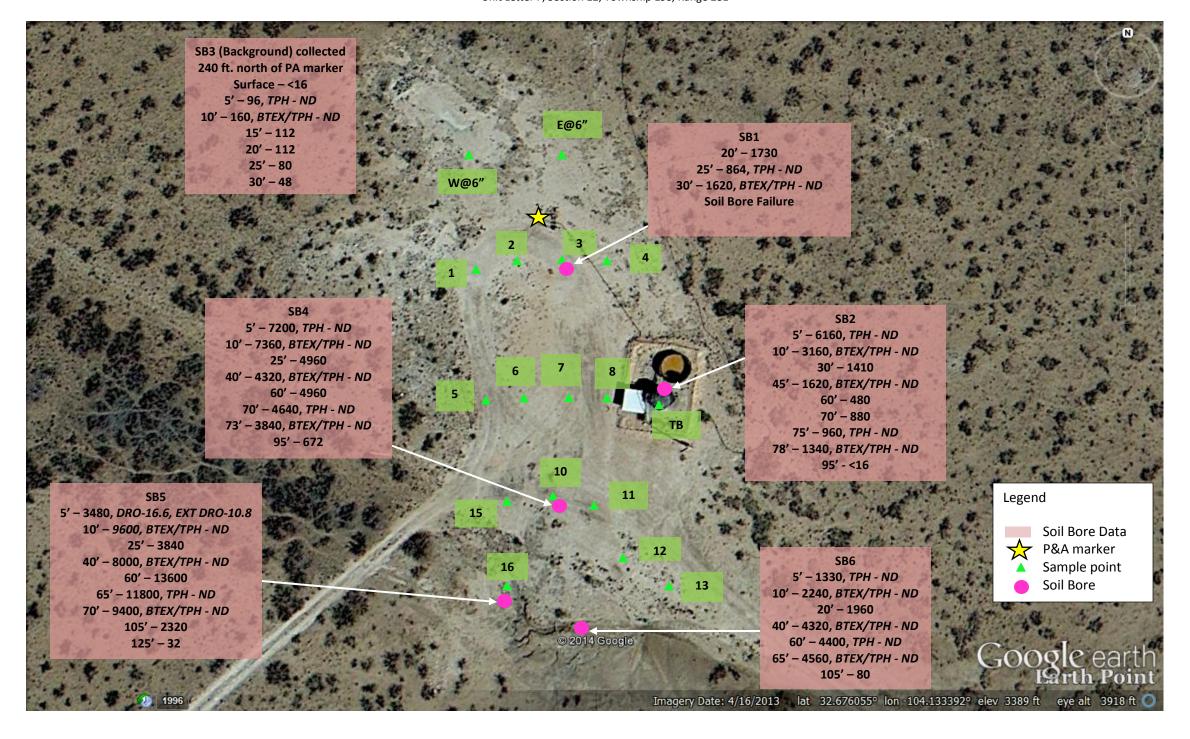
# **Bass Palmillo SWD #3** Soil Bore Installation

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)

|          | 01   | arts (an at o | Dg3/    |
|----------|------|---------------|---------|
| 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     |



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 <a href="https://www.tceq.texas.gov/field/ga/lab-accred-certif.html">www.tceq.texas.gov/field/ga/lab-accred-certif.html</a>.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Earl Tax (575) 200

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

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

| Chloride, SM4500Cl-B          | mg/    | 'kg             | Analyze    | d By: AP     |     |            |               |       |           |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                      | 960    | 16.0            | 07/29/2014 | ND           | 416 | 104        | 400           | 3.92  |           |
| TPH 8015M                     | mg/    | 'kg             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 97.9   | % 63.6-15       | 4          |              |     |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

 Received:
 07/29/2014
 Sampling Date:
 07/29/2014

 Reported:
 08/06/2014
 Sampling Type:
 Soil

Project Name: BASS 03 SWD Sampling Condition: \*\* (See Notes)
Project Number: [none] Sample Received By: Kathy Perez

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 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 9  | % 89.4-12       | 6          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d 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              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 81.4   | % 63.6-15       | 4          |              |      |            |               |       |           |

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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|   |
| Project Name: (SP) 366 - 337 Fax #: Project Owner: \$0,000, LP City:  Project Name: (SS) 53 SALO  Project Location: Fddy Co. MM  Sampler Name: (SM) My Cylin Charles  SAMPLING  PROBLEM USE ONLY  SAMPLING  PROBLEM USE ONLY  SAMPLING  PROBLEM USE ONLY  SAMPLING  PAX #: Project Owner #:  Project Name: (SM) My Cylin Charles  SAMPLING  PROBLEM USE ONLY  SAMPLING  PROBLEM USE ONLY  SAMPLING  PAX #: SAMPLING |

Sample Condition
Cool Intact
Yes 4 Yes
No No

CHECKED BY:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By:

Time: 14/

Fax Result: REMARKS:

☐ Yes

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

Received By

Time:



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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 Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Result 400 Chloride 1730 16.0 08/07/2014 ND 100 400 0.00

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

Chloride, SM4500Cl-B Analyzed By: AP Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 864 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 08/06/2014 200 <10.0 10.0 ND 200 100 0.848 EXT DRO >C28-C35 10.0 08/06/2014 ND <10.0

Surrogate: 1-Chlorooctane 83.8 % 65.2-140
Surrogate: 1-Chlorooctadecane 91.6 % 63.6-154

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

 Received:
 08/04/2014
 Sampling Date:
 07/28/2014

 Reported:
 08/12/2014
 Sampling Type:
 Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B                           | mg,    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 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    | % 89.4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500CI-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             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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   | % 65.2-14       | 0               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 89.6   | % 63.6-15       | 4               |              |      |            |               |       |           |

Surrogate: 1-Chlorooctadecane 89.6 % 63.6-154

Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

 Received:
 08/04/2014
 Sampling Date:
 07/29/2014

 Reported:
 08/12/2014
 Sampling Type:
 Soil

Reported:08/12/2014Sampling Type:SoilProject Name:BASS 03 SWDSampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500CI-B          | mg     | /kg             | Analyze    | d 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             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 91.4   | % 63.6-15       | 4          |              |     |            |               |       |           |

Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/29/2014 Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B                           | mg/     | kg              | Analyze         | d By: MS     |      |            |               |       |           |
|--------------------------------------|---------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 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 %   | 6 89.4-12       | 6               |              |      |            |               |       |           |
| Chloride, SM4500CI-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              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 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    | % 65.2-14       | 0               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 103 9   | 63.6-15         | 4               |              |      |            |               |       |           |

#### Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/29/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

## Sample ID: SB-2 @ 30' (H402383-06)

| Chloride, SM4500Cl-B | mg,    | /kg             | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1410   | 16.0            | 08/07/2014 | ND           | 400 | 100        | 400           | 0.00 |           |

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Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/29/2014

Reported: 08/12/2014 Sampling Type: Soil Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B                           | mg/     | kg              | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 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 %   | % 89.4-12       | 6          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyze    | d 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              | Analyze    | d 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 9  | % 65.2-14       | 0          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 96.7    | % 63.6-15       | 4          |              |      |            |               |       |           |

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Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/29/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

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 08/07/2014 ND 400 400 0.00 Chloride <16.0 16.0 100

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Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/30/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500Cl-B          | mg     | /kg             | Analyze    | d 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             | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 87.4   | % 63.6-15       | 4          |              |     |            |               |       |           |

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Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/30/2014 Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Analyzed By: MC

Project Location: EDDY COUNTY, NM

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

ma/ka

RTFY 8021R

| BIEX 8021B                           | mg     | кg              | Anaiyze         | a 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    | % 89.4-12       | 6               |              |      |            |               |       |           |
| 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             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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   | % 65.2-14       | 0               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 89.1   | % 63 6-15       | 1               |              |      |            |               |       |           |

Surrogate: 1-Chlorooctadecane 89.1 % 63.6-154

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Received: 08/04/2014 Sampling Date: 07/30/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500Cl-B mg/kg |        | Analyze         | d By: AP   |              |     |            |               |      |           |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte                    | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                   | 112    | 16.0            | 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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Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/30/2014

Reported: 08/12/2014 Sampling Type: Soil Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500Cl-B mg/kg    |        | /kg             | Analyze    | d 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  |                 | Analyze    | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 92.7   | % 63.6-15       | 4          |              |     |            |               |       |           |

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Fax To: (575) 396-1429

 Received:
 08/04/2014
 Sampling Date:
 07/30/2014

 Reported:
 08/12/2014
 Sampling Type:
 Soil

Reported:08/12/2014Sampling Type:SoilProject Name:BASS 03 SWDSampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 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    | % 89.4-12       | 6          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d 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             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 100    | % 63.6-15       | 4          |              |      |            |               |       |           |

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Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/30/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

#### Sample ID: SB-4 @ 25' (H402383-19)

| Chloride, SM4500Cl-B mg/kg |        | апагузей бу: нм |            |              |     |            |               |      |           |
|----------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| 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 |           |

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Fax To: (575) 396-1429

Received: 08/04/2014 Reported:

ma/ka

08/12/2014 Project Name: BASS 03 SWD Project Number: NONE GIVEN Project Location: EDDY COUNTY, NM Sampling Type: Sampling Condition: Cool & Intact Sample Received By:

Sampling Date:

07/30/2014 Soil

Jodi Henson

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

RTFY 8021R

| BIEX 8021B                           | mg     | / kg            | Anaiyze    | а ву: м5     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| 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 | 103    | % 89.4-12       | 6          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d 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             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 95.8   | % 63.6-15       | 4          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

Analyzed By: MC

#### Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/30/2014 Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500CI-B | 14500Cl-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   | % 65.2-14       | 0               |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 90.1   | % 63.6-15       | 4               |              |     |            |               |       |           |

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

 Received:
 08/04/2014
 Sampling Date:
 07/30/2014

 Reported:
 08/12/2014
 Sampling Type:
 Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: EDDY COUNTY, NM

ma/ka

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

RTFY 8021R

| B1EX 8021B                           | тд/кд  |                 | Anaiyze    | 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 9  | % 89.4-12       | 6          |                 |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyze    | d 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             | Analyze    | d By: MS        |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |                 |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 95.2   | % 63.6-15       | 4          |                 |      |            |               |       |           |

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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 @ 95' (H402383-24)

| Chloride, SM4500Cl-B mg/kg |        | Analyze         | d 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             | Analyze         | d By: MS     |     |            |               |       |           |
| Analyte                       | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 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   | % 65.2-14       | 0               |              |     |            |               |       |           |
| Surrogate: 1-Chlorooctadecane | 94.2   | % 63.6-15       | 4               |              |     |            |               |       |           |

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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 @ 10' (H402383-26)

| BTEX 8021B                           | mg,    | 'kg             | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 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    | % 89.4-12       | 6          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d 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             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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   | % 65.2-14       | 0          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 91.8   | % 63.6-15       | 4          |              |      |            |               |       |           |

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Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/31/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

#### Sample ID: SB-5 @ 25' (H402383-27)

| Chloride, SM4500Cl-B | mg/kg  |                 | Analyze    | d 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 |           |

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07/31/2014



# **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 Sampling Date:

EDDY COUNTY, NM

Reported:08/12/2014Sampling Type:SoilProject Name:BASS 03 SWDSampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

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

Project Location:

| 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    | % 89.4-12       | 6               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze         | d 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             | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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    | % 65.2-14       | 0               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 107    | % 63.6-15       | 4               |              |      |            |               |      |           |

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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, SM4500CI-B | mg/kg  |                 | Analyze    | d 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             | Analyze         | d By: MS     |     |            |               |      |           |
| Analyte                       | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                    | <10.0  | 10.0            | 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    | % 65.2-14       | 0               |              |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 104    | % 63.6-15       | 4               |              |     |            |               |      |           |

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/31/2014

Reported: 08/12/2014 Sampling Type: Soil Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B                           | mg/     | kg              | Analyze         | Analyzed By: CK |      |            |               |      |           |
|--------------------------------------|---------|-----------------|-----------------|-----------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 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 %   | 89.4-12         | 6               |                 |      |            |               |      |           |
| Chloride, SM4500CI-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              | Analyze         | d By: MS        |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed        | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 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 9   | 65.2-14         | 0               |                 |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 110 9   | 63.6-15         | 4               |                 |      |            |               |      |           |

#### Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/31/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500Cl-B | mg     | /kg             | Analyze    | d 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 | hloride, SM4500Cl-B mg/kg |                 |            |              |     |            |               |      |           |
|----------------------|---------------------------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| 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, SM4500CI-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             | Analyze         | d By: MS     |     |            |               |      |           |
| Analyte                   | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                | <10.0  | 10.0            | 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   | % 65.2-14       | 0               |              |     |            |               |      |           |

Surrogate: 1-Chlorooctadecane 104 % 63.6-154

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

 Received:
 08/04/2014
 Sampling Date:
 07/31/2014

 Reported:
 08/12/2014
 Sampling Type:
 Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B                           | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 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    | % 89.4-12       | 6          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg,    | /kg             | Analyze    | d 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             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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    | % 65.2-14       | 0          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 108    | % 63.6-15       | 4          |              |      |            |               |      |           |

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Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/31/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

#### Sample ID: SB-6 @ 20' (H402383-36)

| Chioride, SM4500CI-B | mg/    | кд              | Апагузеа ву: АР |              |     |            |               |      |           |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed        | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1960   | 16.0            | 08/06/2014      | ND           | 416 | 104        | 400           | 8.00 |           |

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

 Received:
 08/04/2014
 Sampling Date:
 07/31/2014

 Reported:
 08/12/2014
 Sampling Type:
 Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| BTEX 8021B  Analyte                  | mg/kg  |                 | Analyzed By: MS |              |               |               |               |           |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|---------------|---------------|---------------|-----------|-----------|
|                                      | 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    | % 89.4-12       | 6               |              |               |               |               |           |           |
| 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   | % 65.2-14       | 0               |              |               |               |               |           |           |
| Surrogate: 1-Chlorooctadecane        | 100    | % 63.6-15       | 4               |              |               |               |               |           |           |

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/31/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500Cl-B          | mg     | mg/kg           |                 | Analyzed By: AP |     |            |               |      |           |
|-------------------------------|--------|-----------------|-----------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte                       | Result | Reporting Limit | Analyzed        | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                      | 4400   | 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    | % 65.2-14       | 0               |                 |     |            |               |      |           |
| Surrogate: 1-Chlorooctadecane | 110    | % 63.6-15       | 4               |                 |     |            |               |      |           |

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Basin Environmental Service BEN J. ARGUIJO P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/31/2014

Reported: 08/12/2014 Sampling Type: Soil

EDDY COUNTY, NM

109 %

63.6-154

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

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

Project Location:

Surrogate: 1-Chlorooctadecane

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 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 9  | % 89.4-12       | 6          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d 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              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10                           | <10.0  | 10.0            | 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 9  | % 65.2-14       | 0          |              |      |            |               |      |           |

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Basin Environmental Service BEN J. ARGUIJO

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/04/2014 Sampling Date: 07/31/2014

Reported: 08/12/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

# Sample ID: SB-6 @ 105' (H402383-40)

| Chloride, SM4500Cl-B | mg,    | /kg             | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 80.0   | 16.0            | 08/06/2014 | ND           | 416 | 104        | 400           | 8.00 |           |

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# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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# ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

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

| Company manie.    | Dasiii Eliviioliilielital Service Lechnologies, LLC                | nologie        | S, LL      | C                                | *****         |           | 0              | BILL TO       |           |      |           |     | ANALYSIS REDITECT |
|-------------------|--|----------------|------------|----------------------------------|---------------|-----------|----------------|---------------|-----------|------|-----------|-----|-------------------|
| Project Manager:  | Ben Arguijo  |                |            |                                  | 9.            | P.O. #:   |                |               |           | 7    | $\forall$ |     | - 1               |
| Address: P.O. B   | P.O. Box 301   |                |            |                                  | ဂ             | Company:  | ny:            | ВОРО          | BOPCO, LP |      |           |     |                   |
| City: Lovington   | State: NM  | Zip:           | Zip: 88260 | 260                              | Attn:         | 2         |                | Tony Savoie   | oie .     |      |           |     |                   |
| Phone #: (575)3   | (575)396-2378 <b>Fax #</b> : (575)396-1429                         | 396-14         | 29         |                                  | A             | Address:  | (S)            | 522 W Marland | arland    |      |           |     |                   |
| Project #:        | Project Owner:   |                | BOF        | BOPCO, LP                        | City          | <u> </u>  |                | Carlshad      | •         |      |           |     |                   |
| Project Name: E   | Bass 03 SWD  |                |            |                                  | 2             | State.    | Z              | 715.          | 00000     |      | M)        | IB) |                   |
| Project Location: | Eddy Co., NM   |                |            |                                  | D !           |           |                | 1             | 02200     | ride | 015       | 02  |                   |
| Sampler Name: F   | Sen I Arcuiio  |                |            |                                  | 1             | THORE #.  | 7.             | (432)556-8730 | -8/30     | lo   | (80       | (8  |                   |
| 1                 | bell J. Arguijo  |                |            |                                  | Fax           | Fax #:    |                |               |           | Ch   | н         | ΕX  |                   |
| FOR LAB USE ONLY  |  |                |            | MATRIX                           |               | PRE       | PRESERV.       | SAMPLING      | NG        |      | TP        | вт  |                   |
| Lab I.D.          | Sample I.D.  | RAB OR (C)OMP. | CONTAINERS | ROUNDWATER ASTEWATER DIL L .UDGE | THER:         | DID/BASE: | E/COOL<br>HER: |               |           |      |           |     |                   |
| -                 | SB-1 @ 20'   | $\overline{}$  | _          | ×                                | $\rightarrow$ | _         | _              | 7/28/14       | 1430      | ×    |           | 1   |                   |
| 2                 | SB-1 @ 25'   | ရ              | >          | ×                                |               |           | ×              | 7/28/14       | 1435      | < >  | <         |     |                   |
| 3                 | SB-1 @ 30'   | ര              | _          | ×                                |               |           | ×              | 7/28/14       | 1440      | × ;  | × >       | <   |                   |
| 4                 | SB-2 @ 5'  | ດ              | _          | ×                                |               |           | ×              | 7/29/14       | 0900      | ×    | × ;       | ,   |                   |
| ·(s               | SB-2 @ 10'   | ഒ              | -          | ×                                |               |           | ×              | 7/29/14       | 0905      | × ;  | × :       | <   |                   |
| 6                 | SB-2 @ 30'   | G              | _          | ×                                |               | _         | ×              | 7/29/14       | 0930      | × :  | >         | >   |                   |
| _                 | SB-2 @ 45'   | ၈              |            | ×                                |               |           | ×              | 7/29/14       | 1000      | × >  | ×         | ×   |                   |
| 8                 | SB-2 @ 60'   | ര              |            | ×                                |               | ×         |                | 7/29/14       | 1000      | <    | ,         | >   |                   |
| Q                 | SB-2 @ 95'   | ഒ              | _          | ×                                |               |           | × ;            | 7/30/14       | 0020      | < >  |           |     |                   |
| 10                | D SB-3 (Background) @ Surface   G   1   X   X   7/30/14   1045   X | ര              |            | ×                                |               | ×         |                | 7/30/14       | 1045      | < >  |           |     |                   |

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

アン井

Sample Condition
Cool Intact
Pres Pres
No No

CHECKED BY

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

Sampler - UPS - Bus - Other:

Revision 1.0

Delivered By: (Circle One)

Relinquished By:

Time: 1650

wed By:

ons, loss of use, or loss of profits incurred by client, its subsidiaries

Phone Result:
Fax Result:
REMARKS:

☐ Yes☐ Yes

O O

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

Regeived By:

Time: Date: Relinquished By:

Page 32 of 35

# ARDINAL LABORATORIES

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

|   |                      | 1            |                  |                |           |     |     |     |   | C C C C C C C C C C C C C C C C C C C | - |  |
|---|----------------------|--------------|------------------|----------------|-----------|-----|-----|-----|---|---------------------------------------|---|--|
| riojectimatiager: pen Arguijo   |                      | 7            | P.O. #:          |                |           |     | 7   |     |   | - 1                                   |   |  |
| Address: P.O. Box 301   |                      | 0            | Company:         | ВОР            | BOPCO, LP |     |     |     | _ |                                       |   |  |
| City: Lovington State: NM Zip:  | : 88260              |              | Attn:            | Tony Savoie    | oie       |     |     |     |   |                                       |   |  |
| Phone #: (575)396-2378 Fax #: (575)396-1429   | 29                   | A            | Address:         | 522 W. Marland | Marland   |     |     |     |   | _                                     |   |  |
| Project #: Project Owner:   | BOF                  | BOPCO, LP C  | City:            | Carlsbad       | ۵.        |     |     |     |   |                                       |   |  |
| Project Name: Bass 03 SWD   |                      | S            | State: NM        | Zin:           | 00008     | ,   | M)  | 1B) |   |                                       |   |  |
| Project Location: Eddy Co., NM  |                      | ,            |                  |                | 00000     | ide | 15  | 02  |   |                                       |   |  |
| ,   |                      | 7            | Fnone #:         | (432)556-8730  | -8730     | or  | 80  | (8  |   |                                       |   |  |
| Sampler Name: Ben J. Arguijo  |                      | T.           | Fax #:           |                |           | Chl | Н ( | EX  |   |                                       |   |  |
| FOR LAB USE ONLY  | H                    | MATRIX       | PRESERV          | /- SAMPLING    | NG        | -   | TP  | вт  |   |                                       |   |  |
| Lab I.D. Sample I.D.  | ITAINERS<br>INDWATER | EWATER<br>GE | BASE:            |                |           |     |     |     |   |                                       |   |  |
| (G)RA   | -                    |              | ACID/<br>ICE / C | DATE           | TIME      |     | v   |     |   |                                       |   |  |
| SB-3 (Background) @ 5' G  | _                    | ×            | ×                | 7/30/14        | 1050      | ×   | ×   |     |   | +                                     | # |  |
| SB-3 (Background) @ 10' G   | ->                   | ×            | ×                | 7/30/14        | 1055      | ×   | ×   | ×   |   |                                       |   |  |
| G   | _                    | ×            | ×                | 7/30/14        | 1100      | ×   |     | -   |   |                                       |   |  |
| SB-3 (Background) @ 20' G   | -                    | ×            | ×                | 7/30/14        | 1105      | ×   |     |     |   |                                       |   |  |
| SB-3 (Background) @ 25' G   | -                    | ×            | ×                | 7/30/14        | 1110      | ×   |     |     |   | +                                     |   |  |
| SB-3 (Background) @ 30' G   | _                    | ×            | ×                | 7/30/14        | 1115      | ×   |     |     |   |                                       |   |  |
| SB-4@5' G   | -                    | ×            | ×                | 7/30/14        | 1315      | ×   | ×   |     |   | +                                     |   |  |
| SB-4 @ 10' G  | _                    | ×            | ×                | 7/30/14        | 1320      | ×   | ×   | ×   |   | +                                     |   |  |
| SB-4 @ 25'  | _                    | ×            | ×                | 7/30/14        | 1335      | ×   |     |     |   |                                       |   |  |
| SB-4 @ 40' G 1  | _                    | ×            | ×                | 7/30/14        | 1355      | ×   | ×   | ×   |   | +                                     |   |  |
| T-C-Doz rev ic: Leaung and Damages. Cardina's liability and client's Sectionius we ensety for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All clients including these for new for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the | -                    |              |                  |                |           |     |     |     |   |                                       |   |  |

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

Relinquished By:

Sampler - UPS - Bus - Other:

5.70

Sample Condition
Cool Intact
Pes Yes
No No

CHECKED BY:

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

Revision 1.0

Delivered By: (Circle One)

Time: Date:

Received By:

Received By:

loss of use, or loss of profits incurred by client, its subsidiaries

Phone Result:
Fax Result:
REMARKS:

☐ Yes☐ Yes

No No

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

Relinquished By:

Page 33 of 35

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

| Desirat Manager  | Casiii Eilviioiiilieilai Selvice Lechnologies, LLC  | lologi             | 8,                                       | LLC   |                                       |                           |                                 | 8/                                   | BILL TO   |  |          |                |      | ANALYSIS REQUEST                   |   |
|--|---|--------------------|--|---|---------------------------------------|---------------------------|---------------------------------|--------------------------------------|---|--|----------|----------------|------|------------------------------------|---|
| an   | Ben Arguijo   |                    |  |   | P                                     | P.O. #:                   |                                 |                                      |   |  |          | ٦              |      |                                    |   |
| Address: P.O. Box 301  | ox 301  |                    |  |   | 2                                     | ğ                         | Company:                        |                                      | BOPCO, LP   | O LP   |          |                |      |                                    |   |
| City: Lovington  | State: NM   | Zip:               |  | 88260   | Attn:                                 | Ξ.                        |                                 |                                      | Tony Savoie   | Ď į  |          |                |      |                                    |   |
| Phone #: (575)39   | (575)396-2378 <b>Fax #</b> : (575)396-1429  | 96-1               | 429                                      |   | Ad                                    | Address:                  | SS                              |                                      | 522 W. Marland  | arland   |          |                |      |                                    |   |
| Project #:   | Project Owner:  | ā                  | ВС                                       | BOPCO, LP   | City:                                 | Κ.                        |                                 |                                      | Carlsbad  |  |          |                |      |                                    |   |
| Project Name: B  | Bass 03 SWD   |                    |  |   | S                                     | State                     | Z                               |                                      | 5   | 0000   | •        | M)             | 1B)  |                                    |   |
| Project I ocation:   | Eddy Co NIM   |                    |  |   | 9                                     | 6                         |                                 |                                      | Lip.  | 02200  | de       | 15             | )21  |                                    |   |
| Project Location:  | Eddy Co., NM  |                    |  |   | Ph                                    | Phone #:                  | #                               |                                      | (432)556-8730   | 8730   | orio     | 801            | 80   |                                    |   |
| Sampler Name: B  | Ben J. Arguijo  |                    |  |   | Fa                                    | Fax #:                    |                                 |                                      |   |  | hle      | H (8           | X (  |                                    |   |
| FOR LAB USE ONLY   |   | ┪                  | 7  | MATRIX  | -                                     | <b>司</b>                  | 200                             |                                      | CAMPI   |  | С        | PH             | TE   |                                    |   |
|  |   | IP.                |  |   |                                       | 7                         | 77.007.74                       | - 4                                  | OMMITLING   | ā  |          | T              | В    |                                    |   |
| Lab I.D.   | Sample I.D.   | G)RAB OR (C)OM     | CONTAINERS                               | ROUNDWATER VASTEWATER OIL UL LUDGE  | THER:                                 | CID/BASE:                 | E / COOL                        | THER:                                |   |  |          |                |      |                                    |   |
| 21   | SB-4 @ 60'  | G                  | _  |   |                                       | 1                         | -                               | _(                                   | 7/30/14   | 1420   | ×        |                | 1    |                                    |   |
| 22   | SB-4 @ 70'  | G                  | _  | ×   |                                       |                           | ×                               | _                                    | 7/30/14   | 1435   | ×  :     | ×              | -    |                                    |   |
| 23   | SB-4 @ 73'  | G                  | _  | ×   |                                       |                           | ×                               | _                                    | 7/30/14   | 1445   | × ;      | ×  >           | ×    |                                    |   |
| 26   | SB-4 @ 95'  | G                  | -  | ×   |                                       |                           | ×                               | _                                    | 7/30/14   | 1520   | × :      | ;              | ,    |                                    |   |
| 22   | SB-5 @ 5'   | G                  | _  | ×   |                                       |                           | ×                               | _                                    | 7/31/14   | 0900   | ×        | ×              | _    |                                    |   |
| 26   | SB-5 @ 10'  | G                  | _  | ×   |                                       |                           | ×                               | -                                    | 7/31/14   | 0905   | ×        | ×              | ×    |                                    |   |
| 27   | SB-5 @ 25'  | G                  | _  | ×   |                                       |                           | ×                               | _                                    | 7/31/14   | 0920   | × :      | ;              | ;    |                                    |   |
| 200  | SB-5 @ 40'  | G                  | _  | ×   |                                       |                           | ×                               | _                                    | 7/31/14   | 0940   | ×  :     | ×              | ×    |                                    |   |
| S.   | SB-5 @ 60'  | G                  | _  | ×   |                                       |                           | ×                               | _                                    | 7/31/14   | 1005   | ×        |                | - 1  |                                    |   |
| 8  | SB- 5 @ 65'   | G                  | _  | ×   |                                       |                           | ×                               | -                                    | 7/31/14   | 1015   | ×        | ×              | +    |                                    |   |
| LEASE NOTE: Liability and Da<br>salyses, All claims including thos<br>nvice. In no event shall Cardina<br>filiates or successors arising out | LEASE NOTE: Llability and Damages. Cardinal's liability and client's Sectionlusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the salyses. 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 compelsion of the applicably invitive. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, filiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | emed w<br>thout li | any cl<br>aived i<br>ritation<br>regardi | laim arising whether based i<br>unless made in writing and re-<br>in, business interruptions, loss<br>less of whether such claim is | in con<br>ceived<br>s of use<br>based | by Ca<br>by Ca<br>b, or k | or tort,<br>ordinal<br>oss of p | shall<br>within<br>profits<br>the at | be limited to the<br>30 days after con<br>incurred by client<br>ove stated reason | he amount paid by to ompletion of the application of the application of the application of the application of the applications of otherwise. | the clie | client for the | -    |                                    | L |
| Relinquished By:   | Time: (657)   | Re                 | Ceiv                                     | Received By:  | -                                     | 1                         | MANA                            | Q                                    |   | Phone Result:<br>Fax Result:<br>REMARKS:   |          | □ Yes          | O No | o Add'l Phone #:<br>o Add'l Fax #: |   |
| elinguished By:  | Date:   | R                  | eiv                                      | Received By:  | 2                                     | 2                         | É                               | 6                                    | (   |  |          |                |      |                                    |   |
|  |   | 1                  | •  |   |                                       |                           |                                 |                                      |   |  |          |                |      |                                    | _ |

Sample Condition
Cool Intact
Dayes Ares
No No

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

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Time:

Revision 1.0

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

| (0.0) 000 2020 100 (0.0)                                    |                                   |                  |
|---|-----------------------------------|------------------|
| Company Name: Basin Environmental Service Technologies, LLC | BILL TO                           | ANALYSIS REQUEST |
| Project Manager: Ben Arguijo                                | P.O. #:                           |                  |
| Address: P.O. Box 301                                       | Company: BOPCO, LP                |                  |
| City: Lovington State: NM Zip: 88260                        | Attn: Tony Savoie                 |                  |
| Phone #: (575)396-2378 Fax #: (575)396-1429                 | ess:                              |                  |
| Project #: Project Owner: BOPCO, LP                         | City:                             | _                |
| Project Name: Bass 03 SWD                                   | State: NM Zip: 88220              | 5 <b>M</b> )     |
| Project Location: Eddy Co., NM                              | Phone #: (432)556-8730            | (802             |
| Sampler Name: Ben J. Arguijo                                | Fax #:                            | H (              |
| FOR LAB USE ONLY  | MATRIX PRESERV. SAMPLING          | TP               |
| CAB OR (C)OMPONTAINERS DUNDWATER STEWATER                   | DDGE<br>HER:<br>D/BASE:<br>/ COOL |                  |

| Sampler Name: Be    | Ben J. Arguijo |                                  |              |                             | Fax #:                   | #                                  |          |      | Chl | Н ( | ΞX |   |   |   |
|---------------------|----------------|----------------------------------|--------------|-----------------------------|--------------------------|------------------------------------|----------|------|-----|-----|----|---|---|---|
| FOR LAB USE ONLY    |                |                                  | _            | MATRIX                      |                          | PRESERV.                           | SAMPLING | VG.  |     | TP  | вт |   |   |   |
| Lab I.D.<br>H403383 | Sample I.D.    | (G)RAB OR (C)OMF                 | # CONTAINERS | GROUNDWATER WASTEWATER SOIL | OIL<br>SLUDGE<br>OTHER : | ACID/BASE:<br>CE / COOL<br>OTHER : | DATE     | TIME |     |     |    |   |   |   |
| <u>G</u>            | SB-5 @ 70'     | G                                |              | ×                           |                          | ×                                  | 7/31/14  | 1020 | ×   | ×   | ×  | 1 | + | + |
| 32                  | SB-5 @ 105'    | G                                | _            | ×                           |                          | ×                                  | 7/31/14  | 1110 | ×   |     |    |   |   |   |
| 33                  | SB-5 @ 125'    | G                                | ->           | ×                           |                          | ×                                  | 7/31/14  | 1130 | ×   |     |    |   |   |   |
| Z.                  | SB-6 @ 5'      | G                                | _            | ×                           |                          | ×                                  | 7/31/14  | 1400 | ×   | ×   |    |   |   |   |
| 35                  | SB-6 @ 10'     | G                                | _            | ×                           |                          | ×                                  | 7/31/14  | 1405 | ×   | ×   | ×  |   |   |   |
| 38                  | SB-6 @ 20'     | G                                | -            | ×                           |                          | ×                                  | 7/31/14  | 1415 | ×   |     |    |   |   |   |
| 57                  | SB-6 @ 40'     | G                                | -            | ×                           |                          | ×                                  | 7/31/14  | 1440 | ×   | ×   | ×  |   |   |   |
| 38                  | SB-6 @ 60'     | G                                | _            | ×                           |                          | ×                                  | 7/31/14  | 1505 | ×   | ×   |    |   |   |   |
| 29                  | SB-6 @ 65'     | G                                |              | ×                           |                          | ×                                  | 7/31/14  | 1510 | ×   | ×   | ×  |   |   |   |
| OH<br>CH            | SB-6 @ 105'    | SB-6 @ 105' G 1 X X 7/31/14 1540 | _            | ×                           |                          | ×                                  | 7/31/14  | 1540 | ×   |     |    |   |   |   |

Relinquished By: Refinguished By: analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or cons Date: Time: Received By: ed unless made in writing and received by Cardinal within 30 days after completion of the applicable ns, loss of use, or loss of profits incurred by client, its subsidiaries Phone Result: Fax Result: REMARKS: □ Yes

O No

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

| 100 | Sample Condition Cool Intact GYes 7 Yes No No |   |
|-----|---|---|
|     | CHECKED BY:                                   |   |
|     |   | Please email results to Ben Arguijo, Tony Savoie, Jody Walters & Amy Ruth |

Sampler - UPS - Bus - Other:

Revision 1.0

Delivered By: (Circle One)

Time:

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



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Basin Environmental Service JOEL LOWRY

P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/29/2014 Sampling Date: 08/27/2014

Reported: 09/08/2014 Sampling Type: Soil Project Name: BASS 03 SWD

EDDY COUNTY, NM

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

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

Project Location:

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d 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             | Analyze    | d 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, SM4500Cl-B | mg/    | /kg             | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 09/04/2014 | ND           | 416 | 104        | 400           | 3.92 |           |

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

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d 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 |           |

Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service JOEL LOWRY P.O. Box 301 Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/29/2014 Sampling Date: 08/27/2014 Reported: Sampling Type: Soil

09/08/2014 Project Name: BASS 03 SWD Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: EDDY COUNTY, NM

| Chloride, SM4500CI-B                           | mg       | /kg                  | Analyze                 | d 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 (H40                         | 2681-06) |                      |                         |                         |     |            |               |      |           |
| Sample ID: HSP-6C (H40<br>Chloride, SM4500CI-B | =        | /kg                  | Analyze                 | d By: AP                |     |            |               |      |           |
|  | =        | /kg  Reporting Limit | <b>Analyze</b> Analyzed | ed By: AP  Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |

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

| Chloride, SM4500Cl-B | mg,    | /kg             | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 09/04/2014 | ND           | 416 | 104        | 400           | 3 92 |           |

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

| Chloride, SM4500Cl-B | mg,    | /kg             | Analyze    | d 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, SM4500CI-B | mg     | /kg             | Analyze    | d By: AP     |     |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 09/04/2014 | ND           | 416 | 104        | 400           | 3.92 |           |

## Cardinal Laboratories \*=Accredited Analyte

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Basin Environmental Service JOEL LOWRY

P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 08/29/2014 Sampling Date: 08/27/2014

Reported: 09/08/2014 Sampling Type: Soil

Project Name: BASS 03 SWD Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: EDDY COUNTY, NM

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

| Chloride, SM4500Cl-B    | mg        | /kg             | Analyze    | d 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-11R (H4( | n2681-11) |                 |            |              |     |            |               |      |           |

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

| Chloride, SM4500CI-B | mg,    | /kg             | Analyze    | d 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             | Analyze    | d 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, SM4500CI-B | mg,    | /kg             | Analyze    | d 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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Celeg D. Freene



# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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# ARDINAL LABORATORIES

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

| Company Name:      | Basin Environmental Service Technologies, LLC | e Technologies                   | s, LLC                                 |  | BILL TO        |        |      |          |          | AN  | ANALYSIS | REQUEST |   |
|--------------------|---|----------------------------------|--|--|----------------|--------|------|----------|----------|-----|----------|---------|---|
| Project Manager:   | Joel Lowry                                    |                                  |  | P.O. #:  |                |        |      | 4        | 4        | +   |          |         |   |
| Address: P.O. B    | P.O. Box 301                                  |                                  |  | Company:                                       | BOPCO, LP      | O, LP  |      |          |          | _   |          |         |   |
| City: Lovington    | State: NM                                     |                                  | Zip: 88260                             | Attn:  | Tony Savoie    | œ.     |      |          |          |     |          |         |   |
| Phone #: (575)3    | (575)396-2378 Fax #:                          | Fax #: (575)396-1429             | 9                                      | Address:                                       | 522 W. Marland | ırland |      |          |          |     |          |         |   |
| Project #:         | Project                                       | Project Owner:                   |  | City:  | Carlsbad       |        |      |          | _        | Н   |          | F.      |   |
| Project Name: E    | Bass 03 SWD (Palmilo)                         |                                  |  | State: NM                                      | Zip: 8         | 88220  | е    | _^       |          | TP  |          |         |   |
| Project Location:  | Eddy Co., NM                                  |                                  |  | Phone #:                                       | 2)556          | 8730   | orid | 301      | (802     | OR  |          |         |   |
| Sampler Name: •    | SOEL lower                                    |                                  |  | Fax #:   |                |        | Chle | - 0      |          | D F |          |         |   |
| FOR LAB USE ONLY   |   |                                  | MATRIX                                 | PRESERV.                                       | SAMPLING       | G      | (    |          |          | IOL |          |         |   |
| Lab I.D.<br>իԿ0%%] | Sample I.D.                                   | (G)RAB OR (C)OMP<br># CONTAINERS | GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER :<br>ACID/BASE:<br>ICE / COOL<br>OTHER : | DATE           | TIME   |      |          |          |     |          |         |   |
| _                  | HSP-1B  | 9 1                              | ×                                      | ×  | 8/27/14        | 1000   | ×    | 4        | 4        | +   |          | +       | + |
| 2                  | HSP-2B  | Ω 1                              | ×                                      | ×  | 8/27/14        | 1010   | ×    | 4        | +        | +   |          | +       |   |
| W                  | HSP-3B  | 9 1                              | ×                                      | ×  | 8/27/14        | 1020   | ×    | 4        | +        | +   |          |         |   |
| 4                  | HSP-4C  | 9 1                              | ×                                      | ×  | 8/27/14        | 1030   | ×    | 4        | $\dashv$ | +   |          |         |   |
| (5)                | HSP-5C  | 9 1                              | ×                                      | ×  | 8/27/14        | 1040   | ×    | _        | +        |     |          |         |   |
| 6                  | HSP-6C  | 9 1                              | ×                                      | ×  | 8/27/14        | 1050   | ×    | 4        | +        | +   | 7        |         |   |
| 7                  | HSP-7C  | 9 1                              | ×                                      | ×  | 8/27/14        | 1100   | ×    | 4        | +        |     | 1        |         |   |
| ol ol              | HSP-8B  | 9 1                              | ×                                      | ×  | 8/27/14        | 1110   | ×    | 4        | +        | -   |          |         |   |
| 2                  | HSP-9D  | 9 1                              | ×                                      | ×  | 8/27/14        | 1120   | ×    | $\dashv$ | +        |     |          |         | + |
| 0                  | HSP-10  | g<br>1                           | ×                                      | ×  | 8/27/14        | 1130   | ×    | $\dashv$ | $\dashv$ | +   |          |         | + |

(I) Cardinal gappot accept verbal changes. Please fax written changes to 575-393-2476 424

5.80 Cool Intact

Sample Condition

CHECKED BY

Please email results to pm@basinenv.com, TASavoie@BassPet.com & SJWalters@BassPet.com

HOLD FOR TPH

Relinquished By:

202

Time: Date:

Received By:

Phone Result: Fax Result: REMARKS:

☐ Yes☐ Yes

N N

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

Sampler - UPS - Bus - Other:

Revision 1.0 FORM-006 Delivered By: (Circle One)

Times Date: Relinquished By:

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

| Company Name:                         | Basin Environmental Service Technologies, LLC   | nnolog                  | ies,         | LLC   |          |            | 8                     | BILL TO                                   |   |           |     |      |     | ANA | ANALYSIS |   | REQUEST | EST      |          |          |          | _       |  |
|---------------------------------------|---|-------------------------|--------------|---|----------|------------|-----------------------|---|---|-----------|-----|------|-----|-----|----------|---|---------|----------|----------|----------|----------|---------|--|
| Project Manager:                      | Joel Lowry  |                         |              |   | P.O.     | 9,#        |                       |   |   |           |     |      | ٦   | ٦   | ٦        |   | 7       | $\dashv$ | $\dashv$ | 4        | 4        | $\perp$ |  |
| Address: P.O. Box 301                 | 301   |                         |              |   | ဂ္ဂ      | ğ          | Company:              | BOPCO, LP                                 | 0, LP                                   |           |     |      |     |     |          |   |         |          | _        | _        |          |         |  |
| City: Lovington                       | State: NM   | Zip:                    | 8            | Zip: 88260  | At       | Attn:      |                       | Tony Savoie                               | Φ.                                      |           |     |      |     |     |          |   |         |          |          |          |          | _       |  |
| Phone #: (575)396-2378                | 2378 <b>Fax #</b> : (575)396-1429   | 396-14                  | 129          |   | Ad       | Address:   | SS:                   | 522 W. Marland                            | rland                                   |           |     |      |     |     |          |   |         |          |          |          |          |         |  |
| Project #:                            | Project Owner:  | er:                     |              |   | City:    | ?          |                       | Carlsbad                                  |   |           |     | )    | н   |     |          |   |         |          |          |          |          | _       |  |
| Project Name: Bass                    | Bass 03 SWD (Palmilo)   |                         |              |   | St       | State:     | Z                     | Zip: 8                                    | 88220                                   | le        | 5M) | 21B) | TP  |     |          |   |         |          | _        |          |          |         |  |
| Project Location:                     | Eddy Co., NM  |                         |              |   | Ph       | Phone #:   | #                     | 2)556                                     | 8730                                    | orid      | 801 | (802 | OR  |     |          |   |         |          | _        |          |          |         |  |
| Sampler Name: 5                       | DOEC lowey  |                         |              |   | Fa       | Fax #:     |                       |   |   | Chl       | Н ( | EX   | D F |     |          |   |         |          | _        |          |          | _       |  |
| FOR LAB USE ONLY                      |   | P                       |              | MATRIX  |          | PR         | PRESERV.              | SAMPLING                                  | G                                       |           | TP  | вт   | HOL |     |          |   |         |          |          |          |          |         |  |
| Lab I.D.<br>H402651                   | Sample I.D.   | (G)RAB OR (C)OMP.       | # CONTAINERS | GROUNDWATER WASTEWATER SOIL OIL SLUDGE                      | OTHER:   | ACID/BASE: | ICE / COOL<br>OTHER : | DATE                                      | TIME                                    |           |     |      | H   |     |          |   |         |          |          |          |          |         |  |
| =                                     | HSP-11B   | 9                       | 1            | ×   |          |            | ×                     | 8/27/14                                   | 1140                                    | ×         |     |      |     |     |          | ٦ | 7       | 1        | $\dashv$ | $\dashv$ | 4        | _       |  |
| 12                                    | HSP-12B   | 9                       | 1            | ×   |          |            | ×                     | 8/27/14                                   | 1150                                    | ×         |     |      |     |     |          |   |         | +        | +        | $\dashv$ | $\dashv$ |         |  |
| 3                                     | HSP-13C   | 9                       | _            | ×   |          |            | ×                     | 8/27/14                                   | 1200                                    | ×         |     |      |     |     |          |   | П       | H        | Н        | $\vdash$ | $\vdash$ |         |  |
|                                       |   |                         |              |   |          |            |                       |   |   |           |     |      |     |     |          |   |         |          | +        | _        | +        |         |  |
|                                       |   |                         |              |   |          |            |                       |   |   |           |     |      |     |     |          |   |         |          | -        | -        | -        |         |  |
|                                       |   |                         |              |   |          |            |                       |   |   |           |     |      |     |     |          |   |         |          |          |          |          |         |  |
|                                       |   |                         |              |   |          |            |                       |   |   |           |     |      |     |     |          |   |         |          | -        |          | -        |         |  |
|                                       |   |                         | _            |   |          |            |                       |   |   |           |     |      |     |     |          |   | П       | Н        | Н        | Н        |          |         |  |
| TARE NOTE: Library Towns              |   |                         |              |   |          |            |                       |   |   |           |     |      |     |     |          |   |         | Н        | Н        | Н        | Н        |         |  |
| alyses. All claims including those to | ral/see. 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. | ny claim ar<br>deemed w | sived u      | whether based in contract o<br>unless made in writing and i | rort, si | hall be    | ardinal with          | he amount paid by<br>in 30 days after con | the client for the<br>npletion of the a | policable |     |      |     |     |          |   |         |          |          |          |          |         |  |

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

Sample Condition
Cool Intact
Pers Ares
No No

CHECKED BY:

Please email results to pm@basinenv.com, TASavoie@BassPet.com & SJWalters@BassPet.com

HOLD FOR TPH

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Date: 6 75
Time: 2:13
Date: 8/29/14

ved By:

Phone Result: Fax Result: REMARKS:

☐ Yes

O O O

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

FORM-006 Revision 1.0 Relinquished By:

æ

Page 7 of 7