.200 | 0.200 | 01/10/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | 1.60 | 0.200 | 01/10/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | 2.55 | 0.200 | 01/10/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | 19.2 | 0.600 | 01/10/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | 23.3 | 1.20 | 01/10/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 127 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 346 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 3260 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 513 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 117 : | % 41-142 | ? | | | | | | |
| Summarata: 1 Chlomocatadacana | 102 | 0/ 27.6.14 | 17 | | | | | | |

Surrogate: 1-Chlorooctadecane 182 % 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ 4' (H900023-13)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/11/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.3 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 139 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 42.0 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.3 | % 41-142 | ? | | | | | | |
| Surrogate: 1 Chloroctadocano | 00.1 | 0/, 37614 | 17 | | | | | | |

99.1 % Surrogate: 1-Chlorooctadecane 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ 5' (H900023-14)

| 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 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/11/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.7 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 52.3 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 11.3 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.5 | % 41-142 | ? | | | | | | |
| G , I CH , I | 00.0 | 0/ 27/14 | 17 | | | | | | |

Surrogate: 1-Chlorooctadecane 90.0 % 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ 6' (H900023-15)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/11/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 86.8 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | 12.6 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.3 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chloroctadecane | 06.2 | 0/, 37614 | 17 | | | | | | |

96.2 % Surrogate: 1-Chlorooctadecane 37.6-147

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: SP 3 @ 7' (H900023-16)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: ms | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/11/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 77.7 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.8 | % 41-142 | • | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.4 | % 37.6-14 | 7 | | | | | | |

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Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: NORTH @ SURFACE (H900023-17)

| | | Analyzed By: ms | | | | | | |
|--------|---|-----------------|------------------------------|--------|------------|---------------|--------|-----------|
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| <0.050 | 0.050 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| <0.050 | 0.050 | 01/11/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| <0.300 | 0.300 | 01/11/2019 | ND | | | | | |
| 95.2 % | 6 73.3-12 | 9 | | | | | | |
| mg/l | ιg | Analyzed By: AC | | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| 192 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| mg/l | ιg | Analyze | d By: MS | | | | | |
| Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| 57.2 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| <10.0 | 10.0 | 01/08/2019 | ND | | | | | |
| | <0.050 <0.050 <0.050 <0.150 <0.300 95.2 % mg/k Result 192 mg/k Result <10.0 57.2 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 | <0.050 |

Surrogate: 1-Chlorooctane 84.5 % 41-142
Surrogate: 1-Chlorooctadecane 91.6 % 37.6-147

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: me

Project Location: OXY

RTFY 8021R

Sample ID: EAST @ SURFACE (H900023-18)

| BIEX 8021B | тд/кд | | Analyzed By: ms | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/11/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.0 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-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 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/08/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.3 9 | % 41-142 | | | | | | | |

Surrogate: 1-Chlorooctadecane 84.7 % 37.6-147

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Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: GOODNIGHT 26-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: OXY

Sample ID: WEST@ SURFACE (H900023-19)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | |
| Toluene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | |
| Ethylbenzene* | <0.050 | <0.050 0.050 | | ND 1.91 | | 95.3 | 2.00 | 2.60 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | |
| Total BTEX | <0.300 | 0.300 | 01/11/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.1 % | 73.3-129 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Analyte Result Reporting Limit | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|----------------------|------------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Analyte Result Rep | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | |
| DRO >C10-C28* | 28 * 46.3 10.0 | | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/08/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.9 % 41-142
Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

Cardinal Laboratories *=Accredited Analyte

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BBC International, Inc.

Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To: (575) 397-0397

Received: 01/07/2019 Sampling Date: 01/03/2019

Reported: 01/11/2019 Sampling Type: Soil

Project Name: **GOODNIGHT 26-1** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: OXY

Sample ID: SOUTH @ SURFACE (H900023-20)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | | | | | |
|--------------------------------------|-----------|-----------------|------------|--------------|------|------------|---------------|------|-----------|--|--|--|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | | | |
| Benzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.79 | 89.5 | 2.00 | 2.57 | | | | | |
| Toluene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.86 | 92.8 | 2.00 | 1.46 | 1.46 | | | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2019 | ND | 1.91 | 95.3 | 2.00 | 2.60 | | | | | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2019 | ND | 5.79 | 96.6 | 6.00 | 2.25 | | | | | |
| Total BTEX | <0.300 | 0.300 | 01/11/2019 | ND | | | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | % 73.3-12 | 9 | | | | | | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | | | |
| Chloride | 32.0 | 16.0 | 01/09/2019 | ND | 416 | 104 | 400 | 0.00 | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | | | |
| GRO C6-C10* | <10.0 | 10.0 | 01/08/2019 | ND | 176 | 87.9 | 200 | 5.53 | | | | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/08/2019 | ND | 190 | 95.2 | 200 | 7.22 | | | | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/08/2019 | ND | | | | | | | | | |
| Surrogate: 1-Chlorooctane | 86.6 | % 41-142 | | | | | | | | | | | |

*=Accredited Analyte Cardinal Laboratories

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Celeg D. Keene

89.8 %

37.6-147

Surrogate: 1-Chlorooctadecane



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.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

| BBC international, in | Company Name: BBC International, Inc. | | | | | | | | | 3/// | L TO | | ANALYSIS REQUEST | | | | | | | | | | | |
|---|---------------------------------------|----------|---------------|-------------|-----------|----------|------------------|----------|------------|---------------|------------------|----------------------|------------------|------|-----|----|-------|--------|------|---|--|--|--|--|
| | | | | | | | | O. #: | - | the footb | | | | | | | | | | | | | | |
| Address: P.O. Box 805 | | | | | | | | ompa | | | | | | | | | | | | | | | | |
| | te: NM z | in: | 8 | 8241 | | | _ | Attn: | | | | | | | | | | | | | | | | |
| 575 007 0000 | | | | | | | | Address: | | | | | | | | | | | | , | | | | |
| | | | | | | | | City: | | | | | | 6 | | | | | | | | | | |
| 0 | | | | | | | | ate: | | | Zip: | | 1 | nde | | | | | | | | | | |
| Project Location: | | | | | | | | none | #- | | _ip. | | | 2 | | | | | | | | | | |
| Sampler Name: Jeff Ornelas | | | | | | | | x #: | | | | | | 7 | | | | | | | | | | |
| FOR LAB USE ONLY | I | | | | MAT | RIX | 1.0 | | ESEF | RV. | SAMPLI | ING | 1 | K | | | | | | | | | | |
| | Į. | MP. | | ~ | | | | | | | | | × | w | | | | | | | | | | |
| | | (C)OMP | ERS | ATE! | i | | | | | 1 | | 3 | 3 | 7 | | | | | | | | | | |
| Lab I.D. Sample I.D. | | R R | # CONTAINERS | GROUNDWATER | | 1 | SLUDGE OTHER: | \SE: | 70C | | | | 2 | 40 |) | | | | | | | | | |
| 130 | | (G)RAB | NO I | STF | <u></u> | 9 | ER ER | D/B/ | ICE / COOL | OTHER: | | | Bi | 1 | 0 | | | | | | | | | |
| H900023 | | <u>©</u> | # # | GR | SOIL | O F | SLL | AC. | SE | <u>F</u> | DATE | TIME | <u></u> | _ | | | | | | | | | | |
| SP1 @ SURFACE | | G | 1 | | / | | | | / | - | 1-3-19 | 9:19 AM | _ | _ | | | | | | | | | | |
| 2 SP1 @ 1' | | П | 11 | | | | | | 1 | - | 1-3-19 | 9:30 AM | _ | _ | | | | | | | | | | |
| 3 SP1 @ 2' | | \Box | Ш | | 111 | | | | 1 | \rightarrow | 1-3-19 | 9:40 AM | | | _ | | | | | | | | | |
| SP1 @ 3' | | \prod | Ш | | + | 8 | 2 | | | _ | 1-3-19 | 9:58 AM | _ | _ | _ | | | | | | | | | |
| SP2 @ SURFACE | | 11 | \mathbb{H} | | + | | _ | \vdash | | - | 1-3-19 | 10:15 AM | <u> </u> | _ | | | | | | | | | | |
| SP2 @ 1' | | H | \mathcal{A} | | \bot | | - | | | _ | 1-3-19 | 10:22 AM | _ | | | | | | 1 20 | | | | | |
| SP2 @ 2' | 4 | H | + | | + | | - | - | \perp | - | 1-3-19 | 10:39 AM | | | | | | | | | | | | |
| SP2 @ 3' | | + | + | | + | | + | ╀ | \perp | - | 1-3-19 | 11:11 AM | - | _ | | | | | - | | | | | |
| SP3 @ SURFACE | | | J | | 1 | | - | - | | \dashv | 1-3-19 | 11:15 AM | <u> </u> | | | - | | | | | | | | |
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| analyses. All claims including those for negligence and any other cause wh service. In no event shall Cardinal be liable for incidental or consequental or | amages, including w | ithout | limita | tion, busi | ness inte | rruption | ns, loss | of use, | or loss | of pro | fits incurred by | client, its subsidia | aries, | ble | | | | | | | | | | |
| affiliates or successors arising out of or related to the performance of service Relinquished By: Dat | | _ | _ | ed B | | uch cla | im is ba | sed upo | on any | of the | above stated re | Phone Re | | ☐ Ye | s 🗆 | No | Add'l | Phone | #: | | | | | |
| Tim | 1//// | | 1 | no | 1 | 1 | Mo | 11 | 1 | 1 | 20 | Fax Resul | | □ Ye | s 🗆 | No | Add'l | Fax #: | | | | | | |
| Relinquished By: Dat | 1100 | N | | ed B | V. | | 46 | VL | A | C | | _ | | | | | | | | | | | | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1000 | 0 | Celv | eu D | у. | | | | | | | | | | | | | | | | | | | |
| Tim | e: | | | | | | 1. | | | | | | | | | | | | | | | | | |
| Delivered By: (Circle One) | 5/4 | | | | mple (| | | | CHE | CK | D BY: | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: 5,0 | 47 | 1 | 1 | Ĭ | Yes | | es! | | 9 | t | ZI | | | | | | | | | | | | | |

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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

| Company Name: BBC International, Inc. | | | | | | | | BILL TO | | | | | | | ANALYSIS REQUEST | | | | | | | | | | |
|---------------------------------------|---|------------------|--------------|-------------|------------|---------|----------|-------------------|---------|------------|--------|------------------|----------------------|----------|------------------|-----|----|-------|--------|---|---|---|---|--|--|
| | : Cliff Brunson | | | | | | | P.O. #: | | | | | | | | | | | | 1 | | | | | |
| Address: P.O. | Box 805 | | | | | | | Company: | | | | | | | | | | | | | | | | | |
| City: Hobbs | State: NM | Zip | : 8 | 382 | 41 | | | Attn: | | | | | | / | | | | | | | | | | | |
| Phone #: 575-3 | Phone #: 575-397-6388 Fax #: 575-397-0397 | | | | | | | Ad | dres | ss: | | | | | 3 | | | | | | | | | | |
| Project #: | Project #: Project Owner: Oxy | | | | | | | City: | | | | | | 20 | | | | | | | | | | | |
| Project Name: Goodnight 26-1 | | | | | | Sta | 200 | | 2 | Zip: | | | xtendeg | | | | | | | | | | | | |
| Project Location: | | | | | | | Pho | one | #: | | | | | 13 | | | | | | | | | | | |
| Sampler Name: | Jeff Ornelas | | | | | | | Fax | (#: | | | | | | X | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | MA | TRI | X | PRESERV. SAMPLING | | | | | | | ω | | | | | | | | | | |
| | | MP | 1002 | œ | | | | | | | 1 | | | \times | | | | | | | | | | | |
| | | Θ | ERS | ATE | TER | | | | | | 1 | | | W | X | 201 | | | | | | | | | |
| Lab I.D. | Sample I.D. | l R | M | Š | W | | щ | | ASE | 00 | | | | 1 | Q | | 8 | | | | | | | | |
| 1. Jannan | | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | | SLUDGE | HER | ID/B | ICE / COOL | OTHER: | | | 8 | F | | | | | | | | | | |
| H900023 | 000 00 01 | 9 | # | 9 | WAST | 등 | SF | О | AC | 2 | | DATE | TIME | | 1 | | | | - | | | _ | | | |
| | SP3 @ 2' | ╀ | ┡ | | | - | | | | + | _ | 1-3-19 | 11:30 AM | _ | | | e. | | - | | | | | | |
| | SP3 @ 3' | _ | - | H | | - | | | | _ | - | 1-3-19 | 11:55 AM | ~ | | | | - | - | | | - | | | |
| | SP3 @ 4' | ┢ | ┢ | | | | | | | | _ | 1-3-19 | 12:44 PM | | | | | | - | | | | | | |
| | SP3 @ 5' SP3 @ 6' | - | ┢ | | | + | | | - | + | _ | 1-3-19 | 1:01 PM 1:15 PM | ~ | | / | | | - | - | - | | | | |
| | SP3 @ 7' | ╀ | \vdash | | | 1 | - | - | | _ | - | | 1:25 PM | | | | | | | - | | | - | | |
| | NORTH @ SURFACE | \vdash | - | | - | + | 0 | 7 | | - | - | 1-3-19 | 1:30 PM | | _ | | | - | - | - | | - | | | |
| | EAST @ SURFACE | - | - | H | _ | - | | | | _ | - | 1-3-19 | 1:38 PM | | _ | | | | - | - | | | | | |
| | WEST @ SURFACE | ┢ | 1 | | | | | | | + | - | 1-3-19 | 1:45 PM | _ | | | - | 1 | | 1 | | | | | |
| 20 | SOUTH @ SURFACE | 1 | | | | 1 | | 1 | | - | 1 | 1-3-19 | 1:57 PM | | | / | | | | | | | | | |
| PLEASE NOTE: Liability ar | d Damages. Cardinal's liability and client's exclusive remedy for | any clai | m aris | ing whe | ther bas | ed in c | ontract | or tort | , shall | be limit | ted to | the amount pai | d by the client for | the | | | | | | | | | | | |
| service. In no event shall C | ng those for negligence and any other cause whatsoever shall be ardinal be liable for incidental or consequental damages, includin | g witho | ut limit | ation, b | usiness i | nterrup | tions, I | oss of | use, c | or loss o | of pro | fits incurred by | client, its subsidia | ries, | ole | | | | | | | | | | |
| Relinquished By | ng out of or related to the performance of services hereunder by Date: | | | ved | | rsuch | ciaim | s base | а иро | n any o | i the | above stated re | Phone Res | sult: | □ Ye | | No | | Phone | | | | | | |
| Me | Time: | ١, | 14 | 7/ | li | | A | | 1 | 1 | 1 | Lon | Fax Result | t: S: | □ Ye | s [| No | Add'l | Fax #: | | | | | | |
| Relinquished By | /: Date: 11: X | Re | dei | ved | Ву: | | | | - 10 | | | | | | | | | | | | | | | | |
| | Time: | - (| | | | | | | | | | | | | | | | | | | | | | | |
| Delivered By: | (Circle One) | | | | Sampl | | | on | 13 | CHE | CKE | ED BY: | | | | | | | | | | | | | |
| | - Bus - Other: 5.80 # | 9 | 7 | | Cool Ve | s 📝 | | 5 | | 9 | nitia | als) | | | | | | | | | | | | | |

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