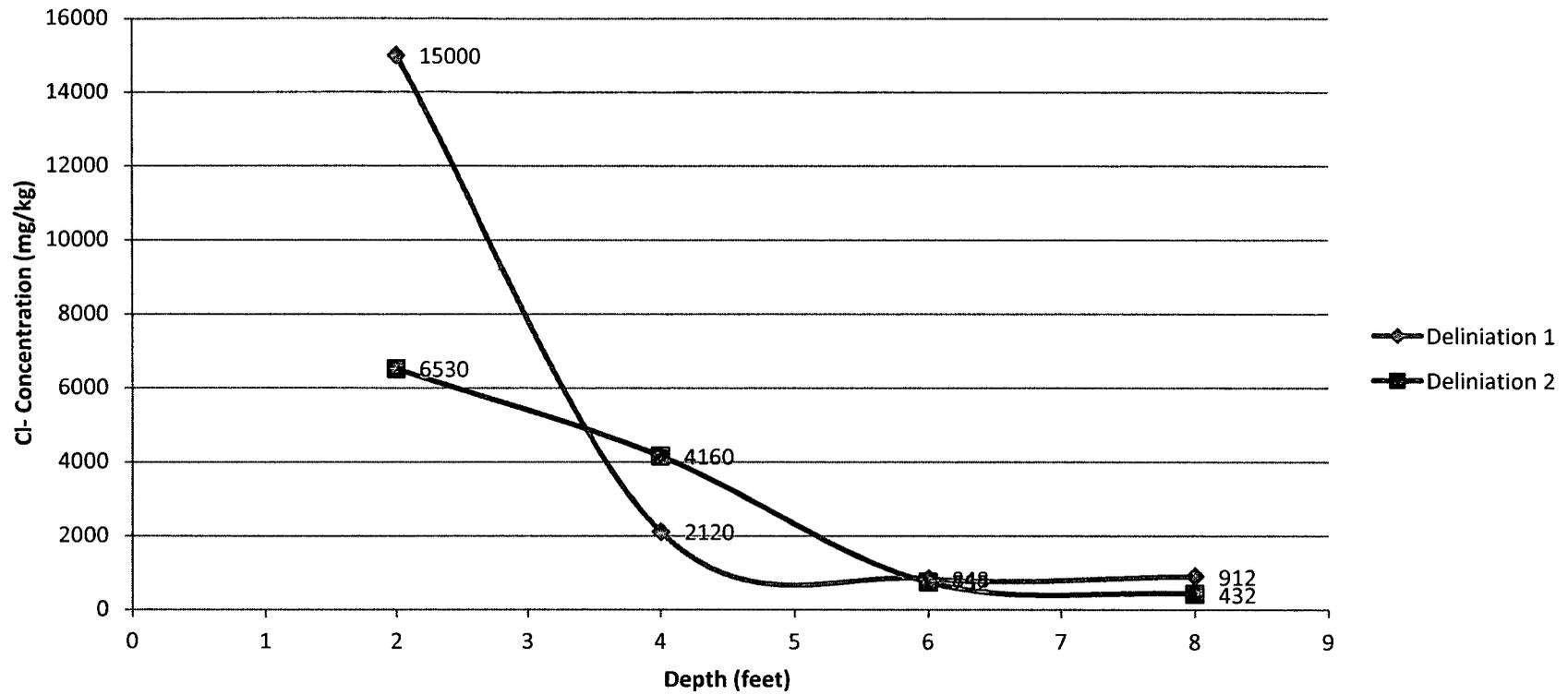
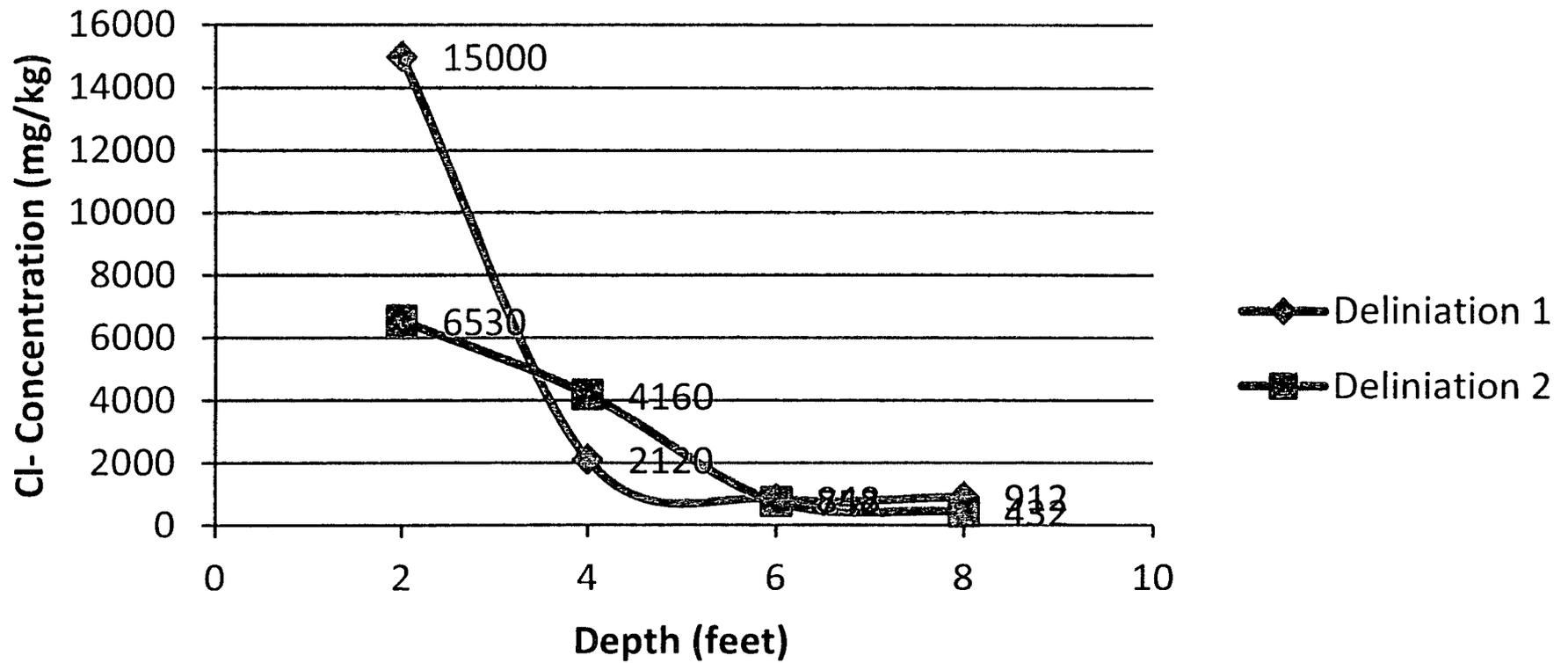


Santa Fe SWD Delineation



| | Sampling Depth (feet) | | | |
|---------------|-----------------------|------|-----|-----|
| Sampling Area | 2 | 4 | 6 | 8 |
| Delineation 1 | 15000 | 2120 | 848 | 912 |
| Delineation 2 | 6530 | 4160 | 752 | 432 |
| | Removed | | | |

Santa Fe SWD Deliniation





June 12, 2012

AMANDA TRUJILLO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: SANTA FE SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/07/12 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 1 - 2' (H201272-01)

| BTEX 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/08/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/08/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

| | | |
|---------------------------------------|--------|----------|
| <i>Surrogate Dibromofluoromethane</i> | 83.2 % | 61.3-142 |
| <i>Surrogate Toluene-d8</i> | 116 % | 71.3-129 |
| <i>Surrogate 4-Bromofluorobenzene</i> | 106 % | 65.7-141 |

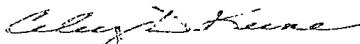
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/07/2012 | ND | 187 | 93.3 | 200 | 3.69 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 188 | 93.8 | 200 | 4.29 | | |

| | | |
|-------------------------------------|--------|----------|
| <i>Surrogate 1-Chlorooctane</i> | 88.7 % | 65.2-140 |
| <i>Surrogate 1-Chlorooctadecane</i> | 102 % | 63.6-154 |

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 1 - 4' (H201272-02)

| BTEX 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|----------------------|--------------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/08/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | 0.039 | 0.025 | 06/08/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | 0.025 | 0.025 | 06/08/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/08/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

Surrogate Dibromofluoromethane 80.9 % 61.3-142

Surrogate Toluene-d8 114 % 71.3-129

Surrogate 4-Bromofluorobenzene 105 % 65.7-141

| 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 | 06/07/2012 | ND | 187 | 93.3 | 200 | 3.69 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 188 | 93.8 | 200 | 4.29 | | |

Surrogate 1-Chlorooctane 86.7 % 65.2-140

Surrogate 1-Chlorooctadecane 105 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 06/07/2012
 Reported: 06/12/2012
 Project Name: SANTA FE SWD
 Project Number: 103-2636
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/04/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: DELINEATION 1 - 6' (H201272-03)

| BTEX 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|-----------------|--------------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/08/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | 0.028 | 0.025 | 06/08/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/08/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

Surrogate Dibromofluoromethane 81.1% 61.3-142
 Surrogate Toluene-d8 113% 71.3-129
 Surrogate 4-Bromofluorobenzene 104% 65.7-141

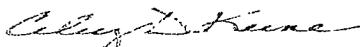
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/07/2012 | ND | 187 | 93.3 | 200 | 3.69 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 188 | 93.8 | 200 | 4.29 | | |

Surrogate 1-Chlorooctane 89.4% 65.2-140
 Surrogate 1-Chlorooctadecane 109% 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 1 - 8' (H201272-04)

| BTEX 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/08/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/08/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

| | | |
|---------------------------------------|--------|----------|
| <i>Surrogate Dibromofluoromethane</i> | 81.7 % | 61.3-142 |
| <i>Surrogate Toluene-d8</i> | 116 % | 71.3-129 |
| <i>Surrogate 4-Bromofluorobenzene</i> | 101 % | 65.7-141 |

| 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 | 06/07/2012 | ND | 187 | 93.3 | 200 | 3.69 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 188 | 93.8 | 200 | 4.29 | | |

| | | |
|-------------------------------------|--------|----------|
| <i>Surrogate 1-Chlorooctane</i> | 77.3 % | 65.2-140 |
| <i>Surrogate 1-Chlorooctadecane</i> | 90.2 % | 63.6-154 |

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 2 - 2' (H201272-05)

| BTEX 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/08/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/08/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

| | | |
|---------------------------------------|--------|----------|
| <i>Surrogate Dibromofluoromethane</i> | 82.0 % | 61.3-142 |
| <i>Surrogate Toluene-d8</i> | 114 % | 71.3-129 |
| <i>Surrogate 4-Bromofluorobenzene</i> | 104 % | 65.7-141 |

| 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 | 06/07/2012 | ND | 187 | 93.3 | 200 | 3.69 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 188 | 93.8 | 200 | 4.29 | | |

| | | |
|-------------------------------------|--------|----------|
| <i>Surrogate 1-Chlorooctane</i> | 86.9 % | 65.2-140 |
| <i>Surrogate 1-Chlorooctadecane</i> | 100 % | 63.6-154 |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 2 - 4' (H201272-06)

| BTEx 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/12/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | <0.025 | 0.025 | 06/12/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | <0.025 | 0.025 | 06/12/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/12/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

| | | |
|--------------------------------|--------|----------|
| Surrogate Dibromofluoromethane | 88.6 % | 61.3-142 |
| Surrogate Toluene-d8 | 113 % | 71.3-129 |
| Surrogate 4-Bromofluorobenzene | 103 % | 65.7-141 |

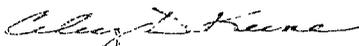
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/07/2012 | ND | 182 | 91.1 | 200 | 4.54 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 184 | 92.2 | 200 | 7.32 | | |

| | | |
|------------------------------|--------|----------|
| Surrogate 1-Chlorooctane | 77.3 % | 65.2-140 |
| Surrogate 1-Chlorooctadecane | 91.1 % | 63.6-154 |

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 2 - 6' (H201272-07)

| BTEX 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|-----------------|--------------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/08/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | 0.029 | 0.025 | 06/08/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/08/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

| | | |
|---------------------------------------|---------------|-----------------|
| <i>Surrogate Dibromofluoromethane</i> | <i>82.3 %</i> | <i>61.3-142</i> |
| <i>Surrogate Toluene-d8</i> | <i>114 %</i> | <i>71.3-129</i> |
| <i>Surrogate 4-Bromofluorobenzene</i> | <i>102 %</i> | <i>65.7-141</i> |

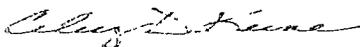
| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 06/07/2012 | ND | 182 | 91.1 | 200 | 4.54 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 184 | 92.2 | 200 | 7.32 | | |

| | | |
|-------------------------------------|---------------|-----------------|
| <i>Surrogate 1-Chlorooctane</i> | <i>87.9 %</i> | <i>65.2-140</i> |
| <i>Surrogate 1-Chlorooctadecane</i> | <i>96.0 %</i> | <i>63.6-154</i> |

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 2 - 8' (H201272-08)

| BTEX 8260B | | mg/kg | | Analyzed By: CMS | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.025 | 0.025 | 06/08/2012 | ND | 1.73 | 86.6 | 2.00 | 0.654 | | |
| Toluene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.18 | 109 | 2.00 | 0.861 | | |
| Ethylbenzene* | <0.025 | 0.025 | 06/08/2012 | ND | 2.12 | 106 | 2.00 | 1.41 | | |
| Total Xylenes* | <0.075 | 0.075 | 06/08/2012 | ND | 7.31 | 122 | 6.00 | 1.41 | | |

Surrogate Dibromofluoromethane 84.2 % 61.3-142

Surrogate Toluene-d8 116 % 71.3-129

Surrogate 4-Bromofluorobenzene 106 % 65.7-141

| 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 | 06/07/2012 | ND | 182 | 91.1 | 200 | 4.54 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 06/07/2012 | ND | 184 | 92.2 | 200 | 7.32 | | |

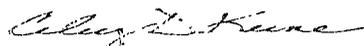
Surrogate 1-Chlorooctane 85.0 % 65.2-140

Surrogate 1-Chlorooctadecane 98.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

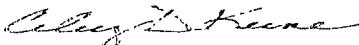
Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



June 12, 2012

AMANDA TRUJILLO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: SANTA FE SWD

Enclosed are the results of analyses for samples received by the laboratory on 06/07/12 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

| | | | |
|-------------------|-----------------|---------------------|---------------|
| Received: | 06/07/2012 | Sampling Date: | 06/04/2012 |
| Reported: | 06/12/2012 | Sampling Type: | Soil |
| Project Name: | SANTA FE SWD | Sampling Condition: | Cool & Intact |
| Project Number: | 103-2636 | Sample Received By: | Jodi Henson |
| Project Location: | EDDY COUNTY, NM | | |

Sample ID: DELINEATION 1 - 2' (H201272-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 15000 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: DELINEATION 1 - 4' (H201272-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2120 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: DELINEATION 1 - 6' (H201272-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 848 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

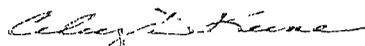
Sample ID: DELINEATION 1 - 8' (H201272-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 912 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMANDA TRUJILLO
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 06/07/2012
 Reported: 06/12/2012
 Project Name: SANTA FE SWD
 Project Number: 103-2636
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/04/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: DELINEATION 2 - 2' (H201272-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 6530 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: DELINEATION 2 - 4' (H201272-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 4160 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: DELINEATION 2 - 6' (H201272-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 752 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

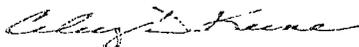
Sample ID: DELINEATION 2 - 8' (H201272-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 432 | 16.0 | 06/08/2012 | ND | 432 | 108 | 400 | 0.00 | | |

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Celey D. Keene, Lab Director/Quality Manager

