

MAY 04 2011

NMOCD ARTESIA

SURFACE SAMPLES

| Sample Description | Water | Soil | | AGNO3 | CI- | PID |
|--------------------|-------|------|------|-------|-------|------|
| SurfacePt. 1 | 31 | 11.4 | 2.72 | 8.4 | 22835 | 20.8 |
| Surface Pt. 2 | 31.6 | 11.8 | 2.68 | 11.55 | 30921 | 92.1 |
| Surface Pt.3 | 30.8 | 15.5 | 1.99 | 10.27 | 20401 | 29.2 |
| Surface Pt.4 | 32 | 11.3 | 2.83 | 11.76 | 33292 | 71.4 |
| Surface Pt. 5 | 31.6 | 11.7 | 2.70 | 9.76 | 26352 | 33.1 |
| Surface Pt. 6 | 30.3 | 18.2 | 1.66 | 16.58 | 27594 | 99.3 |
| Surface Pt. 7 | 30 | 16.3 | 1.84 | 20 | 36798 | 52.8 |

Vertical Samples

| Sample Description | Water So | il | AG | SNO3 C | - | |
|--------------------|----------|------|------|--------|-------|-----|
| Pt. 6 @ 6" | 30.9 | 11.3 | 2.73 | 5.27 | 14406 | N/A |
| Pt. 7 @ 6" | 30 | 10.3 | 2.91 | 5.44 | 15840 | N/A |

RECEIVED

MAY 04 2011

NMOCD ARTESIA

VERTICALS

| Sample Description | Water | Soil | | AGNO3 | CI- | PID |
|----------------------|-------|------|------|-------|-------|------|
| SurfacePt. 1 | 31 | 11.4 | 2.72 | 8.4 | 22835 | 20.8 |
| Pt. 1 @ 6" | 30.1 | 10.5 | 2.87 | 0.73 | 2092 | 0.9 |
| Pt. 1 @ 1' | 30 | 10.6 | 2.83 | 0.04 | 113 | 1.2 |
| | | | | | | |
| Surface Pt. 2 | 31.6 | 11.8 | 2.68 | 11.55 | 30921 | 92.1 |
| Pt. 2 @ 6" | 31.7 | 10.9 | 2.91 | 0.25 | 727 | 1.3 |
| Pt. 2 @ 1' | 31.6 | 10.9 | 2.90 | 0.63 | 1826 | 1.6 |
| Pt. 2 @ 1.5' | 30 | 10.3 | 2.91 | 0.55 | 1601 | 0.8 |
| Pt. 2 @ 2' | 30.9 | 10.1 | 3.06 | 0.23 | 703 | 2.5 |
| Pt. 2 @ 2.5' | 30.4 | 11.6 | 2.62 | 0.04 | 105 | N/A |
| | | | | | | |
| Surface Pt.3 | 30.8 | 15.5 | 1.99 | 10.27 | 20401 | 29.2 |
| Pt. 3 @ 6" | 30.6 | 11.3 | 2.71 | 0.18 | 487 | 6.9 |
| Pt. 3 @ 1' | 30.1 | 10.3 | 2.92 | 0.18 | 526 | 4.6 |
| Pt. 3 @ 1.5' | 30 | 10.7 | 2.80 | 0.03 | 84 | 3.8 |
| | | | | | | |
| Surface Pt.4 | 32 | 11.3 | 2.83 | 11.76 | 33292 | 71.4 |
| Bottom center | 30.5 | 11.3 | 2.70 | 0.68 | 1835 | N/A |
| | | | | | | |
| Surface Pt. 5 | 31.6 | 11.7 | 2.70 | 9.76 | 26352 | 33.1 |
| Pt. 5 @ 6" | 30.2 | 11.9 | 2.54 | 2.05 | 5201 | 6.6 |
| Pt. 5 @ 1' | 30.9 | 11.5 | 2.69 | 0.27 | 725 | 1.7 |
| Pt. 5 @ 1.5' | 30.6 | 11.5 | 2.66 | 0.35 | 931 | 2.9 |
| Pt. 5 @ 2' | 30 | 11.6 | 2.59 | 0.42 | 1086 | 3.8 |
| | | | | | | |
| Surface Pt. 6 | 30.3 | 18.2 | 1.66 | 16.58 | 27594 | 99.3 |
| Pt. 6 @ 6" | 30.9 | 11.3 | 2.73 | 5.27 | 14406 | N/A |
| Pt. 6 @ 1' | 31.1 | 10.3 | 3.02 | 0.14 | 423 | 4.4 |
| | | | | | | |
| Surface Pt. 7 | 30 | | 1.84 | 20 | 36798 | 52.8 |
| Pt. 7 @ 6" | 30 | 10.3 | 2.91 | 5.44 | 15840 | N/A |
| Pt. 7 @ 1' | 30.1 | 11.3 | 2.66 | 0.87 | 2317 | 2.9 |





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

Analytical Results For:

APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425 RECEIVED

MAY **04** 2011

NMOCD ARTESIA

Received:

04/27/2011

Sampling Date:

04/25/2011

Reported:

05/02/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S EXC W CENTER BTM @ 4.5' (H100867-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | BS | | | | |
|-------------------------------------|-------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2 00 | 2 61 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate 4-Bromofluorobenzene (PIL | 94 0 % | 6 70-130 | | | - | | | | |
| Chloride, SM4500Cl-B | oride, SM4500Cl-B mg/kg | | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | · | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | 10.9 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 100 % | 6 70-130 | | | | ., | | | |
| Surrogate 1-Chlorooctadecane | 96 0 % | 6 70-130 | | | | | | | |

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Celes Liteense



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Received:

04/27/2011

Sampling Date:

04/25/2011

Reported:

05/02/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S EXC E CENTER BTM @ 4.5' (H100867-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|--------------|-----------------|---------------|-----------------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2 03 | |
| Toluene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 0.050 | | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 0.150 | | 04/29/2011 ND | | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 95.6 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | . mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Analyzed Method Blank | | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 100 % | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 105 % | 70-130 | | | | | | | |

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Received:

04/27/2011

Sampling Date:

04/25/2011

Reported:

Soil

05/02/2011

Sampling Type:

Cool & Intact

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition: Sample Received By:

Jodi Henson

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sample ID: S EXC S CENTER BTM @ 4.5' (H100867-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|--------------|-----------------|-----------------------|--------------|------|------------|---------------|------|---------------------------|
| Analyte | , | | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 0.050 | | 04/29/2011 | ND 2.14 | | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 0.150 | | 04/29/2011 ND | | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 95.4 | % 70-130 |) | | | | | | ************************* |
| Chloride, SM4500CI-B | mg/kg | | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed Method Blank | | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: ck/ | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 917 | % 70-130 | | <u></u> | | | | | |
| Surrogate 1-Chlorooctadecane | 96.3 | % 70-130 | | | | | | | |

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Received:

04/27/2011

Sampling Date:

04/25/2011

Reported:

05/02/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S EXC N CENTER BTM @ 4.5' (H100867-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|-------------------------------------|--------------|-----------------|-----------------------|--------------|------|--------------|---------------|----------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 2.00 2.6 | | 2.61 | |
| Ethylbenzene* | <0.050 0.050 | | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 0.150 | | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate 4-Bromofluorobenzene (PIL | 93.9 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | <u>-</u> | |
| Analyte | Result | Reporting Limit | Analyzed Method Blank | | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | | - <u></u> |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 97 8 : | % 70-130 | | | | | | | |
| Surrogate. 1-Chlorooctadecane | 102 9 | % 70-130 | | | | | | | |

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APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/27/2011

Sampling Date:

04/25/2011

Reported:

05/02/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S EXC N WALL (H100867-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|-------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 91.2 9 | % 70-130 | | | | | | | |
| Chloride, SM4500Cl-B | oride, SM4500Cl-B mg/kg | | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 97.9 | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 101 % | 6 70-130 | | | | | | | |

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APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/27/2011

2011

Sampling Date:

04/25/2011

Reported:

05/02/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S EXC W WALL (H100867-06)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | RC | | · · · · · · · · · · · · · · · · · · · | | |
|-------------------------------------|--------------|-----------------|----------------------|--------------|------|---|---------------------------------------|--------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0.050 0.050 | | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 0.050 | | 04/29/2011 ND | | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 0.150 | | 04/29/2011 ND | | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate 4-Bromofluorobenzene (PIL | 94 6 | % 70-130 |) | | | *************************************** | | | |
| Chloride, SM4500Cl-B mg/kg | | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed Method Blan | | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: ck/ | | | | | ···· |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 10.0 | | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 88.1 | % 70-130 |) | | | | | ************ | |
| Surrogate 1-Chlorooctadecane | 86 4 | % 70-130 |) | | | | | | |

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APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received:

04/27/2011

Sampling Date:

04/26/2011

Reported:

Sampling Type:

Soil

05/02/2011

Project Name:

RED FEDERAL WATER STATION AD NONE GIVEN

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

Project Number:

Project Location:

NOT GIVEN

Sample ID: S EXC S WALL (H100867-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | <u></u> |
|-------------------------------------|---------------|-----------------|---------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0 050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 2.00 | | 2.61 | |
| Ethylbenzene* | <0.050 0.050 | | 04/29/2011 ND | | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 0.150 | | 04/29/2011 ND | | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate 4-Bromofluorobenzene (PIL | 94 5 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyze | d By: HM | | | | _ | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | ···· | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate. 1-Chlorooctane | 87 9 % 70-130 | | | | | | | | |
| Surrogate 1-Chlorooctadecane | 915 | % 70-130 | ı | | | | | | |

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Celey Eterne



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received:

04/27/2011

Sampling Date:

04/26/2011

Reported:

Sampling Type:

Soil

Project Name:

05/02/2011

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S EXC E WALL (H100867-08)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | BS | | | | |
|--------------------------------------|--------------|-----------------|---|--------------|------|--------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.14 | .14 107 2.00 | | 1.81 | |
| Total Xylenes* | <0.150 0.150 | | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate: 4-Bromofluorobenzene (PIL | 92.4 % | % 70-130 | *************************************** | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | · | | | |
| Analyte | Result | Reporting Limit | Analyzed Method Blank | | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 04/29/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | | <u>-</u> |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRQ >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND . | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 92.7 9 | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 99 7 9 | % 70-130 | | | | | | | |

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*=Accredited Analyte

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Celeg L'Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories

*=Accredited Analyte

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Celeg E Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name | - Apacite | | | | | L | BILL TO | | | | | | | / | ANAL | YSIS | RE | QUE | ST | | | | | | |
|--|--------------------------------------|--------|----------------|--------------------|------------------|-----------------------|--|-----------------------|-----------------------------------|--|--|------------|--------------|----------|----------------|-----------------|----------|-----|-----|---|----------|--------------|---|----|--|
| Project Manage | r: Natalie Gladden | | | | | | | P.C |). #: | | | | | | | | | | | | | | | | |
| Address: | | | | | | | | Cor | mpar | ny: | | | | | | | | S | | | | | | | |
| Cit <u>y:</u> | State: | NM Z | p: | | | | | Att | <u>n:</u> | ······ | | | | | [| | | jo | | | | | | | |
| Phone #: | Fax #: | | | | | | | Adı | dress | s: | | | | | | | | ٦ | | | | | | | |
| Project #: | Project (| Owner: | | | | | | City: | | | | <i>(</i> 0 | Σ | | エ | //S | | | | | | | | | |
| Project Name: | Red Federal Water Station | | | | | | | State: Zip: | | | | ě | 5 | × | ТРН | Cations/Anions | | | | | | | | | |
| Project Locatio | n: | | | | | | | Phone #: | | | | Ξ | 801 | Į į́й | S | ati | TDS | | | | | | | | |
| Sampler Name: | | | | | | Fax | x #: | | | | | Chlorides | 2 | BTEX | exas | Ö | \vdash | | , , | | , ' | | | | |
| Sampler Name: Jordan Woodfin FOR LAB USE, ONLY Lab I.D. Sample I.D. MATRIX WASTEWATER WASTEWATER NOO IIII IIII IIIIIIIIIIIIIIIIIIII | | | | SLUDGE | _ | ACID/BASE | | | DATE | ng T ime | Ö | HAL | | Tex | Complete | | | | | | | | | | |
| HILDS61-1 | South Excavation West Center Bottom | @ 4 5 | 1 | | ✓ | | | | , | / | | /25/11 | 11:00 | ✓ | ✓ | ✓ | | | | | | | | | |
| 2 | South Excavation East Center Bottom | @ 4 5 | 1 | | _ < | ' | | | , | / | 4 | /25/11 | 11.05 | ✓_ | 1 | ✓ | | | | | |] | | L] | |
| 3 | South Excavation South Center Buttom | @ 4 5' | 1 | | - ✓ | | <u> </u> | | | / | 4 | /25/11 | <u>11 10</u> | <u> </u> | 1 | ✓ | | | | | | | | | |
| 14 | South Excavation North Center Bottom | @ 4 5' | _ 1 | - | _ _/ | | | | <u> </u> | <u>/</u> . | | /25/11 | 11.15 | | 1 | | | | ļ | | <u> </u> | | | | |
| 5 | South Excavation North Wall | | 1 - | | | + | | | | | ~ | /25/11 | 03:00 | <u> </u> | L | 1 | - | | | | ļ ' | | | | |
| <u>\o</u> | South Excavation West Wall | | $-\frac{1}{1}$ | - | | , | | | - - | /- | - | /25/11 | 03:15 | - | | 1 | <u></u> | | | | | | | | |
| | South Excavation South Wall | — | - - | - | - 1 | ; | 1 | | - ` | <u> </u> | | /26/11 | 09:00 | <u> </u> | <u> </u> | | | | | | | ¹ | | | |
| <u>2</u> . | South Excavation East Wall | | | | - • | - - - | | | | | - -4 | | 09:30 | <u> </u> | _ <u>*</u> | | - | | | - | | | - | | |
| PLEASE NOTE: I habitily and Danagos. Cardinal's Labitily and clients exclusive remedy for any chain a lang whicher based in or analyses. All claims including those for negligence and any other cause whalsoever shall be deemed waved unless mark in write service. In no event shall Cardinal be labtle for incubers of consequented damages industing without Instation issueness interrupt utilisations out consciously and out of including the performance of services precurged by Cardinal regardless of whether such Relinquished By: Date: | | | | ng rand Hons la | १५८.१५ १० हरू | ived by t Luse or | Cardina Toss of | af within a prof s | n 30 days afte s incurred by o | r completion of the distribution of the distri | he applica ares sult: lt: S: | □ Ye | | | Add'l Add'l | Phone Fax #: | #: | | _ | | | | | | |
| Neimquisited-p | y: Date: | alm l' | vege | 169 | _ y . | , | 1 | | | | | | email | 1621 | มเอ | | | | | | | | | | |

| annuales of successions airsing out of of feta eo to the partornamee t | of services herear yet by Caronial regardless of whether add relations based up: | Sit any of the above stated reasons of continue |
|--|--|---|
| Relinguished, By: | Date: Received By: | Phone Result: Yes No Add'l Phone #: |
| 1 m | 1111111 | Fax Result: 🔲 Yes 🖾 No Add'l Fax #: |
| | Time: 7,30 - | REMARKS: |
| · · · · | 11.50 | .) |
| Relinguished By: | Date: Received By: | email results |
| | Date: Received By: | 1 |
| | Time // //: /// | \(\lambda_{\infty}\) \(\lambd |
| The same and the s | Toin black with | $\lambda 1 \nu \varphi / \lambda$ |
| Delivered By) (Circle-One) | Sample Condition | CHECKED BY: Zconder@rice-ecs.com; Bbaker@rice-ecs.com; |
| Dentizied By (Single Sine) | Cool Intact | |
| Sampler - UPS - Bus - Other: | - Q D Tyes Tyes | hconder@rice-ecs.com; Lweinheimer@rice-ecs.com |
| Samplet - St O - Bus - Callet. | No No | CLON . |
| | | |

#26

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



May 02, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: RED FEDERAL WATER STATION AD

Enclosed are the results of analyses for samples received by the laboratory on 04/27/11 8:05.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & 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



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

RECEIVED

MAY 04 2011

NMOCD ARTESIA

Received:

04/27/2011

Reported:

05/03/2011

Project Name: Project Number: RED FEDERAL WATER STATION AD

Project Location:

NONE GIVEN

Sampling Date:

Sampling Date:

04/26/2011

Sampling Type:

Soil

Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: N EXC W CENT BTM @ 4.5' (H100868-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | · | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 93.8 | % 70-130 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate, 1-Chlorooctane | 96 3 | % 70-130 | | | | | | ************************************** | |
| Surrogate 1-Chlorooctadecane | 97 2 | % 70-130 | | | | | | | |

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*=Accredited Analyte

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Celeg Ditiene



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Received:

04/27/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: N EXC MDL CENTER BTM @ 4.5' (H100868-02)

| BTEX 8021B | mg/ | /kg | Analyze | d By: CMS | | | | | |
|-------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate 4-Bromofluorohenzene (PIL | 94 6 | % 70-130 |) | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: ck/ | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 102 ! | % 70-130 |] | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 9 | % 70-130 | 1 | | | | | | |

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Received:

04/27/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Type: Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: N EXC E CENT BTM @ 4.5' (H100868-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6 00 | 1.82 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 94.8 | % 70-130 | 1 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1 11 | |
| Surrogate 1-Chlorooctane | 90 7 : | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 91.6 | % 70-130 | | | | | | | |

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*=Accredited Analyte

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Celey D. Keine



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received:

04/27/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sample Received By:

Jodi Henson

Sample ID: N EXC N WALL (H100868-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|--|---|---------------------------------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1 82 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 97.0 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 88 8 ! | % 70-130 | | | | | and the state of t | *************************************** | · · · · · · · · · · · · · · · · · · · |
| Surrogate 1-Chlorooctadecane | 82 8 5 | % 70-130 | | | | | | | |

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Celey E. Keene



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/27/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jod: Henson

Project Location:

NOT GIVEN

Sample ID: N EXC S WALL (H100868-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0 050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | < 0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 96.0 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | <u></u> | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: ck/ | | | | - 4 | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 04/30/2011 | ND | 214 | 107 | 200 | 2.00 | |
| DRO >C10-C28 | <10.0 | 10.0 | 04/30/2011 | ND | 180 | 90.1 | 200 | 1.11 | |
| Surrogate 1-Chlorooctane | 93 9 | % 70-130 | | | | | | | |
| Surrogate. 1-Chlorooctadecane | 98 1 | % 70-130 | | | | | | | |

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*=Accredited Analyte

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Celey & Keine



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** 394-2425 Fax To:

Received:

04/27/2011

Sampling Date:

04/26/2011

Reported:

Soil

05/03/2011

Sampling Type:

Cool & Intact

Project Name: Project Number: RED FEDERAL WATER STATION AD NONE GIVEN

Sampling Condition: Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: N EXC E WALL (H100868-06)

| BTEX 8021B | mg, | /kg | Analyze | d By: CMS | | | | | |
|-------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 105 | 2.00 | 2.03 | |
| Toluene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.11 | 106 | 2.00 | 2.61 | |
| Ethylbenzene* | <0.050 | 0.050 | 04/29/2011 | ND | 2.14 | 107 | 2.00 | 1.81 | |
| Total Xylenes* | <0.150 | 0.150 | 04/29/2011 | ND | 6.33 | 106 | 6.00 | 1.82 | |
| Surrogate 4-Bromofluorobenzene (PIL | 94.7 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/02/2011 | ND | 183 | 91.7 | 200 | 6.63 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/02/2011 | ND | 190 | 95.2 | 200 | 9.96 | |
| Surrogate: 1-Chlorooctane | 97 2 | % 70-130 | • | | | | | | |
| Surrogate 1-Chlorooctadecane | 106 | % 70-130 | | | | | | | |

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alex Driene



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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*=Accredited Analyte

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Celeg & Keene

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name | ¹ Apache | | BILL TO | | | | | 1 | NAL | YSIS | RE | QUES | T | | | |
|---|--|--|---|--|--------------|----------------|----------------|---|----------------|-------------------|------|------|-------|-------|----|---|
| Project Manage | r: Natalie Gladden | | P.O. #: | | | | | | | | | | | | | |
| Address: | | | Company: | | | | | | ည | 1 | ļ | | | l | ı | |
| City: | State: NM | Zip: | Attn: | | ļ | l | | | <u>.</u> | | | | | | | |
| Phone #: | Fax #: | | Address: | | Ì | | | İ | 뒤 | | | | | | | 1 |
| Project #: | Project Owner | • | City: | | (0) | Σ | ŀ | ェ | 1/8 | | | 1 | | Ì | | |
| Project Name: I | Red Federal Water Station | | State: Zip: | | Chlorides | 8015 | \times | TPH | Cations/Anions | | . | | ŀ | | 1 | 1 |
| Project Location | n: | | Phone #: | | Ë | စ္ကါ | BTEX | ·σ | ati | TDS | | | | | | |
| Sampler Name: | Jordan Woodfin | | Fax #: | | 걸 | $\tilde{\tau}$ | <u>ا</u> | exas | i | ⊢ | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER OTHER OTHER | NG TIME | O | TPH | | Te | Complete | | | | | | | |
| HIDDOUSS-1 | North Excavation West Center Bottom @ 4.5' | 1 . 🗸 | √ 4/26/11 | 11.00 | ✓ | ✓ | ✓ | | | | | | | | | |
| 2 | North Excavation Middle Center Bottom @ 4.5' | 1 1 | ✓ | 11:05 | √ | _ | ✓. | | | | | | | | | |
| <u> </u> | North Excavation East Center Bottom @ 4 5' | | | 11:10 | <u> </u> | | <u> </u> | | | | | | | | | |
| <u> </u> | North Excavation North Wall | | | <u>11·30</u> | √ | | | | | | | | | | | |
| 5 | North Excavation South Wall | 1 / | | 11.40 | - | | - / | | | | | | | | | |
| 10 | North Excavation East Wall | │ ─┃╴┃─┼─┼─┼ | | 11:50 | | · • | | | | | | | | | | |
| | Manager and Addition of the Ad | | | | | | | | | | | | | _ | | |
| | | | | _, _, | | - | | - | | | | - | | | | |
| analyses All claims includ service in no event shall C | in the mages. Cardii als liability and clients exclusive remecy for a ing shose for negligence and any other cause wholsower shall be larernal be habe for incidental or consequental damages, including ing out proventigate to the performance of services percender by C | deemed worved unless made in wiring a without finitation business interruption. | ind received by Cardinal within 30 days affe toss of use, or loss of profits incurred by | er completion of the client its subsidiar | e applicut | жc | | *************************************** | | | | | | | | |
| Relinquished B | V: Date 17/11 | Received By: | A SALE OF THE PROPERTY OF THE | Phone Res Fax Result REMARKS | :: | □ Yes | | | Add'l I | Phone : Fax #: | #: | | | | ~ | |
| Relinquished B | y: Date: 112 1111 Time: 155 | Received By: | LUDUL. | email r Natali Zcond | e.G | ladd | | | | | | | | ım; | | |
| | - Bus - Other: | Cool Intact | es (Initials) | hcond | er@ | rice- | -ecs. | com | ; Lw | einh | eime | er@r | ice-e | ecs.c | om | |

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



May 03, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: RED FEDERAL WATER STATION AD

Enclosed are the results of analyses for samples received by the laboratory on 04/27/11 8:05.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celly To Keene

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



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

Analytical Results For:

APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425 RECEIVED

MAY **04** 2011

NMOCD ARTESIA

Received:

04/28/2011

Sampling Date:

04/27/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: NW EXC N CTR BTM @ 4.5' (H100877-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7 07 | 118 | 6.00 | 3.80 | |
| Surrogate, 4-Bromofluorobenzene (PIL | 93 2 | % 70-130 |) | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| трн 8015м | mg/ | 'kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 183 | 91.7 | 200 | 6.63 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 190 | 95.2 | 200 | 9.96 | |
| Surrogate 1-Chlorooctane | 88.6 | % 70-130 |) | | | | | | |
| Surrogate 1-Chlorooctadecane | 100 | % 70-130 |) | | | | | | |

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*=Accredited Analyte

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Celeg E Keene



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/27/2011

Reported:

Sampling Type:

Soil

05/03/2011

Sampling Condition:

Cool & Intact

Project Name:

RED FEDERAL WATER STATION AD

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: NW EXC MIDDLE CTR BTM @ 4.5' (H100877-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | · | | |
|-------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|---|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 94.5 | % 70-130 | 1 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | kg | Analyze | d By: AB | · | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 183 | 91.7 | 200 | 6.63 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 190 | 95.2 | 200 | 9.96 | |
| Surrogate 1-Chlorooctane | 108 | % 70-130 | | | | | | *************************************** | |
| Surrogate 1-Chlorooctadecane | 120 | % 70-130 | • | | | | | | |

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Celey Liteens



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/28/2011

0/2011

Sampling Date:

04/27/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: NW EXC S CTR BTM @ 4.5' (H100877-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | <u></u> | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|--------------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7 07 | 118 | 6.00 | 3.80 | |
| Surrogate: 4-Bromofluorobenzene (PIL | 93.3 | % 70-130 |) | | | | design on continue | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 183 | 91.7 | 200 | 6.63 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 190 | 95.2 | 200 | 9.96 | |
| Surrogate 1-Chlorooctane | 87 6 | 70-130 |) | | | - | | | |
| Surrogate 1-Chlorooctadecane | 97.8 | % 70-130 |) | | | | | | |

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Celay Di Keena



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** 394-2425 Fax To:

Received:

04/28/2011

Sampling Date:

04/27/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: NW EXC N WALL (H100877-04)

| BTEX 8021B | mg/l | (g | Analyze | d By: CMS | | | | | |
|-------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | < 0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorohenzene (PIL | 911% | 6 70-130 | | | | | | | |
| Chloride, SM4500Cl-B | mg/l | (g | Analyze | d By: HM | | | | | _ |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1120 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/l | (g | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 183 | 91.7 | 200 | 6.63 | |
| DRO >C10-C28 | <10 0 | 10.0 | 05/03/2011 | ND | 190 | 95.2 | 200 | 9.96 | |
| Surrogate 1-Chlorooctane | 102 % | 70-130 | | | , | | , | | |
| Surrogate 1-Chlorooctadecane | 113 % | 70-130 | | | | | | | |

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*=Accredited Analyte

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Celey D. Keine



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/27/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: NW EXC EAST WALL (H100877-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|-------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5 27 | |
| Toluene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6 00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 916 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3640 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND · | 183 | 91.7 | 200 | 6.63 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 190 | 95.2 | 200 | 9.96 | |
| Surrogate. 1-Chlorooctane | 88.6 | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 101 5 | % 70-130 | | | | | | | |

Cardinal Laboratories ·

*=Accredited Analyte

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Celeg Li Keena



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received: Reported: 04/28/2011

05/03/2011

Project Name: RED FEDERAL WATER STATION AD

Project Number: Project Location:

NONE GIVEN

NOT GIVEN

Sampling Date:

Sampling Type:

04/26/2011

Soil

301

Sampling Condition: Sample Received By: 'Cool & Intact

Jodi Henson

Sample ID: NW EXC SOUTH WALL (H100877-06)

| BTEX 8021B | mg, | /kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate. 4-Bromofluorobenzene (PIL | 92.7 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: AB | | * | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 183 | 91.7 | 200 | 6.63 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 190 | 95.2 | 200 | 9.96 | |
| Surrogate: 1-Chlorooctane | 105 | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 117 | % 70-130 | l | | | | | | |

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*=Accredited Analyte

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Celay D. Keine



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: NW EXC WEST WALL (H100877-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | <u> </u> | | |
|-------------------------------------|---------|-----------------|------------|--------------|--------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2 00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 90.5 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9 21 | |
| Surrogate 1-Chlorooctane | 81 0 | % 70-130 | | | | W-2010 | | | |
| Surrogate 1-Chlorooctadecane | 85.4 | % 70-130 | | | | | | | |

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*=Accredited Analyte

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Celeg L' Keine



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg & Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Mailand, Hobbs, NM 88240 2411 Beechwood, Abdene 4X 79603 (505) 393-2326 FAX (505) 393-2110 (525) 673-7001 FAX (325)673-7020

| Company Name | Anacha Corp | | • | | } | BI | L TO | | | | | | MIM | XSIS | REG | GUES | à l | | | 1 |
|--|--|-------------------|------------------------|--|-----------------------|---|--|--|------------------|----------|--------------|------|----------|----------------|-------------------|------------|-----|---------|-----------------------|----|
| Project Manage | f [Hatalia Gladden] | | | | 2 | , ,, | | | | | | | .: | 1 | | 504.44.44 | | | | 46 |
| Addiese. Again | die corp | | | | Co | inpal , | | | | • | | | u) | | | | | | | |
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| Phone # | fa:# | _ | | | الشأ | 1:283 | | | | 4 | | | Anior | | | | | | | |
| rioject# | Project Gwne. | | | | <u>Gii</u> | · | | | G_{I} | [≥ | | II | 5/7 | | | | | | l | |
| Project Name | Red Federal Water Stat | ion | | | Sia | ile | Zip | | Län | 10 | × | | ations/ | | | | 1 | | 1 | į |
| Project Location | 0 | | | | 2h | one # | | · | Ħ | 9 | | (1) | (5) | DS | | | | | | |
| | Jordan Woodfin | | . No death | AND THE RESERVE THE ADMINISTRAL PROPERTY. | Fa | x # | Carama da had d da | | hlorid | PH 801 | 00 | өхаг | O | | | | | 1 | Ì | |
| Lab I.D. | Sample LD. | ARSO(C) YO SIVEON | IF RUNIONTES | 667,000 WALE P WALE BY | OTHER. | ACIDAMGE. 13 105 / COO / SOI 105 / | SAMP! | TILIE | | | | (1) | Complete | mar at same | Process agreement | | | | 1286 an Shirikin kana | |
| HIDD8TI-I | NW Excavation North Comer Bom @4.5 | 5 | 1 | | · | 1/ | 4-27-1 | 119:00 | 1 | سين [| سسا | ! | | <u> </u> | | ! | | <i></i> | | |
| 1 2 | WWExervation Middle LONG Bon By5' | G | <u> </u> | | | | | 9:05 | سا | سيدا | | | | | | | | | | |
| | WW Excavation South Center Born @ 4,5 | G | Įį. | <u></u> | | | 4.27.11 | | سِي. | - | | | | | | | - | | | |
| | NW Excusion North Well | | 1 | / / / / / / / / / / / / / / / / / / / | _: | | | 9:15 | 1 | سيدا | - | | | | | | | | | |
| | NW Excuston East Wall Com | | . ′ | | | | 4.27.11 | | سينا. | 1 | | | | | | | | | | |
| | WW Excavation South Wall | | - - | | | | 4-28/1 | | سيدا | | | ¦ | | | | | | | | |
| | NW Excalation West Well | 12 | 1. | 1-1-1- | | | 4-20-11 | 3:50 | - | | 1 | | | | | | | | | |
| | | | - - | | -, | | | | -} | | - | i | | | | | | | | |
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| Delivered By | / (Circle One) | | | Estaple can | | | (क्वी) छ४ - | Heon | - | | | | | | - | | | 拼门 | | į |
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Sampler UPS - Bus - Office Tres (4 Tes)

[Cardinal cannot recept verbal changes Please for vinder changes to 505-353-31/3

#26



May 03, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: RED FEDERAL WATER STATION AD

Enclosed are the results of analyses for samples received by the laboratory on 04/28/11 8:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & 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



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

RECEIVED

MAY **04** 2011

NMOCD ARTESIA

Received: Reported: 04/28/2011

05/03/2011

Project Name: Project Number: RED FEDERAL WATER STATION AD NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

04/26/2011 Soil

Cool & Intact

Jodi Henson

Sample ID: CENTER EXC E CENT BTM @ 3.5' (H100878-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|-------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 91.1 | % 70-130 | 1 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BŞ | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9.21 | |
| Surrogate. 1-Chlorooctane | 56 4 | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 62 5 | % 70-130 | • | | | | | | |

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Celeg To Keine



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: CENTER EXC MDL CENT BTM @ 3.5' (H100878-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | · | | |
|-------------------------------------|---------|-----------------|------------|--------------|-----------|------------|---------------|--------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 93 0 9 | % 70-130 | | | | | - | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | ···· | | . | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9.21 | |
| Surrogate. 1-Chlorooctane | 61.65 | % 70-130 | | | 2,004,000 | | | | |
| Surrogate 1-Chlorooctadecane | 76.2 9 | % 70-130 | | | | | | | |

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APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: CENTER EXC W CENT BTM @ 3.5' (H100878-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|-------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|---------------------------------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2 00 | 5.27 | |
| Toluene* | <0 050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 93.5 | % 70-130 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | · · · · · · · · · · · · · · · · · · · |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9.21 | |
| Surrogate. 1-Chlorooctane | 75 2 | % 70-130 | | | | | | | |
| Surrogate 1-Chlorooctadecane | 75 7 | % 70-130 | | | | | | | |

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*=Accredited Analyte

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Celey & Keena



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: CENTER EXC NORTH WALL (H100878-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|--------------|---------------------------------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | < 0.050 | 0.050 | 05/02/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/02/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/02/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate: 4-Bromofluorobenzene (PIL | 89.9 % | 6 70-130 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | · · · · · · · · · · · · · · · · · · · |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | В\$ | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16 0 | 05/02/2011 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9.21 | |
| Surrogate 1-Chlorooctane | 82 2 % | 70-130 | | | | | + | | |
| Surrogate 1-Chlorooctadecane | 89 4 9 | 70-130 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 EUNICE NM, 88231 Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/26/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: CENTER EXC WEST WALL (H100878-05)

| BTEX 8021B | mg/ | /kg | Analyze | d By: CMS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 05/03/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | <0.050 | 0.050 | 05/03/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2011 | ND | 2.39 | 119 | 2 00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate: 4-Bromofluorobenzene (PIL | 917 | % 70-130 | | | | | | | |
| Chloride, SM4500Cl-B | _mg/ | /kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 05/02/2011 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: AB | _ | · | · | | . <u> </u> |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9.21 | |
| Surrogate 1-Chlorooctane | 70.8 | % 70-130 | | | | | | | |
| Surrogate. 1-Chlorooctadecane | 82 3 | % 70-130 | | | | | | | |

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*=Accredited Analyte

PLEASE NOTE Liability and Damages Cardinal's liability and client's exclusive remedy for any claim ansing, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the appliciable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its successions affisiance or successions affisiance or successions affisiance or successions affisiance or limitation, business interruptions, loss of use, or loss of profits incurred by client, its successions affisiance or successions affisiance

Celeg D. Keine



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

Received:

04/28/2011

Sampling Date:

04/27/2011

Reported:

05/03/2011

Sampling Type:

Soil

Project Name:

RED FEDERAL WATER STATION AD

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

Sample Received By:

Jodi Henson

NOT GIVEN

Sample ID: CENTER EXC EAST WALL (H100878-06)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | | |
|-------------------------------------|---------|-----------------|------------|--|------|------------|---------------|----------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.050 | 0.050 | 05/03/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | < 0.050 | 0.050 | 05/03/2011 | ND | 2.38 | 119 | 2.00 | 5.3 5 · | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 92 0 5 | 70-130 | | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 05/02/2011 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9.21 | |
| Surrogate 1-Chlorooctane | 79 4 9 | % 70-130 | | ************************************** | | | | | |
| Surrogate, 1-Chlorooctadecane | 97.6 | % 70-130 | | | | | | | |

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*=Accredited Analyte

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

Celey & Keene



Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature

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

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

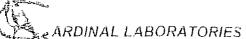
Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE Liability and Damages Cardinal's hability and clerk's exclusive remedy for any clams amang, whether based in contract or tort, shall be limited to the amount paid by client (or analyses All clarins, including those for negigence and any other cause whistosever shall be deemed warved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service in no event shall Cardinal be lable for inodental or consequential damages, including, without limitation, business interruptors, loss of use, or loss of profits incurred by clerk rise.

Cardinal within thirty (30) days after completion of the applicable service in no event shall Cardinal be lable for inodental or consequential damages, and clerk rise and contract or tort, shall be limited to the performance of the services hereunder by Cardinal, regardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey Externe



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

10) East Mailand, Hobbs Nil 88240 2111 Beechwood, Abilene 1X 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

| Company Name: | Apache Co.p | | | | | | Ĺ | ******* | BI | LLTO | | | | | 1 | ALIAL | YSIS | REC | QUES | Τ̈́ | | | |
|--|---|------------------------|----------------------------------|------------|---------------------|-----------------------|-----------------------|----------------------------|---------------------|---|--|----------------------------|-------------------|----------|--------|----------------|------|------------|------|------------|-----------|----------------------|---|
| Floject Manager | Natalie Gladiteii | | | | | | P 0. | 1. 11 | | PORTOT TOTAL | | Trans. | Table of the last | | | 1 | | | | | UT STREET | | |
| -ddress: Apac | | | | | _ ~ | | Cor | inpair | 17 | | | | | | | ည | | | | | | | |
| City | State PIN | 240 | | | | | Atti | <u>a.</u> . | | | | Ì | | | | noin | | | | | | | 1 |
| Plione # | Fax# | ~ ~~ | | | | | Au. | hess | s: | | | | | 1 | | 75. | | | | | | | 1 |
| : <u>'19ieci #</u> | Project Owner | | | | | | City | ř | | ·- · | | S | `∑ | | U T | 1/81 | | | | | | | j |
| Project Name | Rad Federal Water Station | | | | | | Stat | .te | - | Ζίμ. | | 0 | 10 | \times | U | 5 | | | į | , | | | J |
| Project Location | recommendate about the commencer of the comment of the company of the comment of | | | | | | Pho | one # | # | | | 1 🗧 | 801 | | S | atio | DS | | | , | | | 1 |
| Sampler Name | Jordon Wood fin | | and the second second | | | | fax | _ | | | anis dan bankilanda anisa | Chlorid | 표 | m | Xas | $ \circ $ | 1- | | | , | | | 1 |
| Lab I.D. | Sample I.D. Center Excavation East Come Brom @35' | COPPACE OF COOM | - (# CONTAINAINA GROUNDWATEL | VAIEP | JOS OIL | | | ACIDIBASE BEST LOCAL TOTAL | NOT 45R | DATE 426-11 | TIME | · · | d L | | (A) | Complete | | | | | | No. at the Milliants | |
| | Cease Excavation Middle land Bon @ 3.5' | 6 | - 1 | -1 | - | - | | 1 | | 4-26-11 | | 1 | سيارا | 1 | | | | | | | | | |
| | Centre Erroughing West Centre Brm @ 3.5 | 6 | 11. | +-1 | 1 | j- | | - | | 4-26-11 | | 1. | - | 1 | | | | | | | | | } |
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| 5 | Conto Excauction WestWall | Gi | i i | | - | | | 1 | ~ | 4-26-11 | | / | | سن | | | | | | | | | |
| | Coster Excavation East Well and | 6 | | | اسا | | | | | 427-11 | | 1/ | - | 1 | | <u> </u> | | | | | | | |
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| Relinquished B | Time | Red | elved | i By | | ′ | | | | | ernail zcond | der((| Эпсе | | | | | | | | | com | |
| Delivered By | (Circle One) | . 117) | | | iple C | | | (| | KED BY | Hoond Matah | | - | | | | | | | OS CO | 111 | | |

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



May 03, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: RED FEDERAL WATER STATION AD

Enclosed are the results of analyses for samples received by the laboratory on 04/28/11 8:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & 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



APACHE - EUNICE NATALIE GLADDEN P. O. BOX 1849 **EUNICE NM, 88231** Fax To: 394-2425

RECEIVED

MAY **04** 2011

NMOCD ARTESIA

Received:

04/28/2011

05/03/2011

Reported: Project Name:

RED FEDERAL WATER STATION AD

Project Number:

NONE GIVEN

Project Location:

NOT GIVEN

Sampling Date:

04/27/2011

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: N EXC WEST WALL (H100879-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: CMS | | | | ···· | |
|-------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | < 0.050 | 0.050 | 05/03/2011 | ND | 2.34 | 117 | 2.00 | 5.27 | |
| Toluene* | < 0.050 | 0.050 | 05/03/2011 | ND | 2.38 | 119 | 2.00 | 5.35 | |
| Ethylbenzene* | <0.050 | 0.050 | 05/03/2011 | ND | 2.39 | 119 | 2.00 | 3.95 | |
| Total Xylenes* | <0.150 | 0.150 | 05/03/2011 | ND | 7.07 | 118 | 6.00 | 3.80 | |
| Surrogate 4-Bromofluorobenzene (PIL | 91.69 | % 70-130 | | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 2720 | 16.0 | 05/02/2011 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: AB | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C10 | <10.0 | 10.0 | 05/03/2011 | ND | 187 | 93.5 | 200 | 3.03 | |
| DRO >C10-C28 | <10.0 | 10.0 | 05/03/2011 | ND | 189 | 94.7 | 200 | 9.21 | |
| Surrogate 1-Chlorooctane | 93 9 9 | % 70-130 | <u> </u> | | | | | | |
| Surrogate 1-Chlorooctadecane | 1189 | 6 70-130 | l | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celey Ditiene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celeg & Keene

ARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Aprilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (1325) 673-7001 FAX (325)673-7020

| Company Name Apache Corp | | | | | | | | BILL TO | | | | | | ANALYSIS REQUEST | | | | | | | | | | | |
|---|---|--------------------|-----------------|--------------|--------------|--|-----------|------------------------|----------|----------|------------|---|---|---|---------------------------------------|-----------|-----------|--|--------------|----|------------------|-----------------------|--|-------------------|--|
| Project Manager - Matalie Gladuen | | | | | | | | P.C |). #: | | C-174, FRQ | MANAGE VICENCE | NEW TOTAL C | | | | 2.11.2014 | S | | | AND APPEALANCE A | | - Commercial Commercia | | ********* |
| Address Apacha Corp | | | | | | | | Cor | npa | шу | | | | | 1 | | | | | | | | Ì | 1 | |
| uity | y State Ni.1 Zip | | | | | | | | 11. | | | | | | | | | Anions | | | | | | | |
| Phone # | fax# | | | | | | | Address | | | | | | | | | | | | | | | | | |
| Sioleci 4 | Project Owner | | | | | | | City- | | | | | | (A) | .≥ | | 正 | Sil | | | | | | | |
| Project Hame Rad Federal Water Station | | | | | | | | State [,] Zip | | | | | | 0 | 8015 | × | | Ö | | | | | | | |
| Project Location: | | | | | | | ·:- | Phone #. | | | | | | ř. | l è | | (i) | ations/ | DS | | | | | | |
| Sampler Hame Sordan Wood fin | | | | | | | | Fax# | | | | | aceraland abandonia | Chlorid | L L | m | ехаз | O | ļ ¦ | 1 | | | | | |
| Lab I D. | Sample I.D. | > (GIEAE OF (C)ONP | - IF CONTAINERS | IOROUNDWATER | ૠ | ATRI | | Отнея. | | | | DATE | TIME | | | | T | Complete | | | | | | SON E-ACHO SCHELL | د کند الله الله الله الله الله الله الله الل |
| H-1000 H-1 | North Excavation West Wall | <u>()</u> | ۲. | | | 1 | | | | - | | 4-27-11 | 2:00 | 1 | | 1 | | <u> </u> | | ·\ | | | | | ······ |
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| Relinguished By Date Rejerved By. | | | | | | | | eı | | | | | email | nail results | | | | | | | | | | | |
| Tane: | | | | | | |) | | | | | | onder@uce-ecs.com; Lweinheimer@rice-ecs.com | | | | | | | | | | | | |
| Delivered By: (Circle One) Sample Condu | | | | | | | | | | | | | | conder@riceswd.com. Bbaker@rice-ecs.com | | | | | | | | | | | |
| 1 | mipler - UPS - Bits - Other Control No No No | | | | | | | | | | | | 4 | Natalie Gladden@usa apachecorp.com | | | | | | | | | | | |
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† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

#260



May 03, 2011

NATALIE GLADDEN

APACHE - EUNICE

P. O. BOX 1849

EUNICE, NM 88231

RE: RED FEDERAL WATER STATION AD

Enclosed are the results of analyses for samples received by the laboratory on 04/28/11 8:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method SW-846 8260

Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005

Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg & Keene

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