Closure Report

| Site Description | | | | | | | |
|--------------------|------------------------------|--|--|--|--|--|--|
| Site Name: | Loving 1 State #002 | | | | | | |
| Company: | COG Operating LLC | | | | | | |
| Legal Description: | U/L N, Section 1, T24S, R27E | | | | | | |
| County: | Eddy County, NM | | | | | | |
| GPS Coordinates: | N 32.24223° W 104.14611° | | | | | | |

| Release Data | | | | | | | |
|--------------------|------------------------------------|--|--|--|--|--|--|
| Date of Release: | 04/12/2016 | | | | | | |
| Type of Release: | Oil and Produced water | | | | | | |
| Source of Release: | Heater treater | | | | | | |
| Volume of Release: | 10 bbls oil, 5 bbls produced water | | | | | | |
| Volume Recovered: | 2 bbls oil | | | | | | |

| Remediation Specifications | | | | | | | | | |
|----------------------------|--|---|--|--|--|--|--|--|--|
| Remediation Parameters: | Excavate to a depth of 6 in. to 1 ft in the area of SP1. In the area of SP2, excavate to 1 ft, take field screen CL samples to reach to 250 ppm, and place an impermeable (clay or bentonite) liner in the excavation. Excavate to a depth of 6 in. in the area of SP3 & SP4. Excavate to 1 ft in the area of SP5. Backfill with_clean soil. | | | | | | | | |
| Remediation Activities: | 09/06/2016 to 0 | 9/19/2016 | | | | | | | |
| Plan Sent to OCD: | 07/11/2016 | Email from Cliff Brunson to Mike Bratcher | | | | | | | |
| OCD Approval of Plan: | Plan: 07/25/2016 Email from Mike Bratcher to Cliff Brunson | | | | | | | | |
| Plan Sent to SLO: | lan Sent to SLO: 07/11/2016 Email from Cliff Brunson to Amber Groves | | | | | | | | |
| BLM Approval of Plan: | 08/01/2016 | Email from Amber Groves to Cliff Brunson | | | | | | | |

| Supporting Documentation | | | | | | | |
|--------------------------|--|--|--|--|--|--|--|
| Initial C-141 | Signed 04/26/2016 | | | | | | |
| Final C-141 | Signed 09/23/2016 | | | | | | |
| Site Diagram | April 2016 | | | | | | |
| Groundwater Plot | <50' | | | | | | |
| TOPO Maps | June 2016 | | | | | | |
| Lab Summary | 05/23/2016 and 09/12/2016 | | | | | | |
| Lab Analysis | 05/23/2016 and 09/12/2016 | | | | | | |
| Correspondence | Request and approval of remediation plan via email | | | | | | |

Request for Closure

Based on the completion of the remediation plan as agreed upon, BBC International requests closure approval from NMOCD.

Cliff Brunson, President of BBC International Inc. 09/27/2016

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011
Submit 1 Copy to appropriate District Office in

Form C-141

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| | | | Rele | ase Notifi | cation | and Co | orrective A | ction | | _ | | - |
|--|--|------------------|---------------------------|---------------------------------------|-----------------------|---|---|---------------------------------------|-------------------------------|----------------------|------------|----------|
| | | | | | | OPERA | | ⊠ In | itial Report | | Fina | al Repor |
| Name of Co | | | | 1 777 70701 | | Contact: Robert McNeill | | | | | | |
| Facility Nar | | inois Avenue | | d 1X 79701 | | Telephone No. 432-230-0077 Facility Type: Battery | | | | | | |
| | | .40 1 51/111 | | · | | | be. Dattery | | | | | |
| Surface Ow | ner; | | | Mineral (| Owner: | State | | API 1 | No. 30-015- | <u> 2449</u> | | |
| | - | | | | | OF REI | | | | | | |
| Unit Letter N | Section 1 | Township 24S | Range 27E | Feet from the 990' | 1 | South Line | Feet from the 2110 | East/West Line West | = | Cour Edd | | |
| | Latitude 32.2423477 Longitude -104.1459274 | | | | | | | | | | | |
| | | | | NAT | TURE | OF RELI | EASE | | | | | |
| Type of Relea | | | | | CILD | Volume of | | Volume | Recovered: | | | |
| Oil & Produc | | | | | | | ; 5 bbls PW | | Dil; 0 bbls P | | | |
| Source of Rel Heater Treate | | | | | | Date and H 4/12/2016 | our of Occurrence | | d Hour of Di | scovery | <i>'</i> : | |
| Was Immedia | | iven? | | | | If YES, To | | 14/12/20 | 16 11:00 am | | | |
| | | | Yes 🔲 | No 🛛 Not R | equired | , | ., | | | | | |
| By Whom? | | | | | | Date and H | our: | | | | · | |
| Was a Watero | ourse Reac | | 17 17 | 3.7 | | If YES, Vo | lume Impacting th | ne Watercourse, | | | | |
| | | | Yes 🛚 | | | | | | | | | |
| If a Watercou | rse was Imp | oacted, Descri | be Fully.* | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| D 7 C | CD 11 | 1.70 | | | | | | | | | | |
| Describe Cause | | | | | vere dier | atched to reco | over fluid and con | duct initial clear | | | | |
| 1100 Teledibe | vas caasea | o j a manare o | tile nearer | ucater. Crows v | vere disp | attited to reco | over mand and con | duct iiitiai cieai | ւ- ս ք. | | | |
| T> | A CC + 1 | 1.01 | | | | | | | | | | |
| Describe Area | Affected a | ind Cleanup A | ction Take | en,* | | | | | | | | |
| This release in | npacted the | battery and th | he pasture | outside the berm | ed area. | Concho will l | have the spill site | sampled to delir | eate any pos | sible co | ntamin | ıation |
| from the relea | se and we v | vill present a 1 | remediatio | n work plan to th | ne NMO | CD for approv | val prior to any sig | gnificant remedia | ation work. | | | |
| | | | | | | | | | | | | |
| I hereby certif | y that the in | aformation giv | en above | is true and comp | lete to th | e best of mv l | cnowledge and un | derstand that nu | rsuant to NN | OCD r | ules an | ${d}$ |
| regulations all | operators a | are required to | report and | l/or file certain r | elease no | tifications an | d perform correct | ive actions for re | eleases which | may er | ndange | r |
| public health | or the envir | onment. The | acceptance | of a C-141 repo | ort by the | NMOCD ma | rked as "Final Re | port" does not re | lieve the ope | rator of | liabili | ity |
| or the environ | ment. In ac | ldition. NMO | dequatery i CD accepta | investigate and re ance of a C-141 | emediate report do | es not relieve | on that pose a three the operator of re | at to ground wat esponsibility for | er, surface w compliance v | ater, hu with any | man he | ealth |
| federal, state, | or local law | s and/or regul | lations. | | opon ac | ves not reneve | the operator of it | зроизилиту тог | compliance | vitii aiiy | Ouiçi | |
| | | | | | | | OIL CONS | ERVATION | V DIVISIO | <u>)N</u> | | |
| G. | Kent | duf | | | | | | | | | | |
| Signature: Approved by Environmental Specialist: | | | | | | | | | | | | |
| Printed Name: Robert Grubbs Jr. | | | | | | | | | | | | |
| Title: Senior E | nvironmen | tal Coordinate | or | | A | Approval Date | e: | Expiration | Date: | | | |
| E-mail Addres | s: rgrubbs@ | @concho.com | | , | | Conditions of Approval: | | | A 440 ~ 10 + = | A44-1-4 [| | |
| Data: A | 2016 | TV! | 420 602 3 | 7442 | | 1 | | | Attached | | | |
| Date: April 26 Attach Additi | | | 432-683-7 | /443 | | ···· | | | | | | |
| Trumii Audill | onar bhot | 12 11 14000384 | ı y | | | | | | | | | |

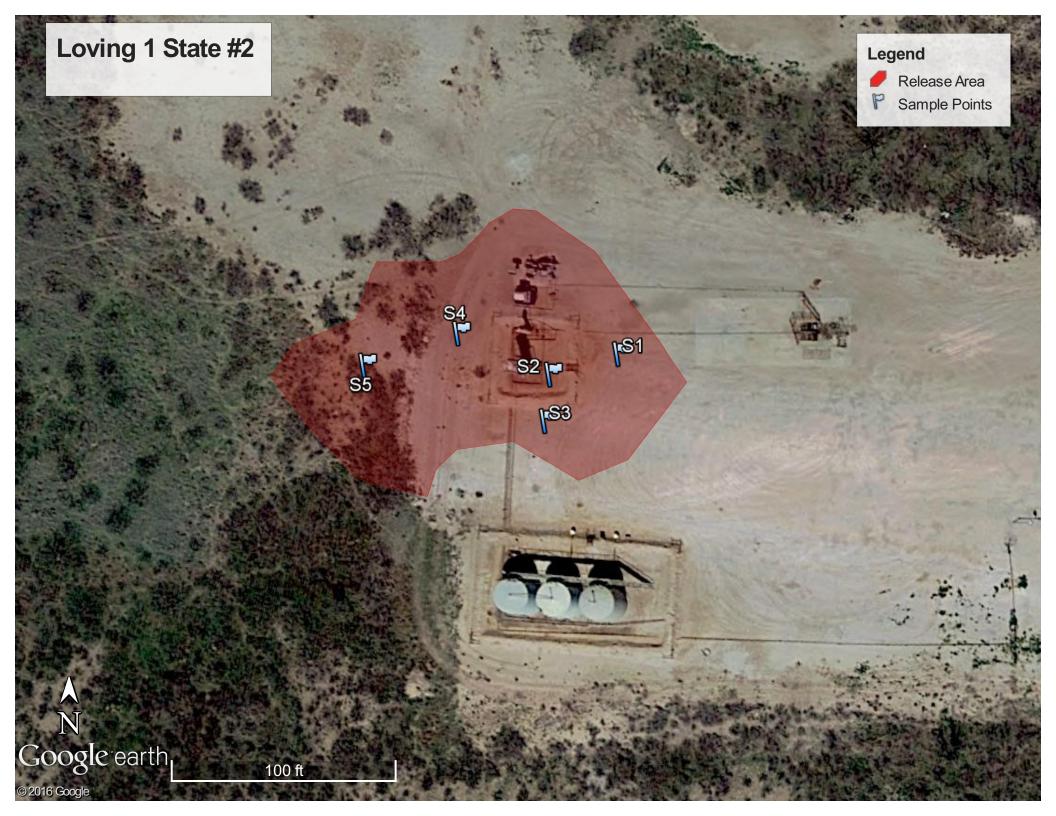
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State of New Mexico Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| | Release Notification and Corrective Action | | | | | | | | | | | |
|---|---|---|--|---|---|--|--|--------------------------------|-------------------------|------------------------------|--|---|
| | | | | | · · · · · · · · · · · · · · · · · · · | OPERA? | | |] Initi | al Report | \boxtimes | Final Repor |
| Name of Co | | | | nd, TX 79701 | | Contact: Robert McNeill Telephone No. 432, 230, 0077 | | | | | | - |
| Facility Nar | | | c, willia | nu, 17 /9/01 | | Telephone No. 432-230-0077 Facility Type: Battery | | | | | | |
| Surface Ow | | | | 1 3 4 (1 / | | | | | 4 Y4 Y 1 1 | 20.016.6 | | *************************************** |
| Surface Ow | Surface Owner: State Mineral Own | | | | | ····· | | | APINO | . 30-015-2 | 449 | |
| Unit Letter | | ×44 3 | T-2 | | | N OF REI | | | | 17/ | | ······································ |
| Unit Letter | Section | Township | Range | Feet from the | North | South Line | Feet from the | East/We | est Line | County | | |
| N | 1 | 24S | 27E | 990 | | South | 2110 | W | est | Eddy Cour | nty, Ni | M |
| | | | i | Latitude <u>N 32.8</u> | 2109° | Longitu | de <u>W 104.0764</u> | 1 19 | | | | |
| | | *************************************** | | <u>NAT</u> | 'URE | OF RELI | | F50378044-4-4884444-0-17-444-1 | | | ,, | |
| Type of Rele | ise: Oil and | i produced w | Her | | | Volume of 5 bbls prod | Release: 10 bbls | | | Recovered: 1 duced water | | oil, |
| Source of Re | ease: Heat | er Treater | | *************************************** | *************** | Date and H | our of Occurrenc | e l | Date and | Hour of Disc | covery | , |
| Was Immedia | te Notice (| liven? | ······································ | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 04/12/2016 If YES, To | @ 11:00 am | (| 04/12/201 | 6@11:00 a | m | |
| | | | Yes [| No 🛭 Not Re | equired | 11 1 1 1 1 1 1 1 1 1 1 1 | ** \$10.151; | | | | | |
| By Whom? | | 7 | | | | Date and H | | TOSENI (VOIMAL O APPAIL (O | | | ************************************** | |
| Was a Waters | ourse Reac | hed? | Yes 🔯 | l No | | If YES, Vo | lume Impacting t | he Watero | course | | | |
| If a Watercon | ☐ Yes ☑ No If a Watercourse was Impacted, Describe Fully.* | | | | | | | | | | | |
| *************************************** | r cam secreta presi | LEGENTANIA EN SENTINE | octuny. | | | | | | | | | |
| | | | | | | | | | | | | |
| | | Wohwario - 19-00 MANGA | | | *************************************** | | | | | | | |
| Describe Cau | se of Proble | am and Remed | lial Action | ı Taken.* | | | | | | | | |
| This release v | as caused b | y a failure of | the heate | treater. Crews w | vere disp | atched to reco | over fluid and cor | ıduct initi | al clean-c | ıp. | | |
| Describe Area | ı Affected a | nd Cleanup A | ction Tak | cn.* | | ************************************** | The state of the s | | | | | |
| | | • | | | | ore 1. | X XY | ** | | | | |
| plan was appr | mpacico uie oved by Mi | e oauery and t ke Bratcher o | ne pasture f NMOC! | outside the berm I via email on 07 | ed area/25/2016 | The site was and approve | i delineated and a d by Amber Grov | remediat es of the ! | ion plan v SLO via a | was created. email on 084 | The ro 01/201 | emediation 6. |
| Remediation | was comple | ted in accorda | ince with | the approved plan | ١. | | | | | VIII 011 00 | J. 2. J. | |
| I hereby certi | ly that the in | oformation gi | ven above | is true and comp | lete to th | e best of my l | knowledge and u | nderstand | that nurs | uant to NMC |)('I) n | ilee and |
| regulations at | operators a | are required to | report an | d/or file certain re | elease no | ifications an | d perform correct | tive action | is for rele | ases which i | may en | ulanger |
| public nealth should their o | or the envir perations b | onment. The ave failed to a | acceptanc decuately | e of a C-141 repo investigate and re | nt by the emediate | : NMOCD ma | irked as "Final Re on that note a thre | port" doe | s not reli- | eve the opera | ator of | 'liability |
| or the environ | ment. In ac | Idition, NMO | CD accep | tance of a C-141 | report do | es not relieve | the operator of r | esponsibi | lity for ec | mpliance was | ict, nui ith any | other |
| federal, state, | or local law | s and/or regu | lations. | | | | OII CONIC | ED3/A | TIAN | DB/ICIA | n t | |
| . | OIL CONSERVATION DIVISION | | | | | | | | | | | |
| Signature: | | | | | | | | | | | | |
| Printed Name: Robert Grubbs Approved by Environmental Specialist: | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | |
| Title: Senior | Environme | ntal Coordina | or | | | Approval Date: Expirat | | | piration I | on Date: | | |
| E-mail Addre | ss: rgrubbs | @concho.con | 1 | | | Conditions of Approval: | | | | Attached | П | |
| Date: Septem | | | | e: (432) 683-744. | 3 | | | | | A SACACHIAN | L | |
| Attach Addit | ional Shee | ts If Necessa | liv | | | | | | | | | |



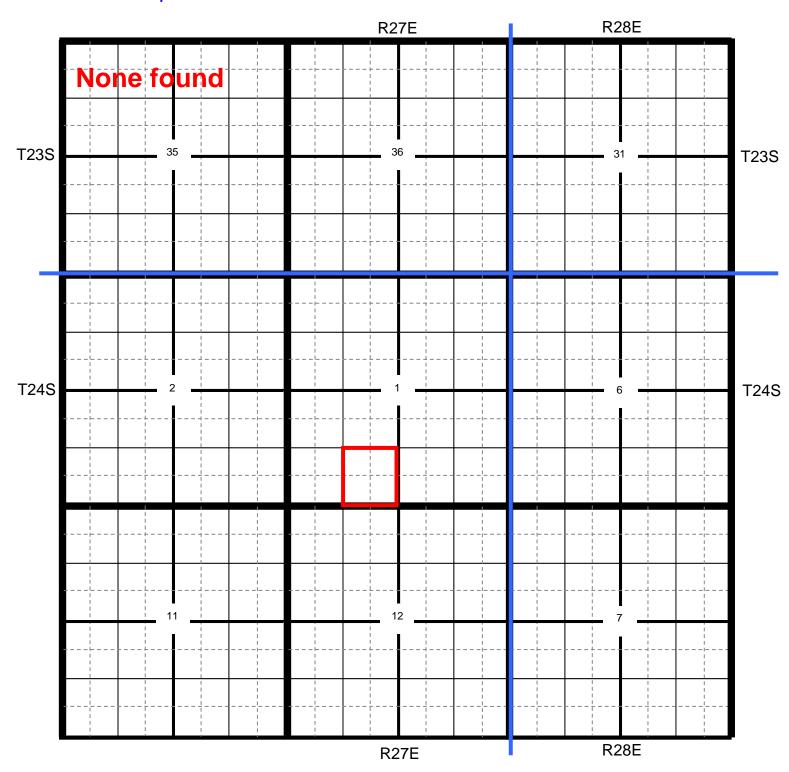


Groundwater Plot

Concho Loving 1 State #2

CountyUnit LetterSectionTownshipRangeEddyN124S27E

Trend Map <50'



Concho Loving 1 State #002

CountyUnit LetterSectionTownshipRangeEddyN124S27E

Trend Map <50'

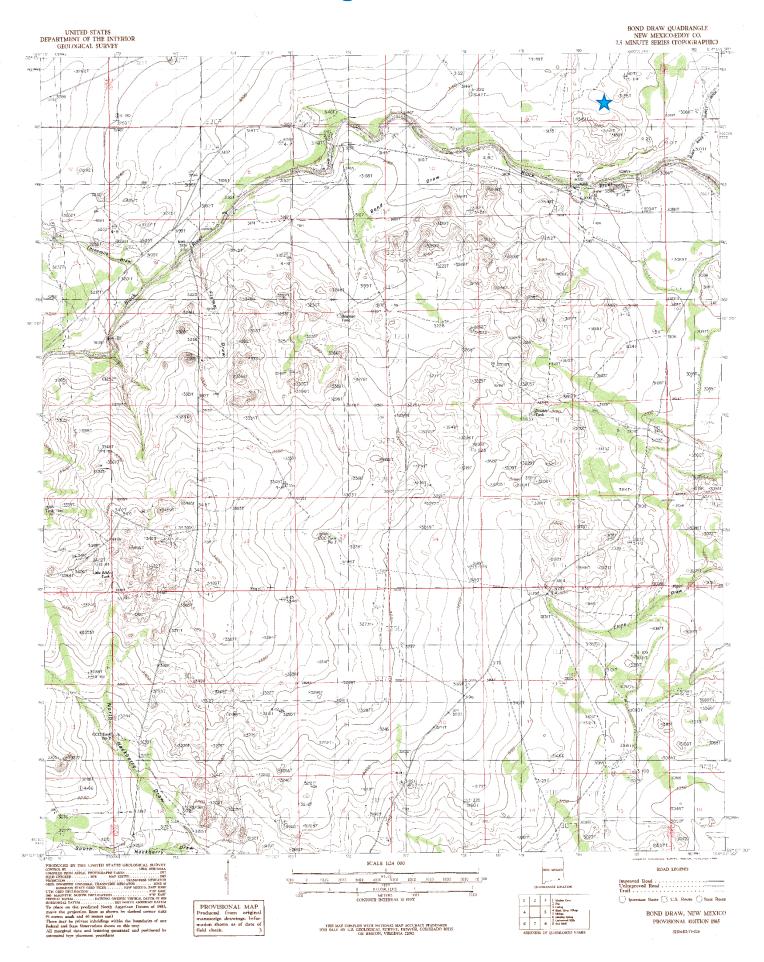
1

| NW/NW | NE/NW | NW/NE | NE/NE |
|---------------|---------------|---------------|---------------|
| None found | | | |
| Unit Letter D | Unit Letter C | Unit Letter B | Unit Letter A |
| SW/NW | SE/NW | SW∤NE | SE∕NE |
| | | | |
| Unit Letter E | Unit Letter F | Unit Letter G | Unit Letter H |
| NW/SW | NE/SW | NW/SE | NE/SE |
| | | | |
| Unit Letter L | Unit Letter K | Unit Letter J | Unit Letter I |
| SW/SW | SE/SW | SW/SE | SE/SE |
| | | | |
| | | | |
| Unit Letter M | Unit Letter N | Unit Letter O | Unit Letter P |

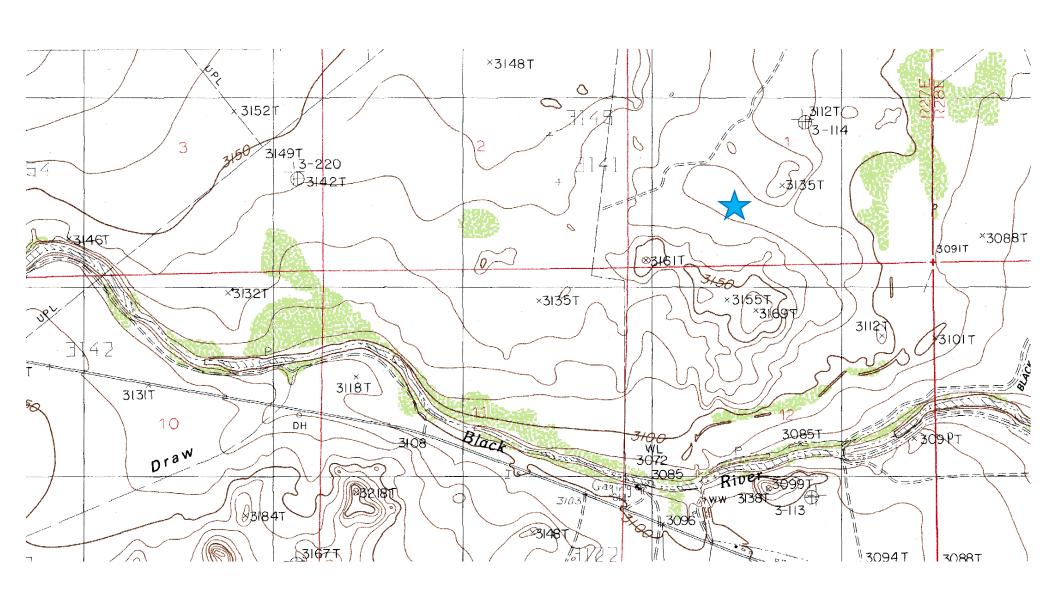
3

Concho

Loving 1 State #2



Concho Loving 1 State #2



Laboratory Analytical Results Summary Loving 1 State #2

| | | Sample | SP1 @ 1' | SP1 @ 2' | SP1 @ 3' | SP1 @ 4' | SP1 @ 6' | SP1 @ 8' | SP1 @ 10' | SP1 @ 12' |
|----------------------|------------|--------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| Analyte | Method | Date | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 |
| | | | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <0.050 | <0.050 | < 0.050 | < 0.050 | n/a | n/a | n/a | n/a |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | < 0.050 | < 0.050 | n/a | n/a | n/a | n/a |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | < 0.050 | < 0.050 | n/a | n/a | n/a | n/a |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 | <0.150 | n/a | n/a | n/a | n/a |
| Total BTEX | BTEX 8021B | | < 0.300 | < 0.300 | < 0.300 | < 0.300 | n/a | n/a | n/a | n/a |
| Chloride | SM4500CI-B | | 576 | <16.0 | 16 | 32 | 32 | 144 | 160 | 368 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 | n/a | n/a | n/a | n/a |
| DRO | TPH 8015M | | 21.9 | <10.0 | <10.0 | <10.0 | n/a | n/a | n/a | n/a |

| | | Sample | SP2 @ Surface | SP2 @ 1' | SP2 @ 2' | SP2 @ 3' | SP2 @ 4' |
|----------------------|------------|--------|------------------|----------|----------|----------|----------|
| Analyte | Method | Date | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Toluene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | < 0.050 | < 0.050 |
| Ethylbenzene | BTEX 8021B | | <0.050 | <0.050 | <0.050 | < 0.050 | < 0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | <0.150 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | < 0.300 | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Chloride | SM4500CI-B | | 304 | 880 | 1280 | 1060 | 912 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 15.2 | <10.0 | <10.0 | <10.0 | <10.0 |

| | | Sample | SP3 @ Surface | SP3 @ 1' | SP3 @ 2' | SP3 @ 3' | SP3 @ 4' | SP3 @ 6' |
|----------------------|------------|--------|------------------|----------|----------|----------|----------|----------|
| Analyte | Method | Date | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 |
| | | | 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 | n/a |
| Toluene | BTEX 8021B | | < 0.050 | <0.050 | < 0.050 | < 0.050 | < 0.050 | n/a |
| Ethylbenzene | BTEX 8021B | | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 | n/a |
| Total Xylenes | BTEX 8021B | | 0.202 | <0.150 | <0.150 | <0.150 | <0.150 | n/a |
| Total BTEX | BTEX 8021B | | < 0.300 | < 0.300 | < 0.300 | < 0.300 | < 0.300 | n/a |
| Chloride | SM4500CI-B | | 416 | <16.0 | <16.0 | <16.0 | 32 | 48 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | n/a |
| DRO | TPH 8015M | | 183 | <10.0 | <10.0 | <10.0 | <10.0 | n/a |

| | | Sample | SP4 @ Surface | SP4 @ 1' | SP4 @ 2' | SP4 @ 3' | SP4 @ 4' |
|---------------|------------|--------|------------------|----------|----------|----------|----------|
| Analyte | Method | Date | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 | 5/23/16 |
| | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | < 0.050 | < 0.050 | < 0.050 | < 0.050 | < 0.050 |
| Toluene | BTEX 8021B | | < 0.050 | <0.050 | <0.050 | < 0.050 | < 0.050 |
| Ethylbenzene | BTEX 8021B | | < 0.050 | <0.050 | <0.050 | < 0.050 | < 0.050 |
| Total Xylenes | BTEX 8021B | | <0.150 | < 0.150 | <0.150 | <0.150 | <0.150 |
| Total BTEX | BTEX 8021B | | < 0.300 | < 0.300 | < 0.300 | < 0.300 | < 0.300 |
| Chloride | SM4500CI-B | | 112 | 480 | 112 | 240 | 192 |
| GRO | TPH 8015M | | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| DRO | TPH 8015M | | 15.5 | <10.0 | <10.0 | <10.0 | <10.0 |

| | | Sample | SP5 @ Surface | SP5 @ 1' |
|----------------------|------------|--------|------------------|----------|
| Analyte | Method | Date | 5/23/16 | 5/23/16 |
| | | | mg/Kg | mg/Kg |
| Benzene | BTEX 8021B | | <2.00 | < 0.050 |
| Toluene | BTEX 8021B | | 25.8 | < 0.050 |
| Ethylbenzene | BTEX 8021B | | 16 | 0.062 |
| Total Xylenes | BTEX 8021B | | 33 | 0.638 |
| Total BTEX | BTEX 8021B | | 175 | 0.701 |
| Chloride | SM4500CI-B | | 1150 | 80 |
| GRO | TPH 8015M | | 3670 | 17.5 |
| DRO | TPH 8015M | | 30000 | 169 |



June 02, 2016

LUPE CARRASCO

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: LOVING 1 STATE #2

Enclosed are the results of analyses for samples received by the laboratory on 05/25/16 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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)

Celey D. Keine

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



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

 Received:
 05/25/2016
 Sampling Date:
 05/23/2016

 Reported:
 06/02/2016
 Sampling Type:
 Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 1' (H601149-01)

| BTEX 8021B | mg/kg | | Analyzed By: CK | | | | | | |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 06/01/2016 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/27/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | 21.9 | 10.0 | 05/27/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 84.8 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 2' (H601149-02)

| BTEX 8021B | mg/kg | | Analyzed By: CK | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/01/2016 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/27/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/27/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 78.3 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 3' (H601149-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/01/2016 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/27/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/27/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 92.7 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 122 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 4' (H601149-04)

| BTEX 8021B | mg/l | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9 % | 6 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/01/2016 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/l | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/27/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/27/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 92.0 % | 6 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 120 % | 6 28-171 | | | | | | | |

Sample ID: S1 - 6' (H601149-05)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/01/2016 | ND | 400 | 100 | 400 | 3.92 | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil
Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S1 - 8' (H601149-06)

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 144 06/01/2016 ND 400 100 400 3.92 16.0

Sample ID: S1 - 10' (H601149-07)

Chloride, SM4500Cl-B Analyzed By: AP mg/kg Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank % Recovery Qualifier Chloride 160 16.0 06/01/2016 400 400 3.92 ND 100

Sample ID: S1 - 12' (H601149-08)

Chloride, SM4500Cl-B mg/kg Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 368 06/01/2016 ND 400 400 3.92 16.0 100

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Celeg D. Freene



COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - SURFACE (H601149-09)

| BTEX 8021B | mg/ | mg/kg | | Analyzed By: CK | | | | | |
|--------------------------------------|---------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 06/01/2016 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/27/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | 15.2 | 10.0 | 05/27/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 85.5 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 116 % | 6 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact Project Number: Sample Received By: Celey D. Keene NONE GIVEN

Project Location: **NOT GIVEN**

Sample ID: S2 - 1' (H601149-10)

| BTEX 8021B | mg, | /kg | Analyzed By: CK | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 880 | 16.0 | 06/01/2016 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 86.4 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 | % 28-171 | , | | | | | | |

Surrogate: 1-Chlorooctadecane 106 % 28-171

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - 2' (H601149-11)

| BTEX 8021B | mg/ | kg | Analyze | Analyzed By: CK | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 % | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1280 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 73.3 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 9 | % 28-171 | | | | | | | |

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Celey D. Keine

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - 3' (H601149-12)

| BTEX 8021B | mg/ | kg | Analyze | Analyzed By: CK | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.5 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1060 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 76.3 9 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.4 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S2 - 4' (H601149-13)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyzed By: AP | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 912 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 80.3 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Celey D. Keene

Project Location: **NOT GIVEN**

Sample ID: S3 - SURFACE (H601149-14)

| BTEX 8021B | mg/ | 'kg | Analyze | Analyzed By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | 0.202 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 116 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | 183 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 80.5 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 28-171 | | | | | | | |

Surrogate: 1-Chlorooctadecane 108 % 28-171

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 1' (H601149-15)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 % | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 73.7 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 2' (H601149-16)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 79.6 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 3' (H601149-17)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | < 0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 % | 6 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 82.4 9 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 % | 6 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S3 - 4' (H601149-18)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | < 0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | < 0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | < 0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 % | 6 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 90.7 9 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 % | 6 28-171 | | | | | | | |

Sample ID: S3 - 6' (H601149-19)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - SURFACE (H601149-20)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | 15.5 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 84.7 | % 35-147 | , | | | | | | |
| | 110.6 | 20.171 | | | | | | | |

Surrogate: 1-Chlorooctadecane 110 % 28-171

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 1' (H601149-21)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.81 | 90.5 | 2.00 | 2.15 | |
| Toluene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.87 | 93.7 | 2.00 | 1.33 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/31/2016 | ND | 1.73 | 86.5 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 05/31/2016 | ND | 5.42 | 90.4 | 6.00 | 0.639 | |
| Total BTEX | <0.300 | 0.300 | 05/31/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 % | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 84.4 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 2' (H601149-22)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.81 | 90.5 | 2.00 | 3.57 | |
| Toluene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.88 | 94.2 | 2.00 | 2.83 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.74 | 87.0 | 2.00 | 3.93 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2016 | ND | 5.41 | 90.2 | 6.00 | 3.99 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 77.7 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 9 | % 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 3' (H601149-23)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.81 | 90.5 | 2.00 | 3.57 | |
| Toluene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.88 | 94.2 | 2.00 | 2.83 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.74 | 87.0 | 2.00 | 3.93 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2016 | ND | 5.41 | 90.2 | 6.00 | 3.99 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 82.1 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 111 9 | 6 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Celey D. Keene

Project Location: NOT GIVEN

Sample ID: S4 - 4' (H601149-24)

| BTEX 8021B | mg/ | kg | Analyze | d By: CK | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.81 | 90.5 | 2.00 | 3.57 | |
| Toluene* | < 0.050 | 0.050 | 06/01/2016 | ND | 1.88 | 94.2 | 2.00 | 2.83 | |
| Ethylbenzene* | < 0.050 | 0.050 | 06/01/2016 | ND | 1.74 | 87.0 | 2.00 | 3.93 | |
| Total Xylenes* | <0.150 | 0.150 | 06/01/2016 | ND | 5.41 | 90.2 | 6.00 | 3.99 | |
| Total BTEX | <0.300 | 0.300 | 06/01/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 % | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/28/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/28/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 76.4 | % 35-147 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | 6 28-171 | | | | | | | |

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Celey D. Keene

Project Location: **NOT GIVEN**

Sample ID: S5 - SURFACE (H601149-25)

| BTEX 8021B | mg | /kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <2.00 | 2.00 | 06/01/2016 | ND | 1.81 | 90.5 | 2.00 | 3.57 | |
| Toluene* | 25.8 | 2.00 | 06/01/2016 | ND | 1.88 | 94.2 | 2.00 | 2.83 | |
| Ethylbenzene* | 16.0 | 2.00 | 06/01/2016 | ND | 1.74 | 87.0 | 2.00 | 3.93 | |
| Total Xylenes* | 133 | 6.00 | 06/01/2016 | ND | 5.41 | 90.2 | 6.00 | 3.99 | |
| Total BTEX | 175 | 12.0 | 06/01/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 113 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1150 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 3670 | 100 | 05/31/2016 | ND | 184 | 92.0 | 200 | 4.56 | |
| DRO >C10-C28 | 30000 | 100 | 05/31/2016 | ND | 196 | 97.9 | 200 | 4.36 | |
| Surrogate: 1-Chlorooctane | 240 | % 35-147 | 7 | | | | | | |
| G 1 . Cl. 1 | 7.47 | 0/ 20 17 | , | | | | | | |

747 % 28-171 Surrogate: 1-Chlorooctadecane

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COG OPERATING LUPE CARRASCO P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

Received: 05/25/2016 Sampling Date: 05/23/2016

Reported: 06/02/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Celey D. Keene

Project Location: **NOT GIVEN**

Sample ID: S5 - 1' (H601149-26)

| BTEX 8021B | mg, | 'kg | Analyze | d By: CK | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.81 | 90.5 | 2.00 | 3.57 | |
| Toluene* | <0.050 | 0.050 | 06/01/2016 | ND | 1.88 | 94.2 | 2.00 | 2.83 | |
| Ethylbenzene* | 0.062 | 0.050 | 06/01/2016 | ND | 1.74 | 87.0 | 2.00 | 3.93 | |
| Total Xylenes* | 0.638 | 0.150 | 06/01/2016 | ND | 5.41 | 90.2 | 6.00 | 3.99 | |
| Total BTEX | 0.701 | 0.300 | 06/01/2016 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 73.6-14 | 0 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AP | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/01/2016 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: CK | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 17.5 | 10.0 | 05/31/2016 | ND | 191 | 95.7 | 200 | 1.97 | |
| DRO >C10-C28 | 169 | 10.0 | 05/31/2016 | ND | 210 | 105 | 200 | 2.11 | |
| Surrogate: 1-Chlorooctane | 66.5 | % 35-147 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.5 | % 28-171 | , | | | | | | |

28-171 Surrogate: 1-Chlorooctadecane 82.5 %

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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.

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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101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name: | COG Operating LLC | | | - | - | - | - | - | | | | | 2 | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | ı | 1 | J |
|--|---|--|---|---------------------------------------|-----------------------|--------|----------------|-----------------------------------|----------------|----------------------------------|----------------------|------------------------|------------------------|---|--|--------------|-----------------------------|----------|-------------|--|---------------|--------|---|---------|----|-----------|-----|---|----|-----|---|---|---|---------|
| Project Manager: | Lupe Carrasco | | | | | | | | 9 | P.O. #: | # | - 50 | 8 | | | - | 1 | 1 | 7 | ANALYSIS | 75 | | 조 | REQUEST | 10 | <u>ان</u> | 1- | 4 | 1 | | | | 1 | \perp |
| Address: 2208 | 2208 West Main | | | | | | | | 2 | Company: | pa | 7 | . | COG Operating LLC | ating I I C | | | | | | | | | | | | | | | | | | | |
| City: Artesia | State: NM | | Zip | | 88 | 88210 | 0 | | Ą | Attn: | | | | Robert McNeill | Neill 5 | | | | | | | | | | | | | | | | | | | |
| Phone #: | (575) 748-6940 Fax #: | | | | | | | | A | Address: | es | S: | | 600 W Illinois | linois | | | | | | | | | | | | | | | | | | | |
| Project #: | Project Owner: | ñ | | | | | | | City: | ? | | | | Midland | | | | - | | | | | | _ | | | | | | | | | | |
| Project Name: Lo | Loving 1 State #2 | | | | | | | | St | State: TX | | × | | Zip: 79701 | 7 | | | | | | | | | | | | | | | | | | | - |
| Project Location: | | | | | | | | | 무 | on I | e | ** | 143 | Phone #: (432) 221-0388 | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: | Lupe Carrasco | | | | | | | | Fax #: | × | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | ·. | $\overline{}$ | - 1 | 3 | MATRIX | ≅ | | | 무 | PRESERV | Ϋ́ | ? | SAMPLING | NG | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | | # CONTAINERS | GROUNDWATER WASTEWATER | SOIL | | OIL | SLUDGE | OTHER: | ACID/BASE: | ICE / COOL | | OTHER: | DATE | TIME | BTEX | TPH | Chloride | | | | | | | | | | | | | | | | |
| S | S1-1' | × | - | | | - | | | | | | | | 5/23/16 | | × | × | × | | | T | \neg | | \top | | + | | + | | + | | | T | \perp |
| \sim | S1-2' | × | _ | | - | - | - | | | | | - | | 5/23/16 | | × | × | × | | | | | | | | | | - | | | | | | |
| S | \$1-3 | × | | | | | | | | | | | | 5/23/16 | | × | × | × | | | | | | | | | | - | | _ | | | | |
| | S1-4 | × | _ | - | - | - | | | | | | | | 5/23/16 | | × | × | × | | | | | | | | | | _ | | - | | | | |
| | \$1-6" | × | | - | - | - | | | | | | | | 5/23/16 | | | | × | | | | | | | | | | | | | | | | |
| 6 81 | \$1-8 | × | - | | - | - | | | | | | - | | 5/23/16 | | | | × | | | | | | | | | | - | | | | | | |
| | S1-10' | × | - | | - | - | - | | | | | | | 5/23/16 | | | | × | | | | | | | | | | | | - | | | | |
| 8 8 | \$1-12' | × | | | | | | | | | | | | 5/23/16 | | | | × | | | | | | | | | | | | | | | | |
| analyses. All claims including the service. In no event shall Cardina affiliates or successors arising out | analyses. All claims including those for negligence and any other cause whatshoever shall be deemed waived unless made in contract or fort, shall be limited to the amount paid by the client for the service. In no event shall cardinal be liable for incidental or consequental damages, including without limitation, business intergétions, loss of use, or loss of profits incurred by client, its substitaties, made a strain of the services of services or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | y claim an eemed wa without lim rdinal, reg | sing wr ived ur itation, ardless | nether nless n busin s of wh | hade i | n writ | ing a tions | nd re not re loss n is b | ceive of us | hall I d by se, or upor | Card Card loss | nited final of p | with with orofit he al | n contract or tort, shall be limited to the amount paid by writing and received by Cardinal within 30 days after co multions, loss of use, or loss of profits incurred by clien or claim is based upon any of the above stated reason | by the client for the approximation of the approximation of the approximation of the province on the control of | pplicable | | | | | | - 1 | | | | 1 | - 1 | ŀ | | - 1 | | L | | L |
| Relinquished By: | Time: 5/25/4 Date: | Received By: | ive C | | | 6 | 8 | 7 | | | 3 | | | THE RESERVE TO SHARE THE PARTY OF THE PARTY | Phone Result: | gc: Sonch | ☐ Yes☐ Yes☐ Yes☐ Yes☐ O.com | 0(0)00 | No ncho. | Add'l Phone #: Add'l Fax #: .COM | hone ax #: | ** | | | | | | | | | | | | |
| Delivered By: (Circle One) | Sircle One) 3.0°C | C | - | Sa | Sample Condition | 00 | bnd | itio | 5 | | 오 | EC | 益 | CHECKED BY: | | | | | | | | | | | | | | | | | | | | |
| Sampler - UPS - Bus - Other: FORM-006 R 2.0 | Corrected | 3 | | _ E 8 | Cool Intact Ves V Yes | Yes V | act | Yes No | | | |) = | nitial | (Initials) #5 | 1 | | | | | | | | | | | | | | 14 | | | | | |
| | | | ł | ł | ŀ | F | ľ | k | ŀ | ı | ł | Ł | E | | | | | | | | | | | | | | | | | | | | | - |



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| - Coo operaning the | | | BILL ; | 5 | | | ANALYSIS REQUEST | CT |
|--|---|---|---|--|--------------|----------------------|--|----|
| Project Manager: Lupe Carrasco | | | P.O. #: | | | | | |
| Address: 2208 West Main | | | Company: COG | COG Operating LLC | | | | |
| City: Artesia | State: NM Zip | 88210 | | Robert McNeill | | | | |
| Phone #: (575) 748-6940 | Fax #: | | Address: 600 | 600 W Illinois | | | | |
| Project #: | Project Owner: | | | Midland | | | | |
| Project Name: Loving 1 State #2 | | | : TX Zip | 79701 | | | | |
| Project Location: | | | (43) | 0388 | | | | |
| Sampler Name: Lupe Carrasco | | | | 0000 | _ | | _ | |
| Sampler Name: Lupe Carrasco | | | Fax #: | | _ | _ | _ | |
| FOR LAB USE ONLY | ·. | MATRIX | PRESERV. SAI | SAMPLING | | | | |
| Lab I.D. Sample I.D. | MAB OR (C)OMP | DGE | ER: D/BASE: COOL ER: | , | | | ide | |
| TAIL THE THE TAIL THE | # (| SC OII SL | AC | TE TIME | ы | TP | Chl | |
| SZ-SURFACE | × | | 5/23/16 | 16 | × | × | × | |
| - 10 S2-1 | × | | 5/23/16 | 16 | × | × | × | |
| - (1 82-2 | × | | 5/23/16 | 16 | × | × | × | |
| - (a) S2-3' | × | | 5/23/16 | 16 | × | × | × | |
| -13 S2-4' | × | | 5/23/16 | 16 | × : | × : | × ; | |
| 本 | | | | | | | | |
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| inal be liable for incidental or conseque out of or related to the performance of | ntal damages, including without limitation, busines ervices hereunder by Cardinal, regardless of whe | , business interruptions, loss o ss of whether such claim is bas | interruptions, loss of use, or loss of profits incurred by cliver such claim is based upon any of the above stated rea- | by client, its subsidiaries, I reasons or otherwise. | cable | | | |
| elinquished By: | Time 1.0 5 Received By | a By Con | | Phone Result: [Fax Result: [Carrena Remarks: gcar atrujillo@concho.] | gcar ncho | ☐ Yes☐ Yes☐ Yes☐.com | Cho.com Cyes □ No Add'l Phone #: □ Yes □ No Add'l Fax #: gcarrasco@concho.com | |
| | Time: | | | | | | | |
| Delivered By: (Circle One) | 3.08 | Sample Condition | | | | | | |
| sampler - UPS - Bus - Other: | | Yes Yes | (Initials) | 2 | | | | |
| | MICHO DIT | ☐ No ☐ No | CM H | / | | | | |



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: | COG Operating LLC | | 8/1/18 | •) | | | | | |
|--|---|---|--|--|-------|-------------------------|--|----------------------------------|----|
| Project Manager: | Lupe Carrasco | | P.O. #: | | 4 | \dashv | 1 | חומים אבעטבטו | |
| Address: 2208 V | 2208 West Main | | ny: | COG Operating LLC | | | | | |
| City: Artesia | State: NM | Zip 88210 | | McNeill | | | | | |
| Phone #: | (575) 748-6940 Fax #: | | Address: 600 V | 600 W Illinois | | | | | |
| Project #: | Project Owner: | er: | | and | | | | | |
| Project Name: Lo | Loving 1 State #2 | | : TX Zip | 701 | | | - | | |
| Project Location: | | | (432 | 888 | | | | | |
| Sampler Name: | Lupe Carrasco | | Fax #: | | | | | | |
| FOR LAB USE ONLY | | MATRIX | SERV. | SAMPLING | | | | | |
| | Sample I.D. | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: | BTEX | | TPH | Chloride | | |
| | S3-SURFACE | × | 5/23/16 | | × | × | × | | 1 |
| 15 83-1 | 4 | × | 5/23/16 | 65 | × | × | × | | |
| 9 | -2' | × | 5/23/16 | 65 | × | × | × | | |
| 1 1 83-3 | داي | × | 5/23/16 | 63 | × | × | × | | |
| 0 | 4 | × | 5/23/16 | 0, | | × | × | | |
| -17 83-6 | 6 | × | 5/23/16 | | | | × ; | | |
| analyses. All claims including thos service. In no event shall Cardinal affiliates or successors arising out of the control of | The CHAPTER WHE. Leading and clarify searchisty for early directly for any claim a rising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applications of the spicial service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether gloch claim is based upon any of the above stated reasons or otherwise. | ny claim arising whether based in contract or leemed waived unless made in writing and ra without limitation, business interruptions, loss ardinal, regardless of whether gluch claim is t | tort, shall be limited to the amount pa sceived by Cardinal within 30 days aft s of use, or loss of profits incurred by based upon any of the above stated in | id by the client for the er completion of the appli client, its subsidiaries, easons or otherwise. | cable | | | | |
| Relinquished By: | Time: | Received By: | 0 | Phone Result: Yes Fax Result: Yes REMARKS: GCATTASCO atrujillo@concho.com | gcarr | ☐ Yes ☐ Yes ☐ Yes ☐ Com | □ Yes □ No Add'i □ Yes □ No Add'i gcarrasco@concho.com | Add'l Phone #: Add'l Fax #: .COM | у. |
| | Time: | 0 | | | | | | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other |) | Sample Condition Cool Intact Cyes Wyes | On CHECKED BY: | | | | | | |
| FORM-006 R 2.0 | and some had so | No ly res | St HS | 2 | | | | | |



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | 017719 | | | | ANALYSIS REQUEST |
|--|---|--|--|----------|--|-----------------------------------|
| Project Manager: Lupe Carrasco | | P.O. #: | | \dashv | | |
| Address: 2208 West Main | | Company: COG Operating LLC | rating LLC | | | |
| City: Artesia State: NM | Zip 88210 | | cNeill | | | |
| Phone #: (575) 748-6940 Fax #: | | Address: 600 W Illinois | Illinois | _ | | |
| Project #: Project Owner: | | | a. | | | |
| Project Name: Loving 1 State #2 | | : TX Zip | 9 | | | |
| Project Location: | | (43) | ω . | | | |
| Sampler Name: Lupe Carrasco | | Fax #: | | _ | | |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | ING | | | |
| | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER: ACID/BASE: ICE / COOL OTHER: | BTEX | TPH | Chloride | |
| S4-SURFACE | | ن ن | | \dashv | \dashv | |
| - 21 \$4-1' | × | 5/23/16 | × | - | + | |
| _ & S4-2' | × | 5/23/16 | × | | - | |
| 23 84-3 | × | 5/23/16 | × | | | |
| 24 S4-4' | × | 5/23/16 | × | | | |
| FASS NOTE: Listage Design of the state of th | | | | | | |
| nalyses. All claims including those for negligence and any other cause whatsoever shall be dened waved unless made in contract or tort, shall be limited to the amount paid by the client for the envice. In no event shall Cardinal he liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, filialises or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | y claim arising whether based in contract or to eemed waived unless made in writing and rec without limitation, business interruptions, loss ardinal, regardless of whether such claim is be | ort, shall be limited to the amount paid is beived by Cardinal within 30 days after or of use, or loss of profits incurred by clie ased upon any of the above stated reas | by the client for the completion of the applicatent, its subsidiaries, ons or otherwise. | ė | | |
| Relinquished By: Date: Date: Date: | Received By: | | sult: | gcarra | ☐ Yes ☐ No Add'I ☐ Yes ☐ No Add'I arrasco@concho.com | Add'l Phone #: Add'l Fax #: 0.COM |
| Time: | 0 | | | | | r |
|) | | 오 | | | | |
| Sampler - UPS - Bus - Other: | Yes Yes | の世代 | | | | |



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Company Name: | COG Operating LLC | | | •) | | | | |
|--|--|--|--|---|---------|------------------|-----------------------------|---|
| Project Manager: | : Lupe Carrasco | | P.O. #: | | + | 1 | ANALYSIS REQUEST | |
| Address: 2208 | 2208 West Main | | ny: | COG Operating LLC | | _ | | |
| City: Artesia | State: NM | Zip 88210 | | Robert McNeill | | | | |
| Phone #: | (575) 748-6940 Fax #: | | ess: | 600 W Illinois | | | | |
| Project #: | Project Owner: | ner: | City: Midland | and | _ | | | |
| Project Name: L | Loving 1 State #2 | | :: TX Zip | 9701 | _ | _ | | |
| Project Location: | | | (43) | 388 | | | | |
| Sampler Name: | Lupe Carrasco | | Fax #: | | _ | | | |
| FOR LAB USE ONLY | | MATRIX | SERV | SAMPI ING | | | | |
| Lab I.D. | Sample I.D. | AB OR (C)OMP. NTAINERS UNDWATER TEWATER DGE | /BASE: COOL ER: | | | de | | |
| Philogh | | # COI | | TIME BTEX | TPH | Chloric | | |
| | S5-SURFACE | × | 5/23/16 | | × | × | | + |
| - 20 s | S5-1' | × | 5/23/16 | | | × | | |
| | | | | | | | | |
| PLEASE NOTE: Liability and D | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 20 days. For constitution of the | any claim arising whether based in contract o | r tort, shall be limited to the amount pe | aid by the client for the | | | | |
| affiliates or successors arising of Relinguished By: | affiliates or successors arising out of or related to the performance of services hereunder by Calding without limitation, business instructions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardina, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinquished By: | ng without limitation, business interruptions, locardinal, regardless of whether such claim is | ss of use, or loss of profits incurred by based upon any of the above stated r | client, its subsidiaries, easons or otherwise. | | | | |
| 1 | Time: | S Vacchaen DA | | Phone Result: Fax Result: REMARKS: | ☐ Yes | ☐ Yes ☐ No Add'I | Add'l Phone #: Add'l Fax #: | |
| Relinquished By: | | Received By: | • | ğ | cho.cor | la (| | |
| Delivered By: (Circle One) | Circle One) | | 3 | | | | | |
| Sampler - UPS - Bus - Other: FORM-006 R 2.0 | Bus - Other: Carula 3/2 | 3. / of Thes Tyes | Control of the state of the sta | 4 | | | | |



September 14, 2016

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: LOVING 1 STATE #2

Enclosed are the results of analyses for samples received by the laboratory on 09/13/16 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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)

Celey D. Keine

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: 09/13/2016 Sampling Date: 09/12/2016

Reported: 09/14/2016 Sampling Type: Soil

Project Name: LOVING 1 STATE #2 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LOVING, NM

Sample ID: SP 2 @ 1' (H602042-01)

| Chioride, SM4500CI-B | mg, | /kg | Analyze | а ву: АС | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 09/14/2016 | ND | 432 | 108 | 400 | 0.00 | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BBC Inte 1RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

| | GRAB OR (C)OM CONTAINERS GROUNDWATER | FOR LAB USE ONLY POR LAB USE ONLY D | Project Location: Loving NM | | Phone #: 575-397-6388 | Address: P.O. Box 805 | Project Manager: Cliff Brunson | . DDC IIIIeiriational, Inc. |
|--|--|---------------------------------------|-----------------------------|------|-----------------------|-----------------------|--------------------------------|-----------------------------|
| LEASE NOTE: LIABITY and Continues Constitute Continues C | WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL GTHER: DATE TIME | MATRIX PRESERV SAMPLING | State: Zip: Phone #: | | Address: | Company: | P.O. #: | 8/11/70 |
| | | | | - A. | | | ANALYSIS REQUEST | |

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 Sample Condition
Cool Intact
Pres Pres
No No

#10

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Relinquished By:

Received By:

red by client, its subsidiaries

Phone Result: Fax Result: REMARKS:

□ Yes

ON O

Add'l Phone #: Add'l Fax #:

Page 4 of 4

Kathy Purvis

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: Monday, July 25, 2016 8:57 AM

To: Cliff Brunson

Cc: Robert Grubbs; Patterson, Heather, EMNRD; Ken Swinney; Jennifer Gilkey; Kathy Purvis;

'agroves@slo.state.nm.us'

Subject: RE: COG Loving 1 State #2 - Remediation Plan

RE: COG * Loving 1 St 2 * 2RP-3666 * DOR: 4/12/16

Cliff,

Your proposal for remediation of the above referenced release is approved. Target goal for chloride delineation is 250 mg/kg, and as discussed, field screens are acceptable for the SP-2 delineation. It is OCD's understanding that the proposed barrier will be clay/bentonite. Please advise if liner medium is revised, and, once remedial activities have been scheduled.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108

C: 575-626-0857 F: 575-748-9720

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]

Sent: Monday, July 11, 2016 5:17 PM

To: Bratcher, Mike, EMNRD

Cc: Robert Grubbs; Patterson, Heather, EMNRD; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: COG Loving 1 State #2 - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the COG Loving 1 State #2 release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply back via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS
President
BBC International, Inc.
World-Wide Environmental Specialists
Mailing Address:
P. O. Box 805
Hobbs, NM 88241-0805 USA
Shipping Address:
1324 W. Marland St.
Hobbs, NM 88240 USA
Phone: (575) 397-6388
Fax: (575) 397-0397

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than the named recipient(3) is strictly promoted.

From: Groves, Amber

To: <u>Bratcher, Mike, EMNRD; Cliff Brunson</u>

Cc: Robert Grubbs; Patterson, Heather, EMNRD; Ken Swinney; Jennifer Gilkey; Kathy Purvis

Subject: RE: COG Loving 1 State #2 - Remediation Plan

Date: Monday, August 1, 2016 7:56:10 AM

Attachments: image001.png image003.png

Cliff.

NMSLO is in agreement with NMOCD.

Thank you,

Amber Groves

Remediation Specialist
Field Operations Division
(575)392-3697
(575)263-3209 cell
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88260

.....

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From: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]

Sent: Monday, July 25, 2016 8:57 AM

To: Cliff Brunson <cbrunson@bbcinternational.com>

Cc: Robert Grubbs < RGrubbs@concho.com>; Patterson, Heather, EMNRD

<Heather.Patterson@state.nm.us>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey
<jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>; Groves, Amber
<agreening</pre><agreening</pre>cagroves@slo.state.nm.us>

Subject: RE: COG Loving 1 State #2 - Remediation Plan

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