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Release Area

Analytical Report-H400297 (Cardinal) Sample Area Sample Date Sample Type Depth BTEX GRO DRO Chlorides S1-1' Release Area 3/4/2014 Hand Auger 1' <0.3 N/A S1-2¹ 3/4/2014 2' < 0.3 Release Area Hand Auger N/A S1-3¹ Release Area 3/4/2014 Hand Auger 3' <0.3 N/A

S1 Sample Location

Site Ranking is Zero (0). DTGW >100' (approx 170', Section 13, T18S-R29E, Trend Map)

All results are ppm, Chlorides for documentation.

Released: 25 B/O Recovered: 20 B/O Release Date: 2/19/2014



March 12, 2014

CHASE SETTLE
YATES PETROLEUM CORPORATION
105 S 4th Street
Artesia, NM 88210

RE: SLALOM BPZ FEDERAL #1-H

Enclosed are the results of analyses for samples received by the laboratory on 03/05/14 14:05.

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

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celes D. 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



Analytical Results For:

YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

03/05/2014

Sampling Date:

03/04/2014

Reported:

03/12/2014

Sampling Type:

Soil

Project Name:

SLALOM BPZ FEDERAL #1-H

Sampling Condition:

Cool & Intact

Project Number:

205750

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

Sample ID: S1-1' (H400678-01)

| BTEX 8260B | mg/ | kg | Analyze | d By: MS | | | | | |
|---------------------------------|--------|-----------------|------------|--|------|------------|---------------|---|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.07 | 103 | 2.00 | 1.09 | |
| Toluene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.14 | 107 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.05 | 103 | 2.00 | 4.26 | |
| Total Xylenes* | <0.150 | 0.150 | 03/12/2014 | ND | 6.24 | 104 | 6.00 | 4.14 | |
| Total BTEX | <0.300 | 0.300 | 03/12/2014 | ND | | | | | |
| Surrogate: Dibromofluoromethane | 96.0 | % 61.3-14 | 2 | ************************************** | | | | | |
| Surrogate: Toluene-d8 | 104 | % 71.3-12 | 9 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 100 | % 65.7-14 | 1 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/10/2014 | ND | 197 | 98.5 | 200 | 3.69 | |
| DRO >C10-C28 | <10.0 | 10.0 | 03/10/2014 | ND | 190 | 95.1 | 200 | 5.51 | |
| Surrogate: 1-Chlorooctane | 97.6 | % 65.2-14 | 0 | | | | | *************************************** | |
| Surrogate: 1-Chlorooctadecane | 97.6 | % 63.6-15 | 4 | | | | | | |

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

03/05/2014

Sampling Date:

03/04/2014

Reported:

Sampling Type:

Soil

03/12/2014

Sampling Condition:

Cool & Intact

Project Name:

SLALOM BPZ FEDERAL #1-H

Sample Received By:

Jodi Henson

Project Number: Project Location: 205750

NOT GIVEN

Sample ID: S1-2' (H400678-02)

| BTEX 8260B | mg/ | 'kg | Analyze | d By: MS | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|---|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.07 | 103 | 2.00 | 1.09 | |
| Toluene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.14 | 107 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.05 | 103 | 2.00 | 4.26 | |
| Total Xylenes* | <0.150 | 0.150 | 03/12/2014 | ND | 6.24 | 104 | 6.00 | 4.14 | |
| Total BTEX | <0.300 | 0.300 | 03/12/2014 | ND | | | | | |
| Surrogate: Dibromofluoromethane | 98.5 | % 61.3-14 | 2 | | | | | | Historia de Lacia de |
| Surrogate: Toluene-d8 | 105 | % 71.3-12 | 9 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 109 | % 65.7-14 | 1 | | | | | | |
| TPH 8015M | mg, | /kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/10/2014 | ND | 197 | 98.5 | 200 | 3.69 | |
| DRO >C10-C28 | <10.0 | 10.0 | 03/10/2014 | ND | 190 | 95.1 | 200 | 5.51 | |
| Surrogate: 1-Chlorooctane | 101 | % 65.2-14 | 0 | | | | | | 984 |
| Surrogate: 1-Chlorooctadecane | 105 | % 63.6-15 | 4 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

YATES PETROLEUM CORPORATION CHASE SETTLE 105 S 4th Street Artesia NM, 88210 Fax To: (505) 748-4635

Received:

03/05/2014

Sampling Date:

03/04/2014

Reported:

DTEV 9260D

Sampling Type:

Soil

03/12/2014

Sampling Condition:

Cool & Intact

Project Name:

SLALOM BPZ FEDERAL #1-H

Project Number:

205750

Sample Received By:

Jodi Henson

Project Location:

NOT GIVEN

ma/ka

Sample ID: S1-3' (H400678-03)

| BTEX 8260B | mg/ | kg | Analyze | d By: MS | | | | | |
|---------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-----------------------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.07 | 103 | 2.00 | 1.09 | |
| Toluene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.14 | 107 | 2.00 | 4.98 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/12/2014 | ND | 2.05 | 103 | 2.00 | 4.26 | |
| Total Xylenes* | <0.150 | 0.150 | 03/12/2014 | ND | 6.24 | 104 | 6.00 | 4.14 | |
| Total BTEX | <0.300 | 0.300 | 03/12/2014 | ND | | | | | |
| Surrogate: Dibromofluoromethane | 96.1 | % 61.3-14 | 2 | | | | | T - 100 - 101 - 100 - | |
| Surrogate: Toluene-d8 | 103 | % 71.3-12 | 9 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | 102 | 65.7-14 | 1 | | | | | | |
| TPH 8015M | mg | 'kg | Analyze | d By: ms | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 03/10/2014 | ND | 197 | 98.5 | 200 | 3.69 | |
| DRO >C10-C28 | <10.0 | 10.0 | 03/10/2014 | ND | 190 | 95.1 | 200 | 5.51 | |
| Surrogate: 1-Chlorooctane | 99.2 | % 65.2-14 | 0 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.7 | % 63.6-15 | 4 | | | | | | |

Analyzand Day MC

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine

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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*=Accredited Analyte

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager

| Relinquished by: | Relinquished by: | Relinquished by: | Special In | | | | | 13 13 | | | N | 2 | _ | LAB # (lab use only) | ORDER# | (lab use only) | 985°011. | 283 IN 1 | | | | 1 |
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| d by: | d by: | d by: | Special Instructions: | | | | | | | | S1-3' | S1-2' | S1-1' | TO 10 | | ₩ | Sampler Signature: | Telephone No: | City/State/Zip: | Company Address: 105 South 4th Street | Comp: (505) 393-2326 Yates Petroleum Corporation | Project Manager: |
| | | | | æ | | | | | | | | | | FIELD CODE | 8L9001H | 1 | nature: | 10 | | ldress: 105 | 393-232€ Yate | Ta la |
| | | | | | | | | | | | | | | Di i | W. | | M | 575-748-4171 | Artesia, NM 88210 | South 4th S | s Petroleun | Chase Settle |
| Date | Date | Date | | | | | 10 | | | | | | | | | | | | 210 | Street | n Corporation | 88240 |
| Time | Time | Time | | | | | | | | : | | | | Beginning Depth | | | 1 | | | | ä | TO TO |
| | | | | | | _ | | _ | | | | | | Ending Depth | | | | | | | | A) |
| Received by ELOT: | Received by: | Received by: | | | | | | | | | 3/4/2014 | 3/4/2014 | 3/4/2014 | Date Sampled | 0 | | | | = | | | (505) 393-232 |
| JL. | | No | | | | | | | | | 5:15 PM | 5:15 PM | 5:15 PM | Time Sampled | | | e-mail: | Fax No: | | | | (505) 393-2326 FAX (505) 393-2476 |
| | 3 | | | | 1,12 | | | | - | | - | - | | Field Filtered | ļ .,. | | | | | | |)3-247 |
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| 75 × 21 | | _ | | _ | \vdash | | | | _ | _ | | | | Na ₂ S ₂ O ₃ | of Containers | | To | 1 | | | | 20 |
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| Date | Date | | | _ | H | E E | | | | \dashv | _ | | | DW=Drinking Water SL=Sludge | Н | | spetroleum.com | 1 | 1 | | l | ļ |
| | 9 1 | 7 | | 46 46 | | | | - | | | S | S | S | GW = Groundwater S=Soli/Solid | Matrix | | ÖM | Reg | | | | |
| 7 | | 73 | 10.00 | | | | | | | | | - | | NP=Non-Potable Specify Other | × | | | ğ | ,- | P | | Proj |
| Time | Time (| なない。 | | | | | | - | | _ | × | × | X | TPH: 418.1 8015M 8015 | iB . | ı | | Report Format: | | Project Loc: | Pro | Project Name: |
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| amp | amp by by | | OCs abor | | | | | | - | \dashv | - | | - | Anions (CI, SO4, Alkalinity) | ᅴᆡ | | | | PO #: 205750 | ! | # | . |
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| g |)Clie | | ners | | | | - | | | | | | - | Volatiles | | | | ă | | Sia. | | Sla |
| Rec | pple Hand Delivered by Sampler/Client Rep by Courier? UPS | r(s) | Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? | | | | | | | | | Ļ | | Semivolatiles | | Analyze For | | | | 9 | | mo |
| 7 | Sep T | Labels on container(s) Custody seals on container(s) | 8 8 8 | | | | | | | | × | × | × | BTEX 8021B/5030 or BTEX 826 | 0 | Ä | | | | BP. | | BP |
| | 뫋 | s) | Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace? | | | | | | | | | | | RCI | | | | TRRP | | Slalom BPZ Federal #1-H | | Sialom BPZ Federal #1-H |
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