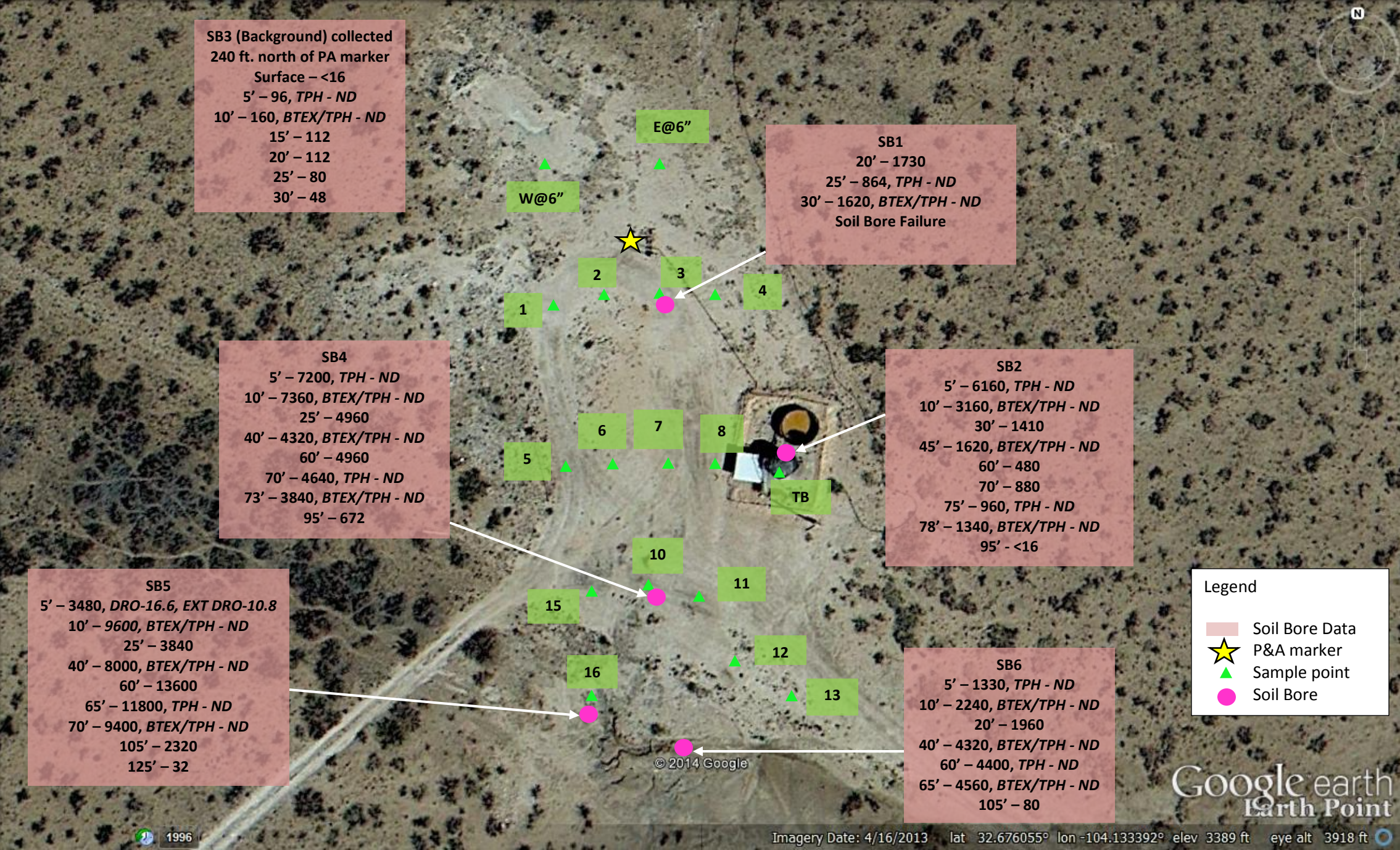


Bass Palmillo SWD #3 Soil Bore Installation

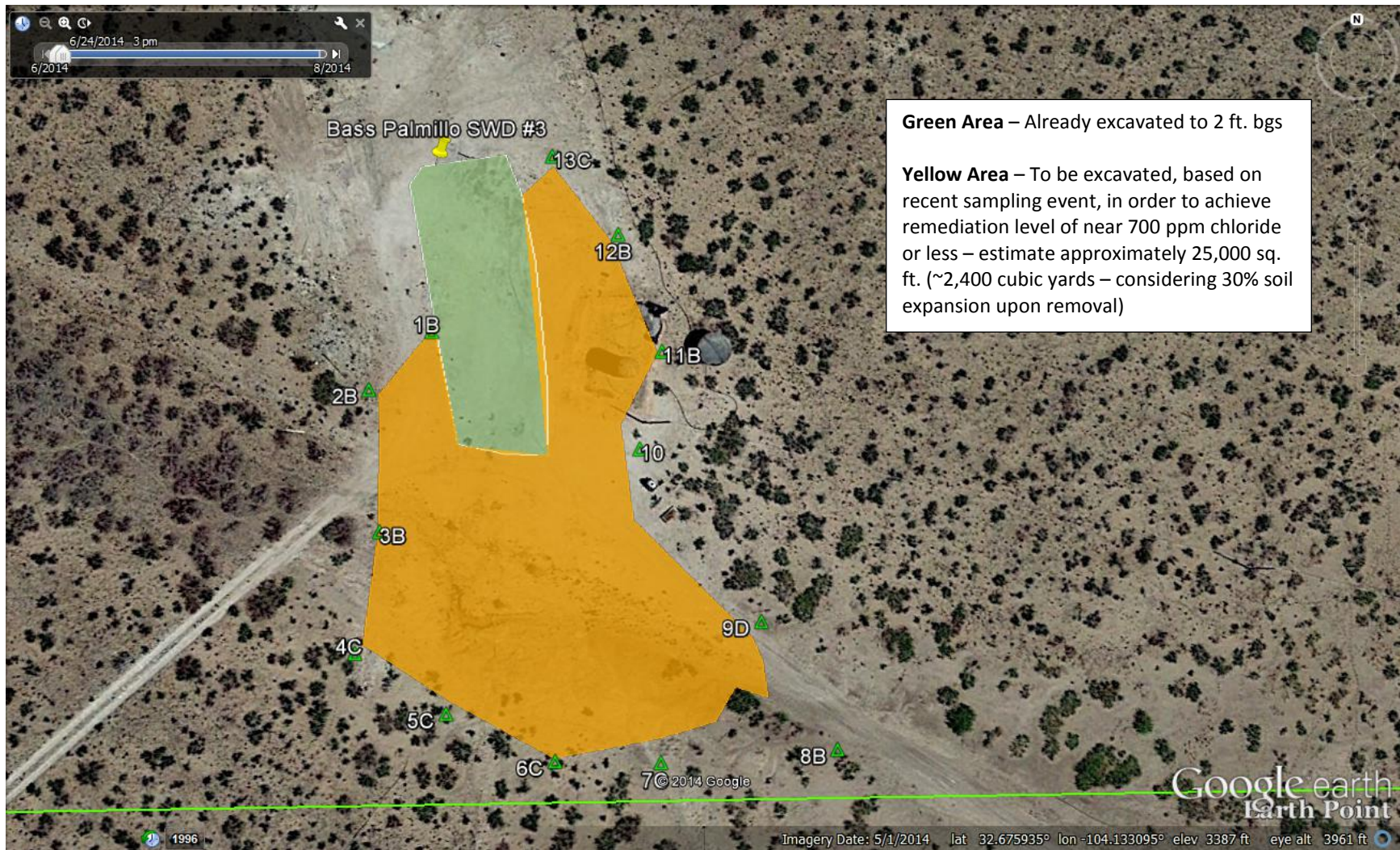
Unit Letter F, Section 12, Township 19S, Range 28E





# Bass Palmillo SWD #3 Areas of Excavation

Unit Letter F, Section 12, Township 19S, Range 28E



## Bass 03 SWD

### Field Test Results (all at 6" bgs)

| Location | Cl-  | Odor | Lab Cl- |
|----------|------|------|---------|
| HSP -1A  | 680  | None |         |
| HSP -1B  | <120 | None | 288     |
| HSP -1C  | -    | None |         |
| HSP -2A  | 1184 | None |         |
| HSP -2B  | <120 | None | 160     |
| HSP -2C  | -    | None |         |
| HSP -3A  | 624  | None |         |
| HSP -3B  | <120 | None | 112     |
| HSP -3C  | -    | None |         |
| HSP -4A  | 1648 | None |         |
| HSP -4B  | 1352 | None |         |
| HSP -4C  | <120 | None | 160     |
| HSP -5A  | 1648 | None |         |
| HSP -5B  | 392  | None |         |
| HSP -5C  | 136  | None | 352     |
| HSP -6A  | 3380 | None |         |
| HSP -6B  | 624  | None |         |
| HSP -6C  | <120 | None | 96      |
| HSP -7A  | 3972 | None |         |
| HSP -7B  | 932  | None |         |
| HSP -7C  | <120 | None | 48      |
| HSP -8A  | 476  | None |         |
| HSP -8B  | <120 | None | 224     |
| HSP -8C  | -    | None |         |
| HSP -9A  | 2628 | None |         |
| HSP -9B  | 392  | None |         |
| HSP -9C  | 476  | None |         |
| HSP -9D  | <120 | None | 16      |
| HSP -10A | 352  | None | 384     |
| HSP -10B | -    | None |         |
| HSP -10C | -    | None |         |
| HSP -11A | 7500 | None |         |
| HSP -11B | <120 | None | 144     |
| HSP -11C | -    | None |         |
| HSP -12A | 680  | None |         |
| HSP -12B | <120 | None | 32      |
| HSP -12C | -    | None |         |
| HSP -13A | 2864 | None |         |
| HSP -13B | 392  | None |         |
| HSP -13C | <120 | None | 160     |



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

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August 06, 2014

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 03 SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/29/14 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

 Received: 07/29/2014  
 Reported: 08/06/2014  
 Project Name: BASS 03 SWD  
 Project Number: [none]  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/29/2014  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Kathy Perez

**Sample ID: SB - 2 @ 70' (H402319-01)**

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>880</b> | 16.0            | 07/29/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: SB - 2 @ 75' (H402319-02)**

| Chloride, SM4500Cl-B |            | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>960</b> | 16.0            | 07/29/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | 10.1            | 197 | 98.5       | 200           | 1.02  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 207 | 103        | 200           | 0.873 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 92.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 97.9 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 07/29/2014  
Reported: 08/06/2014  
Project Name: BASS 03 SWD  
Project Number: [none]  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Kathy Perez

**Sample ID: SB - 2 @ 78' (H402319-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 2.07 | 103        | 2.00          | 1.58 |           |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 2.10 | 105        | 2.00          | 1.01 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 2.13 | 106        | 2.00          | 1.52 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 6.66 | 111        | 6.00          | 3.49 |           |
| Total BTEx     | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1340   | 16.0            | 07/29/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | 10.1            | 197 | 98.5       | 200           | 1.02  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 207 | 103        | 200           | 0.873 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 78.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 81.4 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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Cardinal Laboratories

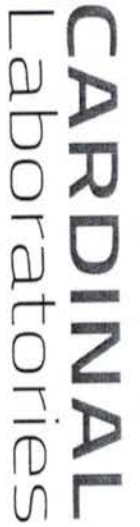
\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

|  |  |   |  |   |  |         |  |  |  |                                      |  |   |  |  |  |   |  |  |  |
|--|--|---|--|---|--|---------|--|--|--|--------------------------------------|--|---|--|--|--|---|--|--|--|
| <b>Company Name:</b> Basin Environmental<br><b>Project Manager:</b> Ben Arguino<br><b>Address:</b> 300 Plains Hwy.<br><b>City:</b> Livingston<br><b>State:</b> NM <b>Zip:</b> 88060<br><b>Phone #:</b> (505) 396-2378 <b>Fax #:</b><br><b>Project #:</b><br><b>Project Owner:</b> BOPCO, LP<br><b>Project Name:</b> BASS 03 SWD<br><b>Project Location:</b> Edgely, NM<br><b>Sampler Name:</b> Ben Arguino<br><small>FOR LAB USE ONLY</small>  |  |   |  | <b>P.O. #:</b><br><b>Company:</b> BOPCO, LP<br><b>Attn:</b> T. Savioe<br><b>Address:</b><br><b>City:</b><br><b>State:</b> <b>Zip:</b><br><b>Phone #:</b><br><b>Fax #:</b>                             |  |         |  | <b>BILL TO</b>   |  |                                      |  | <b>ANALYSIS REQUEST</b>   |  |  |  |   |  |  |  |
| <b>Lab I.D.</b><br><br><b>Sample I.D.</b>  |  | (G)RAB OR (C)OMP.<br># CONTAINERS<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE<br>OTHER :<br>ACID/BASE:<br>ICE / COOL<br>OTHER : |  | MATRIX<br>PRESERV<br>SAMPLING   |  | DATE    |  | TIME   |  | Chloride<br>TPH > added 8/14<br>BTEX |  |   |  |  |  |   |  |  |  |
|  |  |   |  |   |  | DATE    |  | TIME   |  |                                      |  |   |  |  |  |   |  |  |  |
| H 40314  |  | SB-2070'  |  | G   |  | 7/29/14 |  | 11:55  |  |                                      |  |   |  |  |  |   |  |  |  |
| 3  |  | SB-2075'  |  | G   |  | 7/29/14 |  | 11:20  |  |                                      |  |   |  |  |  |   |  |  |  |
|  |  | SB-2078'  |  | G   |  | 7/29/14 |  | 11:30  |  |                                      |  |   |  |  |  |   |  |  |  |
| PLEASE NOTE: Liability and Damages: Cardinal Facility and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of service hereunder by Cardinal. Signatures of whether such claim is based on liability of the above listed locations or otherwise. |  |   |  |   |  |         |  |  |  |                                      |  | <b>Relinquished By:</b> [Signature]<br><b>Date:</b> 7/29/14<br><b>Time:</b> 1415<br><b>Received By:</b> [Signature]<br><b>Date:</b><br><b>Time:</b> |  |  |  | <b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:<br><b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Fax #:<br><b>REMARKS:</b> |  |  |  |
| <b>Relinquished By:</b> [Signature]<br><b>Date:</b><br><b>Time:</b>  |  |   |  | <b>Sample Condition</b><br>Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/><br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/><br>Checked BY: [Signature] |  |         |  | <b>Delivered By:</b> (Circle One)<br>UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: 320' HSC<br>Sample Condition: Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/><br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/><br>Checked BY: [Signature] |  |                                      |  |   |  |  |  |   |  |  |  |





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

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August 12, 2014

BEN J. ARGUIJO

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 03 SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/04/14 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

 Received: 08/04/2014  
 Reported: 08/12/2014  
 Project Name: BASS 03 SWD  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/28/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SB-1 @ 20' (H402383-01)**

| Chloride, SM4500Cl-B |             | mg/kg           | Analyzed By: AP |              |     |            |               |      |           |
|----------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>1730</b> | 16.0            | 08/07/2014      | ND           | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-1 @ 25' (H402383-02)**

| Chloride, SM4500Cl-B |            | mg/kg           | Analyzed By: AP |              |     |            |               |      |           |
|----------------------|------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result     | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| <b>Chloride</b>      | <b>864</b> | 16.0            | 08/07/2014      | ND           | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           | Analyzed By: MS |              |     |            |               |       |           |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014      | ND           | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014      | ND           | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014      | ND           |     |            |               |       |           |

Surrogate: 1-Chlorooctane 83.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/28/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-1 @ 30' (H402383-03)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |
| Total BTX      | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1620   | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 87.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.6 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-2 @ 5' (H402383-04)**

| Chloride, SM4500Cl-B          |        | mg/kg           |            | Analyzed By: AP |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 6160   | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00  |           |
| TPH 8015M                     |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28                  | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35              | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |
|                               |        |                 |            |                 |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 89.0 % | 65.2-140        |            |                 |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 91.4 % | 63.6-154        |            |                 |     |            |               |       |           |

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Celey D. Keene, Lab Director/Quality Manager

### Analytical Results For:

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

### Sample ID: SB-2 @ 10' (H402383-05)

| 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           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |  |
| Total BTEx     | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3160   | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 93.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

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Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-2 @ 30' (H402383-06)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

| Analyte         | Result      | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>1410</b> | 16.0            | 08/07/2014 | ND           | 400 | 100        | 400           | 0.00 |           |

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Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-2 @ 45' (H402383-07)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |
| Total BTX      | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1620   | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <20.0  | 20.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.7 % 63.6-154

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Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/29/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-2 @ 60' (H402383-08)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 480    | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-2 @ 95' (H402383-09)**

| 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            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-3 (BACKGROUND) @ SURFACE (H402383-10)**

| 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            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

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Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-3 (BACKGROUND) @ 5' (H402383-11)**

| Chloride, SM4500Cl-B          |        | mg/kg           |            | Analyzed By: AP |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 96.0   | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00  |           |
| TPH 8015M                     |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28                  | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35              | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |
|                               |        |                 |            |                 |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 87.0 % | 65.2-140        |            |                 |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 87.4 % | 63.6-154        |            |                 |     |            |               |       |           |

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Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

### Sample ID: SB-3 (BACKGROUND) @ 10' (H402383-12)

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |  |
| Total BTEx     | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 160    | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 80.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.1 % 63.6-154

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Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-3 (BACKGROUND) @ 15' (H402383-13)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |  |

**Sample ID: SB-3 (BACKGROUND) @ 20' (H402383-14)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-3 (BACKGROUND) @ 25' (H402383-15)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 08/07/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-3(BACKGROUND) @ 30' (H402383-16)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

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 Received: 08/04/2014  
 Reported: 08/12/2014  
 Project Name: BASS 03 SWD  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/30/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SB-4 @ 5' (H402383-17)**

| Chloride, SM4500Cl-B          |        | mg/kg           |            | Analyzed By: HM |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 7200   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00  |           |
| TPH 8015M                     |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28                  | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35              | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |
|                               |        |                 |            |                 |     |            |               |       |           |
| Surrogate: 1-Chlorooctane     | 86.0 % | 65.2-140        |            |                 |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 92.7 % | 63.6-154        |            |                 |     |            |               |       |           |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-4 @ 10' (H402383-18)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |
| Total BTEX     | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 7360   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 94.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-4 @ 25' (H402383-19)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: HM**

| Analyte         | Result      | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>4960</b> | 16.0            | 08/08/2014 | ND           | 400 | 100        | 400           | 0.00 |           |

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P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-4 @ 40' (H402383-20)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |
| Total BTX      | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4320   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 90.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.8 % 63.6-154

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 Received: 08/04/2014  
 Reported: 08/12/2014  
 Project Name: BASS 03 SWD  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/30/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SB-4 @ 60' (H402383-21)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4960   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |  |

**Sample ID: SB-4 @ 70' (H402383-22)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4640   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 87.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 90.1 % 63.6-154

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Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-4 @ 73' (H402383-23)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |
| Toluene*       | <0.050 | 0.050           | 08/05/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/05/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/05/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |
| Total BTX      | <0.300 | 0.300           | 08/05/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3840   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 86.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 95.2 % 63.6-154

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Received: 08/04/2014  
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Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/30/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-4 @ 95' (H402383-24)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 672    | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |  |

**Sample ID: SB-5 @ 5' (H402383-25)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 3480   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | 16.6   | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | 10.8   | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.2 % 63.6-154

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Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-5 @ 10' (H402383-26)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 08/06/2014 | ND              | 1.73 | 86.5       | 2.00          | 9.08 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/06/2014 | ND              | 1.73 | 86.5       | 2.00          | 8.92 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/06/2014 | ND              | 1.70 | 85.2       | 2.00          | 9.77 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/06/2014 | ND              | 5.48 | 91.4       | 6.00          | 10.8 |           |  |
| Total BTEx     | <0.300 | 0.300           | 08/06/2014 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 9600   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/06/2014 | ND              | 198 | 99.1       | 200           | 1.77  |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/06/2014 | ND              | 200 | 100        | 200           | 0.848 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/06/2014 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 79.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

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Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-5 @ 25' (H402383-27)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: HM**

| Analyte         | Result      | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>3840</b> | 16.0            | 08/08/2014 | ND           | 400 | 100        | 400           | 0.00 |           |

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Received: 08/04/2014  
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Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-5 @ 40' (H402383-28)**

| 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           | 08/06/2014 | ND              | 2.08 | 104        | 2.00          | 8.22 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/06/2014 | ND              | 2.13 | 107        | 2.00          | 8.36 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/06/2014 | ND              | 2.16 | 108        | 2.00          | 8.86 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/06/2014 | ND              | 6.75 | 112        | 6.00          | 8.92 |           |  |
| Total BTEx     | <0.300 | 0.300           | 08/06/2014 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 8000   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | ND              | 201 | 101        | 200           | 3.43 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 209 | 105        | 200           | 6.60 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 107 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

 Received: 08/04/2014  
 Reported: 08/12/2014  
 Project Name: BASS 03 SWD  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/31/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SB-5 @ 60' (H402383-29)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 13600  | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-5 @ 65' (H402383-30)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 11800  | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | ND              | 201 | 101        | 200           | 3.43 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 209 | 105        | 200           | 6.60 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-5 @ 70' (H402383-31)**

| 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           | 08/11/2014 | ND              | 2.08 | 104        | 2.00          | 8.22 |           |  |
| Toluene*       | <0.050 | 0.050           | 08/11/2014 | ND              | 2.13 | 107        | 2.00          | 8.36 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 08/11/2014 | ND              | 2.16 | 108        | 2.00          | 8.86 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 08/11/2014 | ND              | 6.75 | 112        | 6.00          | 8.92 |           |  |
| Total BTEX     | <0.300 | 0.300           | 08/11/2014 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 9400   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | ND              | 201 | 101        | 200           | 3.43 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 209 | 105        | 200           | 6.60 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 110 % 63.6-154

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**Analytical Results For:**

Basin Environmental Service  
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P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-5 @ 105' (H402383-32)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2320   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-5 @ 125' (H402383-33)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: SB-6 @ 5' (H402383-34)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1330   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | ND              | 201 | 101        | 200           | 3.43 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 209 | 105        | 200           | 6.60 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-6 @ 10' (H402383-35)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 08/06/2014 | ND              | 2.08 | 104        | 2.00          | 8.22 |           |
| Toluene*       | <0.050 | 0.050           | 08/06/2014 | ND              | 2.13 | 107        | 2.00          | 8.36 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/06/2014 | ND              | 2.16 | 108        | 2.00          | 8.86 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/06/2014 | ND              | 6.75 | 112        | 6.00          | 8.92 |           |
| Total BTEX     | <0.300 | 0.300           | 08/06/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2240   | 16.0            | 08/08/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | ND              | 201 | 101        | 200           | 3.43 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 209 | 105        | 200           | 6.60 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 100 % 65.2-140

Surrogate: 1-Chlorooctadecane 108 % 63.6-154

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**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-6 @ 20' (H402383-36)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

| Analyte         | Result      | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>1960</b> | 16.0            | 08/06/2014 | ND           | 416 | 104        | 400           | 8.00 |           |

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Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-6 @ 40' (H402383-37)**

| 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           | 08/06/2014 | ND              | 2.08 | 104        | 2.00          | 8.22 |           |
| Toluene*       | <0.050 | 0.050           | 08/06/2014 | ND              | 2.13 | 107        | 2.00          | 8.36 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/06/2014 | ND              | 2.16 | 108        | 2.00          | 8.86 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/06/2014 | ND              | 6.75 | 112        | 6.00          | 8.92 |           |
| Total BTEX     | <0.300 | 0.300           | 08/06/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4320   | 16.0            | 08/06/2014 | ND              | 416 | 104        | 400           | 8.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | ND              | 201 | 101        | 200           | 3.43 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 209 | 105        | 200           | 6.60 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 95.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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**Analytical Results For:**

 Basin Environmental Service  
 BEN J. ARGUIJO  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

 Received: 08/04/2014  
 Reported: 08/12/2014  
 Project Name: BASS 03 SWD  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 07/31/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: SB-6 @ 60' (H402383-38)**

| Chloride, SM4500Cl-B          |             |                 | mg/kg           |              |     |            |               |      |           |  |
|-------------------------------|-------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
|                               |             |                 | Analyzed By: AP |              |     |            |               |      |           |  |
| Analyte                       | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| <b>Chloride</b>               | <b>4400</b> | 16.0            | 08/06/2014      | ND           | 416 | 104        | 400           | 8.00 |           |  |
| TPH 8015M                     |             |                 | mg/kg           |              |     |            |               |      |           |  |
|                               |             |                 | Analyzed By: MS |              |     |            |               |      |           |  |
| Analyte                       | Result      | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| GRO C6-C10                    | <10.0       | 10.0            | 08/05/2014      | ND           | 201 | 101        | 200           | 3.43 |           |  |
| DRO >C10-C28                  | <10.0       | 10.0            | 08/05/2014      | ND           | 209 | 105        | 200           | 6.60 |           |  |
| EXT DRO >C28-C35              | <10.0       | 10.0            | 08/05/2014      | ND           |     |            |               |      |           |  |
| Surrogate: 1-Chlorooctane     | 104 %       | 65.2-140        |                 |              |     |            |               |      |           |  |
| Surrogate: 1-Chlorooctadecane | 110 %       | 63.6-154        |                 |              |     |            |               |      |           |  |

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Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-6 @ 65' (H402383-39)**

| 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           | 08/06/2014 | ND              | 2.08 | 104        | 2.00          | 8.22 |           |
| Toluene*       | <0.050 | 0.050           | 08/06/2014 | ND              | 2.13 | 107        | 2.00          | 8.36 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 08/06/2014 | ND              | 2.16 | 108        | 2.00          | 8.86 |           |
| Total Xylenes* | <0.150 | 0.150           | 08/06/2014 | ND              | 6.75 | 112        | 6.00          | 8.92 |           |
| Total BTEx     | <0.300 | 0.300           | 08/06/2014 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 89.4-126

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4560   | 16.0            | 08/06/2014 | ND              | 416 | 104        | 400           | 8.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10       | <10.0  | 10.0            | 08/05/2014 | ND              | 201 | 101        | 200           | 3.43 |           |
| DRO >C10-C28     | <10.0  | 10.0            | 08/05/2014 | ND              | 209 | 105        | 200           | 6.60 |           |
| EXT DRO >C28-C35 | <10.0  | 10.0            | 08/05/2014 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 109 % 63.6-154

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

Basin Environmental Service  
BEN J. ARGUIJO  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/04/2014  
Reported: 08/12/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 07/31/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: SB-6 @ 105' (H402383-40)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AP**

| Analyte         | Result      | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
|-----------------|-------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| <b>Chloride</b> | <b>80.0</b> | 16.0            | 08/06/2014 | ND           | 416 | 104        | 400           | 8.00 |           |

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Celey D. Keene, Lab Director/Quality Manager

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celey D. Keene, Lab Director/Quality Manager





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# ARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### BILL TO

### ANALYSIS REQUEST

|                   |   |          |                |
|-------------------|---|----------|----------------|
| Company Name:     | Basin Environmental Service Technologies, LLC | P.O. #:  |                |
| Project Manager:  | Ben Arguilo                                   | Company: | BOPCO, LP      |
| Address:          | P.O. Box 301                                  | Attn:    | Tony Savoie    |
| City:             | Lovington                                     | Address: | 522 W. Marland |
| Phone #:          | (575)396-2378                                 | City:    | Carlsbad       |
| Fax #:            | (575)396-1429                                 | State:   | NM             |
| Project #:        |   | Zip:     | 88220          |
| Project Name:     | Bass 03 SWD                                   | Phone #: | (432)556-8730  |
| Project Location: | Eddy Co., NM                                  | Fax #:   |                |
| Sampler Name:     | Ben J. Arguilo                                |          |                |

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H402383

|    |            | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX      |            |      |     |        |         | DATE    | TIME | Chloride    |   |  |  |  |  |  |  |  |  |
|----|------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|------|-------------|---|--|--|--|--|--|--|--|--|
|    |            |                   |              | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : |         |      | TPH (8015M) |   |  |  |  |  |  |  |  |  |
| 21 | SB-4 @ 60' | G                 | 1            | X           |            |      |     |        |         | 7/30/14 | 1420 | X           |   |  |  |  |  |  |  |  |  |
| 22 | SB-4 @ 70' | G                 | 1            | X           |            |      |     |        |         | 7/30/14 | 1435 | X           | X |  |  |  |  |  |  |  |  |
| 23 | SB-4 @ 73' | G                 | 1            | X           |            |      |     |        |         | 7/30/14 | 1445 | X           | X |  |  |  |  |  |  |  |  |
| 24 | SB-4 @ 95' | G                 | 1            | X           |            |      |     |        |         | 7/30/14 | 1520 | X           |   |  |  |  |  |  |  |  |  |
| 25 | SB-5 @ 5'  | G                 | 1            | X           |            |      |     |        |         | 7/31/14 | 0900 | X           | X |  |  |  |  |  |  |  |  |
| 26 | SB-5 @ 10' | G                 | 1            | X           |            |      |     |        |         | 7/31/14 | 0905 | X           | X |  |  |  |  |  |  |  |  |
| 27 | SB-5 @ 25' | G                 | 1            | X           |            |      |     |        |         | 7/31/14 | 0920 | X           |   |  |  |  |  |  |  |  |  |
| 28 | SB-5 @ 40' | G                 | 1            | X           |            |      |     |        |         | 7/31/14 | 0940 | X           | X |  |  |  |  |  |  |  |  |
| 29 | SB-5 @ 60' | G                 | 1            | X           |            |      |     |        |         | 7/31/14 | 1005 | X           |   |  |  |  |  |  |  |  |  |
| 30 | SB-5 @ 65' | G                 | 1            | X           |            |      |     |        |         | 7/31/14 | 1015 | X           | X |  |  |  |  |  |  |  |  |

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Relinquished By:

Date: 8/1/14 Received By:

Relinquished By:

Date: 1/6/50 Received By:

Delivered By: (Circle One)

Sample UPS - Bus - Other: FORM-006

Revision 1.0

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

Please email results to Ben Arguilo, Tony Savoie, Jody Walters & Amy Ruth

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

**ORDINAL LABORATORIES**

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(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]





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

---

September 08, 2014

JOEL LOWRY

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: BASS 03 SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/29/14 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 Basin Environmental Service  
 JOEL LOWRY  
 P.O. Box 301  
 Lovington NM, 88260  
 Fax To: (575) 396-1429

 Received: 08/29/2014  
 Reported: 09/08/2014  
 Project Name: BASS 03 SWD  
 Project Number: NONE GIVEN  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 08/27/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: HSP-1B (H402681-01)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 288    | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: HSP-2B (H402681-02)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: HSP-3B (H402681-03)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: HSP-4C (H402681-04)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Basin Environmental Service  
JOEL LOWRY  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/29/2014  
Reported: 09/08/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 08/27/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: HSP-5C (H402681-05)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 352    | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: HSP-6C (H402681-06)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 96.0   | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: HSP-7C (H402681-07)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: HSP-8B (H402681-08)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 224    | 16.0            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: HSP-9D (H402681-09)**

| 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            | 09/04/2014 | ND              | 416 | 104        | 400           | 3.92 |           |

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

Basin Environmental Service  
JOEL LOWRY  
P.O. Box 301  
Lovington NM, 88260  
Fax To: (575) 396-1429

Received: 08/29/2014  
Reported: 09/08/2014  
Project Name: BASS 03 SWD  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 08/27/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: HSP-10 (H402681-10)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 384    | 16.0            | 09/04/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: HSP-11B (H402681-11)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 144    | 16.0            | 09/04/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: HSP-12B (H402681-12)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 09/04/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

**Sample ID: HSP-13C (H402681-13)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AP |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 09/04/2014 | ND              | 400 | 100        | 400           | 0.00 |           |

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Celey D. Keene, Lab Director/Quality Manager

**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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celey D. Keene, Lab Director/Quality Manager



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