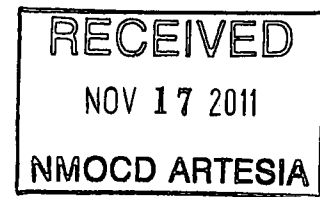


November 17, 2011



Mr. Mike Bratcher
Oil Conservation Division
Artesia, NM

Re: Rodke 'AOY' #1
30-015-28404
Section 21, T19S-R25E
Eddy County, New Mexico

Dear Mr. Bratcher:

Yates Petroleum Corp. would like to submit for your consideration the enclosed work plan for the above captioned well. The plan is being submitted in response to the C-141 reports dated August 30, 2011; October 4, 2011; October 11, 2011.

If there are no objections with the scope of work described in the plan, Yates will have a contractor begin work on or after the week of November 28, 2011.

If you have any questions call me at 575-748-4311

Thank you.

Yates Petroleum Corporation

Jeremy Haass
Environmental Regulatory Agent

Enclosure(s):

Map to location
Analytical Report 427255
Analytical Report 427256
Analytical Report H102403

Yates Petroleum Corporation

Rodke 'AOY' #1 Work Plan

Section 21, T19S-R25E

Eddy County, New Mexico

November 17, 2011

I. Location

Go south of Artesia on Hwy 285 for approx. 13 miles. Turn west on Rock-N-R Red Ranch Rd. for approx. 5.3 miles turn south on lease road for ¼ of a mile, then turn east for 1/8 of a mile.

II. Background

There have been 3 separate releases from the same underground flow line coming from the Rodke 'AOY' #1. First release was on August 26, 2011 where 15 B/O were released of which 8 B/O were recovered. Second release was on September 29, 2011 where 8 B/O&PW were released of which 0 B/O&PW were recovered. Third release was on October 6, 2011 where 15 B/O&PW were released of which 5 B/O&PW were recovered. Yates submitted a C-141 on August 30, 2011; October 4, 2011; October 11, 2011 to the NMOCD District II office. Initial delineation samples were taken (9/7/11) & (11/4/11) and sent to an NMOCD approved laboratory (9/21/11 & 11/4/11 results enclosed).

III. Surface and Ground Water

Area surface geology is Cenozoic. The nearest Depth to Groundwater record listed on the New Mexico Office of the State Engineer (Section 22, T19S-R25E) shows depth of groundwater to be approximately 130 feet making the site ranking for this site a zero (0). Watercourses in the area are dry except for infrequent flows in response to major precipitation events.

The ranking for this site is zero (0) based on the as following:

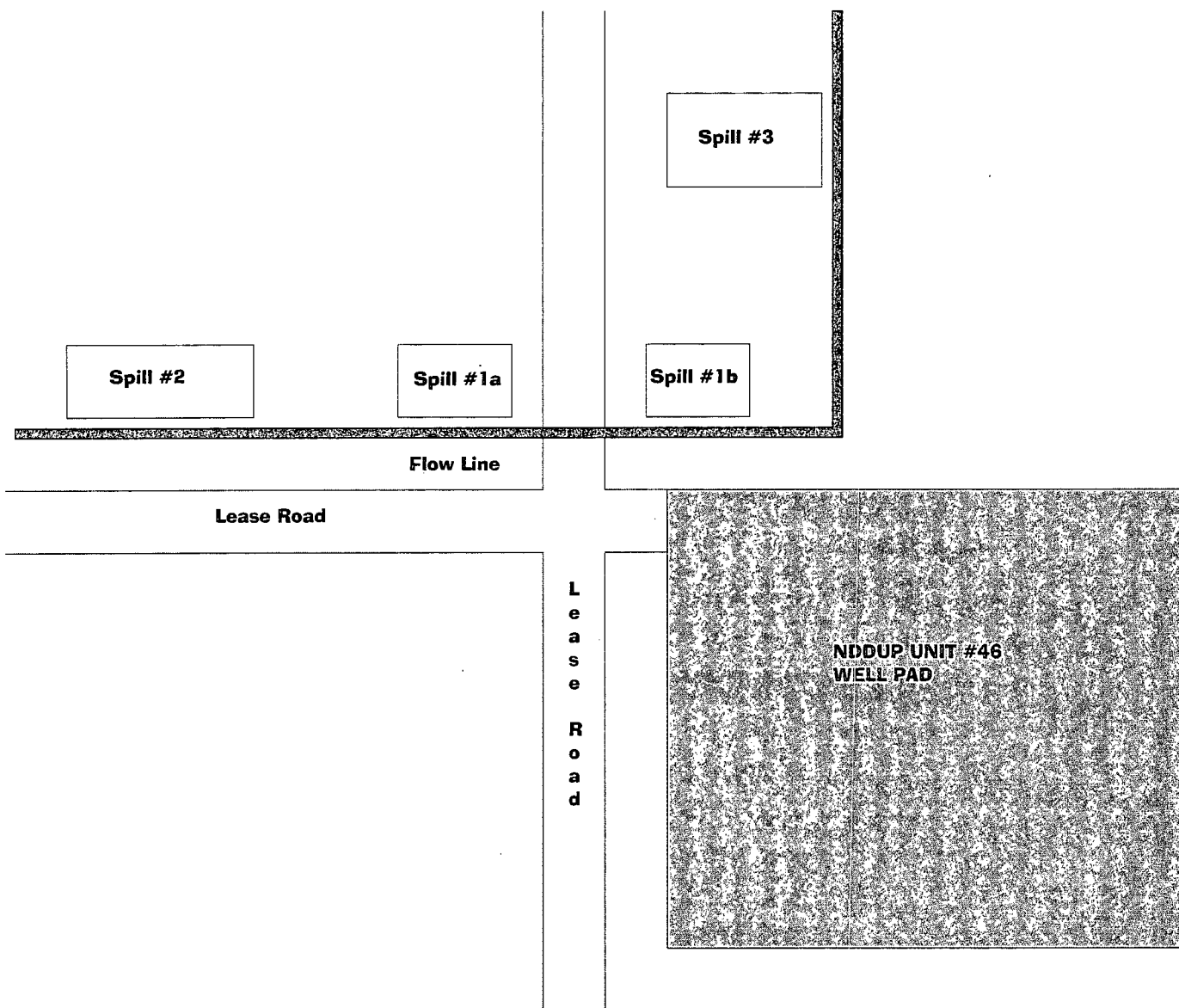
| | |
|--------------------------------|---------|
| Depth to ground water | > 100' |
| Wellhead Protection Area | > 1000' |
| Distance to surface water body | > 1000' |

IV. Soils

The area consists of soils that are caliche and interspersed with clay seams providing a low permeability barrier to retard vertical percolation of contaminants into the subsurface.

V. Scope of Work

Upon approval of this work plan and based on the enclosed analytical results, Yates Petroleum Corp. will have a contractor retrieve further samples at one foot intervals at the bottom of Spill #1a and test for Chloride delineation at 7', 8', and 9'. After receiving the new test results a determination will be made on whether or not to dig deeper and how much further we may need to go, impacted soils will be taken to an NMOCD approved facility for disposal. After the bottom of Spill #1a is dealt with and since the analytical results are within RRAL's for BTEX (50 ppm) and TPH (5000 ppm) for the Total Ranking Score of zero (0) Yates Petroleum Corporation will submit a C-141 Final Report, analytical results and request closure of the site.



Rodke 'AOY' #1 (Overview)

30-015-28404

Section 21, T19S-R25E

Eddy County, NM

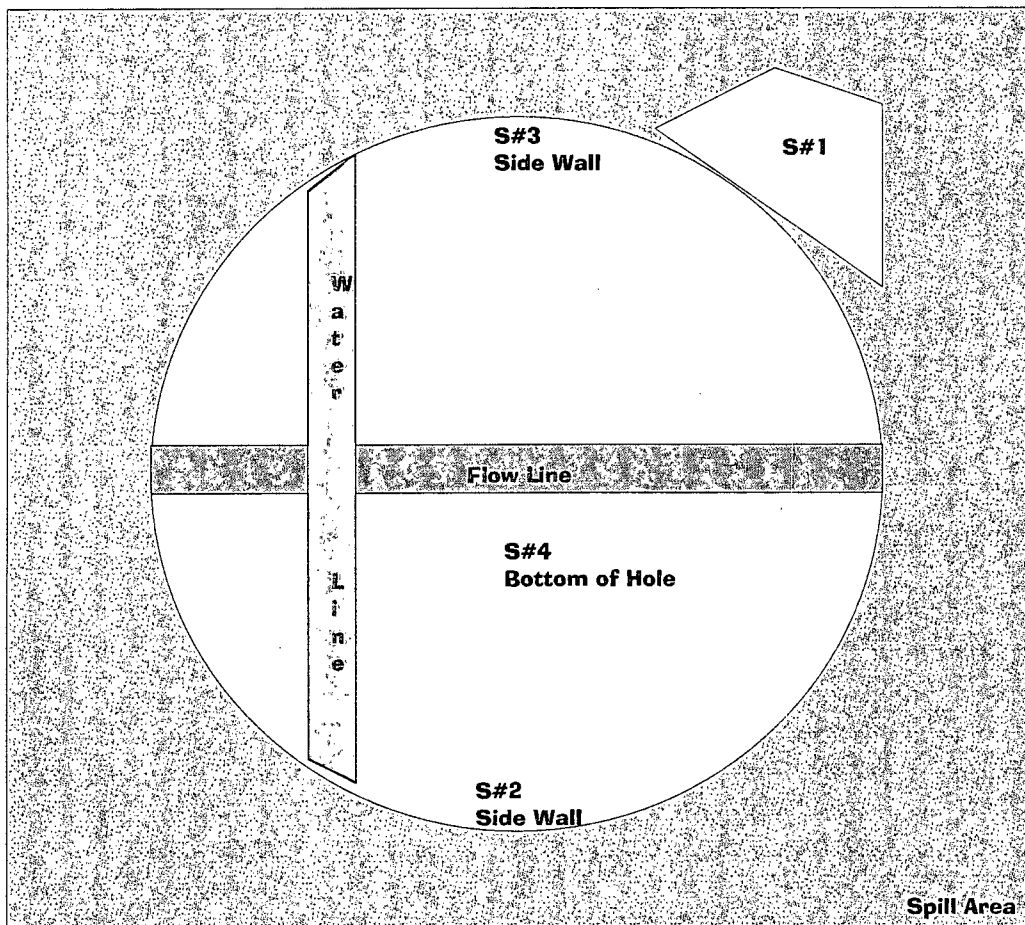
SAMPLE DIAGRAM(Not to Scale)

Prepared by Jeremy Haass
Environmental Regulatory Agent



Lease Road

Lease Road



Rodke 'AOY' #1 (Spill 1a)

30-015-28404

Section 21, T19S-R25E

Eddy County, NM

Xenco Laboratories #427255, 427256

Cardinal Laboratories #H102403

Prepared by Jeremy Haass
Environmental Regulatory Agent

Spill 1a

First Sampling

| Analytical Report- 427255 & 427256 | Sample Date | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|---------------------------------------|-------------|-------|--------|------|-------|-------|-----------|
| Sample #1 | 9/7/2011 | 1' | 1.01 | 42.8 | 99.7 | 143 | 19100 |
| Sample #2 | 9/7/2011 | 2' | 0.0263 | ND | ND | ND | 20400 |
| Sample #3 | 9/7/2011 | 2' | 186 | 3780 | 17500 | 21300 | 18100 |
| Sample #4 | 9/7/2011 | 4' | 5.69 | 346 | 2240 | 2590 | 34300 |

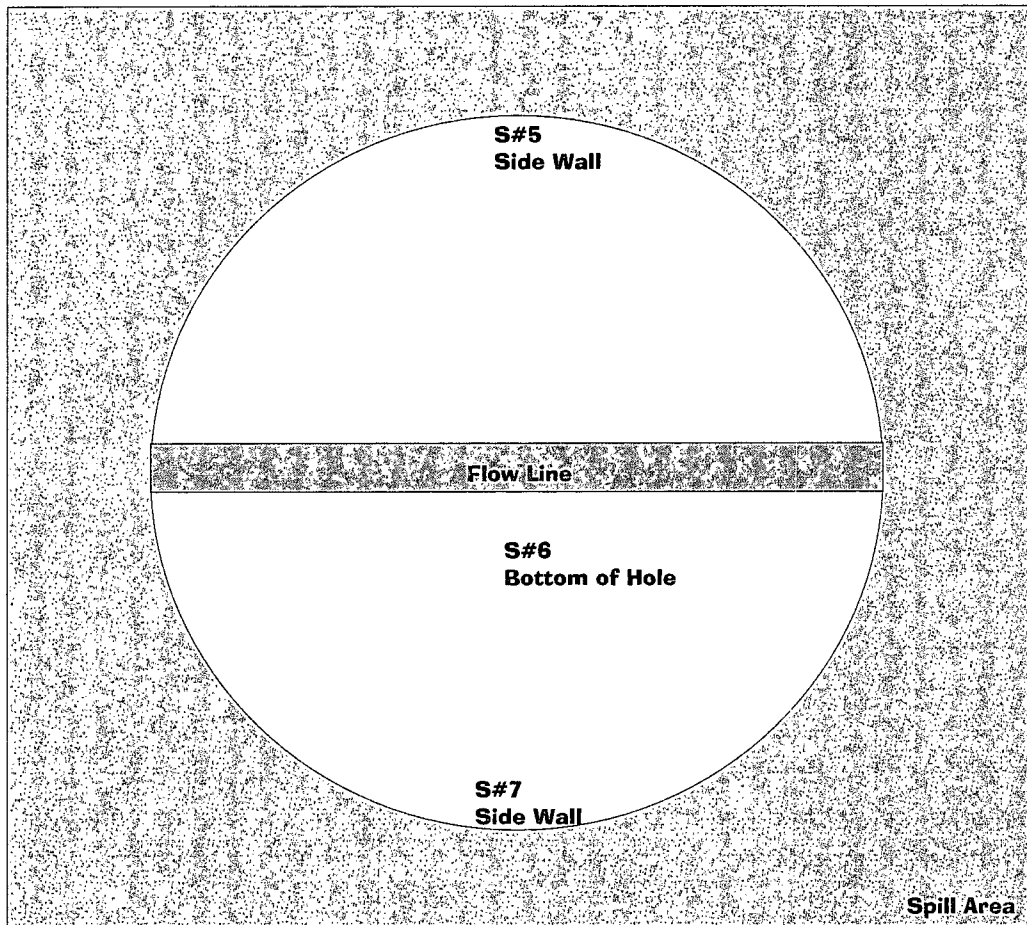
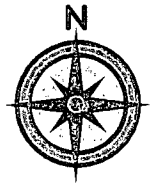
Second Sampling

| Analytical Report- H102403 | Sample Date | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|-------------------------------|-------------|-------|-------|------|------|--------|-----------|
| Sample #1 | 11/4/2011 | 6' | ND | ND | ND | ND | 3640 |
| Sample #2 | 11/4/2011 | 3' | ND | ND | ND | ND | 3840 |
| Sample #3 | 11/4/2011 | 3' | ND | 16.2 | 468 | 484.2 | 2480 |
| Sample #4 | 11/4/2011 | 6' | 0.060 | 46.6 | 1340 | 1386.6 | 11700 |

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 130', per NMOSE).

All results are ppm.Chlorides for documentation. S# - **Sample Points**

Released: 15 B/O; Recovered: 8 B/O. Release Date: 8/26/2011



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Rodke 'AOY' #1 (Spill 1b)

30-015-28404

Section 21, T19S-R25E

Eddy County, NM

Xenco Laboratories #427255, 427256

Cardinal Laboratories #H102403

Prepared by Jeremy Haass
Environmental Regulatory Agent

Spill 1b

First Sampling

| Analytical Report- 427255 & 427256 | Sample Date | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|---------------------------------------|-------------|-------|------|------|------|-------|-----------|
| Sample #5 | 9/7/2011 | 2' | 260 | 1600 | 5520 | 7120 | 14700 |
| Sample #6 | 9/7/2011 | 5' | 258 | 2860 | 6630 | 9490 | 6390 |
| Sample #7 | N/A | | | | | | |

Second Sampling

| Analytical Report- H102403 | Sample Date | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|-------------------------------|-------------|-------|-------|-----|-----|-------|-----------|
| Sample #5 | 11/4/2011 | 6' | ND | ND | 56 | 56 | 192 |
| Sample #6 | 11/4/2011 | 10' | ND | ND | 117 | 117 | 208 |
| Sample #7 | 11/4/2011 | 6' | 0.419 | ND | ND | ND | 128 |

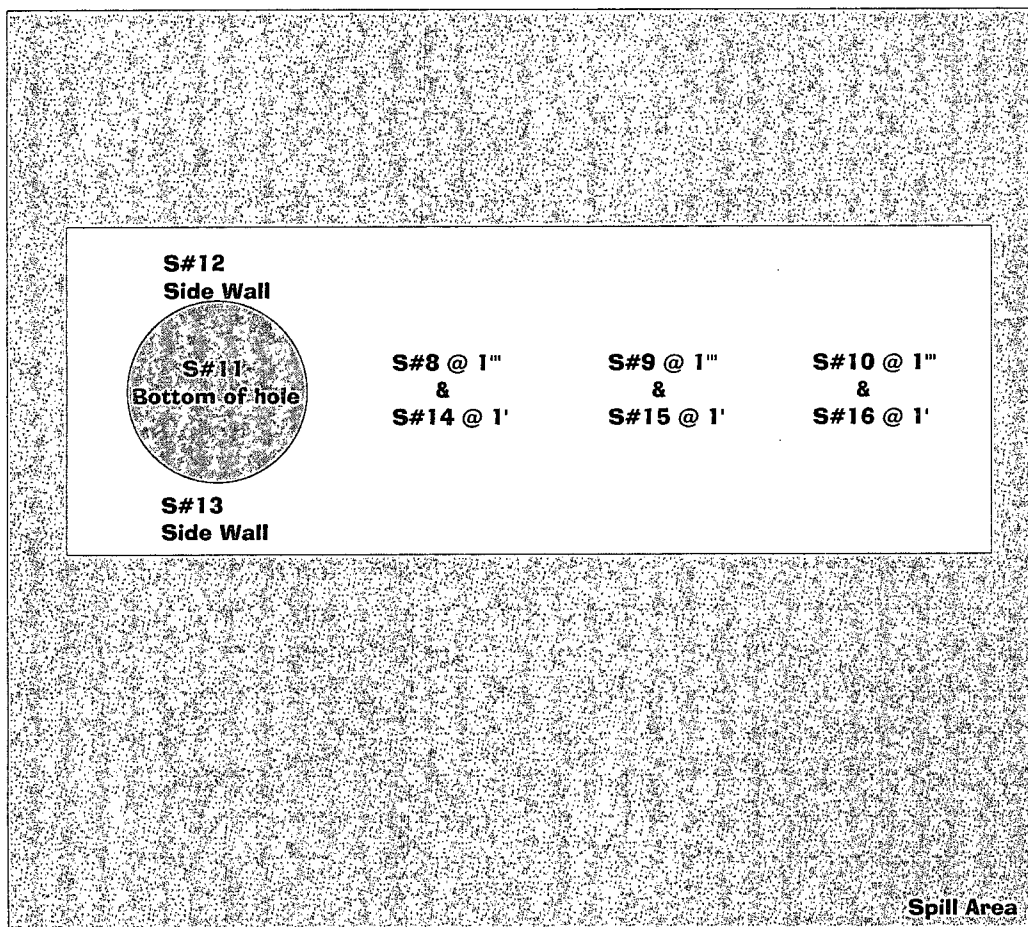
Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 130', per NMOSE).

All results are ppm.Chlorides for documentation. S# - **Sample Points**

Released: 15 B/O; Recovered: 8 B/O. Release Date: 8/26/2011



Lease Road



Rodke 'AOY' #1 (Spill 2)

30-015-28404

Section 21, T19S-R25E

Eddy County, NM

Cardinal Laboratories #H102403

Prepared by Jeremy Haass
Environmental Regulatory Agent

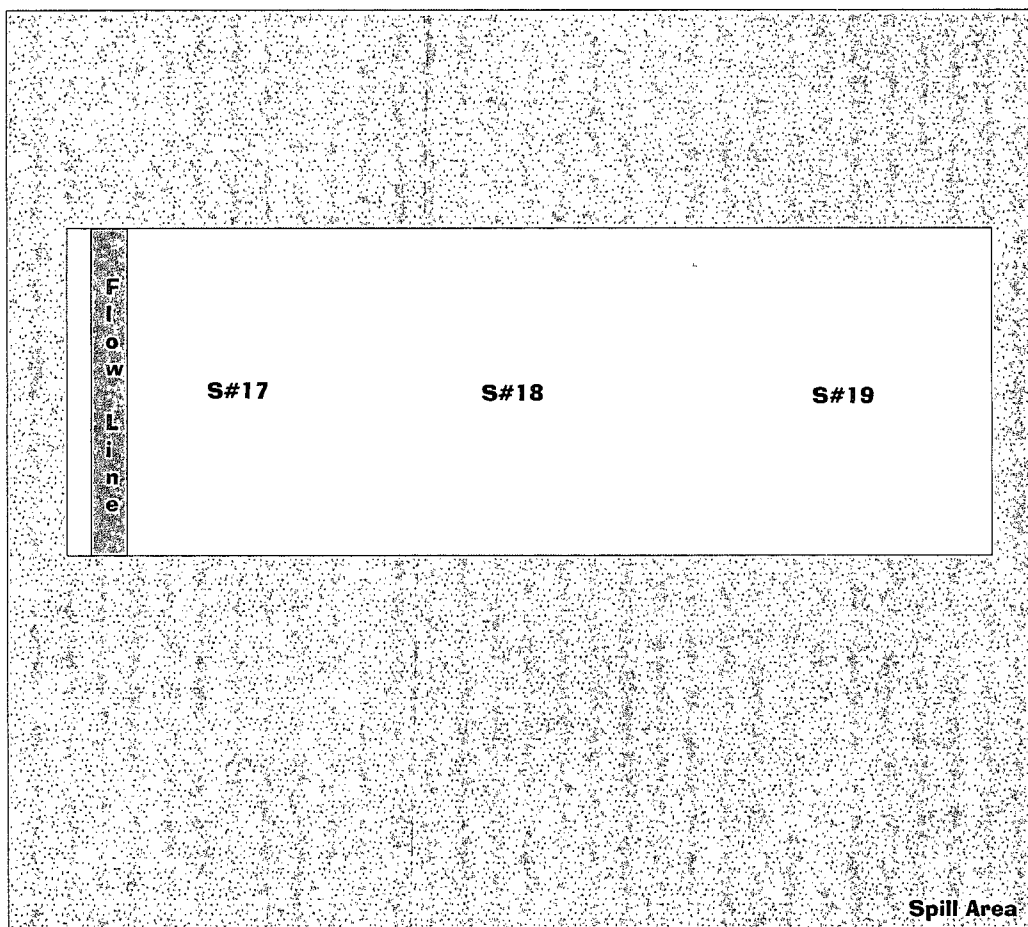
Spill 2

| Analytical Report H102403 | Sample Date | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|------------------------------|-------------|-------|-------|-----|------|-------|-----------|
| Sample #8 | 11/4/2011 | 1" | ND | ND | 176 | 176 | 224 |
| Sample #9 | 11/4/2011 | 1" | ND | ND | ND | ND | ND |
| Sample #10 | 11/4/2011 | 1" | 0.154 | ND | 4820 | 4820 | 576 |
| Sample #11 | 11/4/2011 | 5' | ND | ND | 599 | 599 | 2080 |
| Sample #12 | 11/4/2011 | 3' | ND | ND | ND | ND | 208 |
| Sample #13 | 11/4/2011 | 3' | ND | ND | ND | ND | 320 |
| Sample #14 | 11/4/2011 | 1' | ND | ND | ND | ND | 112 |
| Sample #15 | 11/4/2011 | 1' | ND | ND | 10 | 10 | 160 |
| Sample #16 | 11/4/2011 | 1' | ND | ND | 104 | 104 | 64 |

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 130', per NMOSE).

All results are ppm. Chlorides for documentation. S# - **Sample Points**

Released: 8 B/O & PW; Recovered: 0 B/O & PW. Release Date: 9/29/2011



Rodke 'AOY' #1 (Spill 3)

30-015-28404

Section 21, T19S-R25E

Eddy County, NM

Cardinal Laboratories #H102403

Prepared by Jeremy Haass
Environmental Regulatory Agent

Spill 3

| Analytical Report- H102403 | Sample Date | Depth | BTEX | GRO | DRO | TOTAL | Chlorides |
|-------------------------------|-------------|-------|------|-----|------|-------|-----------|
| Sample #17 | 11/4/2011 | 6' | ND | ND | ND | ND | 2760 |
| Sample #18 | 11/4/2011 | 3' | ND | ND | 40.3 | 40.3 | 752 |
| Sample #19 | 11/4/2011 | 1' | 2.14 | ND | 237 | 237 | 112 |

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 130', per NMOSE).

All results are ppm. Chlorides for documentation. S# - **Sample Points**

Released: 8 B/O & PW; Recovered: 0 B/O & PW. Release Date: 9/29/2011

Analytical Report 427255

for Yates Petroleum Corporation

Project Manager: Jeremy Haass

Rodke 'AOY' # 1

30-015-28404

21-SEP-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



Certificate of Analysis Summary 427255

Yates Petroleum Corporation, Artesia, NM



Project Id: 30-015-28404

Contact: Jeremy Haass

Project Location: Eddy

Project Name: Rodke 'AOY' # 1

Date Received in Lab: Thu Sep-08-11 10:15 am

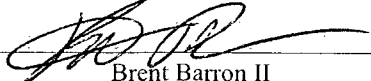
Report Date: 21-SEP-11

Project Manager: Brent Barron II

| Analysis Requested | Lab Id: | 427255-001 | 427255-002 | 427255-003 | 427255-004 | 427255-005 | 427255-006 |
|------------------------------------|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Field Id: | Sample # 1 | Sample # 2 | Sample # 3 | Sample # 4 | Sample # 5 | Sample # 6 |
| | Depth: | 1-1 ft | 2-2 ft | 2-2 ft | 4-4 ft | 2-2 ft | 5-5 ft |
| | Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | Sampled: | Sep-07-11 10:20 | Sep-07-11 10:34 | Sep-07-11 10:48 | Sep-07-11 11:00 | Sep-07-11 11:11 | Sep-07-11 11:18 |
| BTEX by EPA 8021B | Extracted: | Sep-09-11 09:37 | Sep-09-11 09:37 | Sep-09-11 09:37 | Sep-09-11 09:37 | Sep-09-11 09:37 | Sep-09-11 09:37 |
| | Analyzed: | Sep-09-11 20:01 | Sep-09-11 17:43 | Sep-09-11 20:47 | Sep-09-11 22:18 | Sep-09-11 23:27 | Sep-10-11 00:12 |
| | Units/RL: | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | | 0.0597 0.00602 | 0.00240 0.00119 | 1.65 0.230 | 0.0272 0.00586 | 1.99 0.230 | 9.03 0.287 |
| Toluene | | 0.223 0.0120 | 0.00655 0.00238 | 36.0 0.461 | 0.623 0.0117 | 47.2 0.460 | 79.9 0.573 |
| Ethylbenzene | | 0.278 0.00602 | 0.00668 0.00119 | 60.6 0.230 | 1.90 0.00586 | 86.4 0.230 | 73.6 0.287 |
| m_p-Xylenes | | 0.312 0.0120 | 0.00730 0.00238 | 61.8 0.461 | 2.16 0.0117 | 88.2 0.460 | 69.2 0.573 |
| o-Xylene | | 0.140 0.00602 | 0.00333 0.00119 | 25.8 0.230 | 0.977 0.00586 | 36.6 0.230 | 26.2 0.287 |
| Total Xylenes | | 0.452 0.00602 | 0.0106 0.00119 | 87.6 0.230 | 3.14 0.00586 | 125 0.230 | 95.4 0.287 |
| Total BTEX | | 1.01 0.00602 | 0.0263 0.00119 | 186 0.230 | 5.69 0.00586 | 260 0.230 | 258 0.287 |
| Percent Moisture | Extracted: | | | | | | |
| | Analyzed: | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 |
| | Units/RL: | % RL | % RL | % RL | % RL | % RL | % RL |
| Percent Moisture | | 17.1 1.00 | 15.9 1.00 | 13.5 1.00 | 15.3 1.00 | 13.3 1.00 | 13.3 1.00 |
| TPH By SW8015B Mod | Extracted: | Sep-12-11 13:05 | Sep-12-11 13:05 | Sep-12-11 13:05 | Sep-12-11 13:05 | Sep-12-11 13:05 | Sep-12-11 13:05 |
| | Analyzed: | Sep-20-11 12:34 | Sep-20-11 13:04 | Sep-20-11 13:35 | Sep-20-11 14:06 | Sep-20-11 14:39 | Sep-20-11 15:10 |
| | Units/RL: | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| C6-C10 Gasoline Range Hydrocarbons | | 42.8 18.0 | ND 17.8 | 3780 86.5 | 346 88.4 | 1600 86.5 | 2860 86.2 |
| C10-C28 Diesel Range Hydrocarbons | | 99.7 18.0 | ND 17.8 | 17500 86.5 | 2240 88.4 | 5520 86.5 | 6630 86.2 |
| Total TPH | | 143 18.0 | ND 17.8 | 21300 86.5 | 2590 88.4 | 7120 86.5 | 9490 86.2 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi


Brent Barron II
Odessa Laboratory Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

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| (432) 563-1800 | (432) 563-1713 |
| (770) 449-8800 | (770) 449-5477 |
| (602) 437-0330 | |



Form 2 - Surrogate Recoveries

Project Name: Rodke 'AOY' # 1

Work Orders : 427255,

Project ID: 30-015-28404

Lab Batch #: 869693

Sample: 427255-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/09/11 17:43

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0284 | 0.0300 | 95 | 80-120 | |
| 4-Bromofluorobenzene | 0.0291 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 869693

Sample: 427255-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/09/11 20:01

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0271 | 0.0300 | 90 | 80-120 | |
| 4-Bromofluorobenzene | 0.0246 | 0.0300 | 82 | 80-120 | |

Lab Batch #: 869693

Sample: 427255-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/09/11 20:47

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0236 | 0.0300 | 79 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0328 | 0.0300 | 109 | 80-120 | |

Lab Batch #: 869693

Sample: 427255-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/09/11 22:18

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0206 | 0.0300 | 69 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0298 | 0.0300 | 99 | 80-120 | |

Lab Batch #: 869693

Sample: 427255-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/09/11 23:27

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0242 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0427 | 0.0300 | 142 | 80-120 | ** |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Rodke 'AOY' # 1

Work Orders : 427255,

Project ID: 30-015-28404

Lab Batch #: 869693

Sample: 427255-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/10/11 00:12

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0239 | 0.0300 | 80 | 80-120 | |
| 4-Bromofluorobenzene | 0.0288 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 870524

Sample: 427255-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/20/11 12:34

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 132 | 99.6 | 133 | 70-135 | |
| o-Terphenyl | 60.3 | 49.8 | 121 | 70-135 | |

Lab Batch #: 870524

Sample: 427255-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/20/11 13:04

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 112 | 100 | 112 | 70-135 | |
| o-Terphenyl | 43.4 | 50.0 | 87 | 70-135 | |

Lab Batch #: 870524

Sample: 427255-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/20/11 13:35

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 281 | 99.8 | 282 | 70-135 | ** |
| o-Terphenyl | 138 | 49.9 | 277 | 70-135 | ** |

Lab Batch #: 870524

Sample: 427255-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/20/11 14:06

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 114 | 99.8 | 114 | 70-135 | |
| o-Terphenyl | 54.9 | 49.9 | 110 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Rodke 'AOY' # 1

Work Orders : 427255,

Project ID: 30-015-28404

Lab Batch #: 870524

Sample: 427255-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/20/11 14:39

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 152 | 100 | 152 | 70-135 | ** |
| o-Terphenyl | 56.5 | 50.0 | 113 | 70-135 | |

Lab Batch #: 870524

Sample: 427255-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/20/11 15:10

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 167 | 99.6 | 168 | 70-135 | ** |
| o-Terphenyl | 59.5 | 49.8 | 119 | 70-135 | |

Lab Batch #: 869693

Sample: 611215-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/09/11 11:44

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0280 | 0.0300 | 93 | 80-120 | |
| 4-Bromofluorobenzene | 0.0263 | 0.0300 | 88 | 80-120 | |

Lab Batch #: 870524

Sample: 611252-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/20/11 12:04

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 102 | 99.7 | 102 | 70-135 | |
| o-Terphenyl | 44.7 | 49.9 | 90 | 70-135 | |

Lab Batch #: 869693

Sample: 611215-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/09/11 10:12

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0283 | 0.0300 | 94 | 80-120 | |
| 4-Bromofluorobenzene | 0.0264 | 0.0300 | 88 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Rodke 'AOY' # 1

Work Orders : 427255,

Project ID: 30-015-28404

Lab Batch #: 870524

Sample: 611252-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/20/11 11:02

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 124 | 99.9 | 124 | 70-135 | |
| o-Terphenyl | 55.5 | 50.0 | 111 | 70-135 | |

Lab Batch #: 869693

Sample: 611215-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/09/11 10:35

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0299 | 0.0300 | 100 | 80-120 | |
| 4-Bromofluorobenzene | 0.0290 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 870524

Sample: 611252-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 09/20/11 11:32

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 116 | 99.7 | 116 | 70-135 | |
| o-Terphenyl | 49.6 | 49.9 | 99 | 70-135 | |

Lab Batch #: 869693

Sample: 427255-002 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/09/11 18:06

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1,4-Difluorobenzene | 0.0297 | 0.0300 | 99 | 80-120 | |
| 4-Bromofluorobenzene | 0.0289 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 870524

Sample: 427255-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/21/11 08:24

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------------------|---------------------|--------------------|-----------------------|----------------------|-------|
| 1-Chlorooctane | 129 | 99.8 | 129 | 70-135 | |
| o-Terphenyl | 55.6 | 49.9 | 111 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: Rodke 'AOY' # 1

Work Orders : 427255,

Project ID: 30-015-28404

Lab Batch #: 869693

Sample: 427255-002 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/09/11 18:29

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|----------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1,4-Difluorobenzene | 0.0291 | 0.0300 | 97 | 80-120 | |
| 4-Bromofluorobenzene | 0.0284 | 0.0300 | 95 | 80-120 | |

Lab Batch #: 870524

Sample: 427255-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 09/21/11 08:54

SURROGATE RECOVERY STUDY

| TPH By SW8015B Mod | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|--------------------|------------------|-----------------|-----------------|-------------------|-------|
| Analytes | | | | | |
| 1-Chlorooctane | 117 | 100 | 117 | 70-135 | |
| o-Terphenyl | 47.6 | 50.1 | 95 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: Rodke 'AOY' # 1

Work Order #: 427255

Analyst: ASA

Date Prepared: 09/09/2011

Project ID: 30-015-28404

Date Analyzed: 09/09/2011

Lab Batch ID: 869693

Sample: 611215-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|-----------------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------|---|-------------------------------|----------|-------------------------|---------------------------|------|
| | | | | | | | | | | | |
| Benzene | <0.00100 | 0.100 | 0.101 | 101 | 0.100 | 0.112 | 112 | 10 | 70-130 | 35 | |
| Toluene | <0.00200 | 0.100 | 0.0911 | 91 | 0.100 | 0.101 | 101 | 10 | 70-130 | 35 | |
| Ethylbenzene | <0.00100 | 0.100 | 0.101 | 101 | 0.100 | 0.112 | 112 | 10 | 71-129 | 35 | |
| m_p-Xylenes | <0.00200 | 0.200 | 0.200 | 100 | 0.200 | 0.225 | 113 | 12 | 70-135 | 35 | |
| o-Xylene | <0.00100 | 0.100 | 0.0929 | 93 | 0.100 | 0.104 | 104 | 11 | 71-133 | 35 | |

Analyst: BBH

Date Prepared: 09/12/2011

Date Analyzed: 09/20/2011

Lab Batch ID: 870524

Sample: 611252-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------|---|-------------------------------|----------|-------------------------|---------------------------|------|
| | | | | | | | | | | | |
| C6-C10 Gasoline Range Hydrocarbons | <15.0 | 999 | 960 | 96 | 997 | 913 | 92 | 5 | 70-135 | 35 | |
| C10-C28 Diesel Range Hydrocarbons | <15.0 | 999 | 1000 | 100 | 997 | 899 | 90 | 11 | 70-135 | 35 | |

Relative Percent Difference RPD = $200 * [(C-F)/(C+F)]$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS / MSD Recoveries



Project Name: Rodke 'AOY' # 1

Work Order #: 427255

Project ID: 30-015-28404

Lab Batch ID: 869693

QC- Sample ID: 427255-002 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/09/2011

Date Prepared: 09/09/2011

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|-------------------------------|-----------------------------------|-----------------------|--------------------------------|-------------------------------|-----------------------|--|-----------------------------|----------|-------------------------|---------------------------|------|
| Benzene | 0.00240 | 0.119 | 0.107 | 88 | 0.118 | 0.107 | 89 | 0 | 70-130 | 35 | |
| Toluene | 0.00655 | 0.119 | 0.102 | 80 | 0.118 | 0.0990 | 78 | 3 | 70-130 | 35 | |
| Ethylbenzene | 0.00668 | 0.119 | 0.112 | 89 | 0.118 | 0.111 | 88 | 1 | 71-129 | 35 | |
| m p-Xylenes | 0.00730 | 0.239 | 0.217 | 88 | 0.237 | 0.212 | 86 | 2 | 70-135 | 35 | |
| o-Xylene | 0.00333 | 0.119 | 0.102 | 83 | 0.118 | 0.0978 | 80 | 4 | 71-133 | 35 | |

Lab Batch ID: 870524

QC- Sample ID: 427255-001 S

Batch #: 1 Matrix: Soil

Date Analyzed: 09/21/2011

Date Prepared: 09/12/2011

Analyst: BBH

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015B Mod Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|-----------------------------------|-----------------------|--------------------------------|-------------------------------|-----------------------|--|-----------------------------|----------|-------------------------|---------------------------|------|
| C6-C10 Gasoline Range Hydrocarbons | 42.8 | 1200 | 1300 | 105 | 1210 | 1130 | 90 | 14 | 70-135 | 35 | |
| C10-C28 Diesel Range Hydrocarbons | 99.7 | 1200 | 1910 | 151 | 1210 | 1140 | 86 | 50 | 70-135 | 35 | XF |

Matrix Spike Percent Recovery $[D] = 100 \cdot (C-A)/B$
Relative Percent Difference $RPD = 200 \cdot |(C-F)/(C+F)|$

Matrix Spike Duplicate Percent Recovery $[G] = 100 \cdot (F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Rodke 'AOY' # 1

Work Order #: 427255

Lab Batch #: 869514

Project ID: 30-015-28404

Date Analyzed: 09/08/2011 15:00

Date Prepared: 09/08/2011

Analyst: BRB

QC- Sample ID: 427255-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 17.1 | 17.1 | 0 | 20 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East
Odessa, Texas 79765**

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Jeremy Haass

Project Name: **Rodke 'AOY' #1**

Company Name Yates Petroleum Corporation

Project #: 30-015-28404

Company Address: 105 South 4th Street

Project Loc: Eddy

City/State/Zip: Artesia, NM 88210

PO #: 103-2636

Telephone No: 575-748-4311

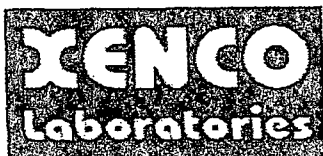
Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: _____

e-mail: jhaass@yatespetroleum.com

[illegible]



XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Yatis
Date/Time: 9/8/11 10:15
Lab ID #: 427255/427256(CU)
Initials: BN

Sample Receipt Checklist

| | | | | |
|---|--------------|--------------|--------------|--------------|
| 1. Samples on ice? | Blue | Water | No | |
| 2. Shipping container in good condition? | Yes | No | None | |
| 3. Custody seals intact on shipping container (cooler) and bottles? | Yes | No | N/A | |
| 4. Chain of Custody present? | Yes | No | | |
| 5. Sample instructions complete on chain of custody? | Yes | No | | |
| 6. Any missing / extra samples? | Yes | No | | |
| 7. Chain of custody signed when relinquished / received? | Yes | No | | |
| 8. Chain of custody agrees with sample label(s)? | Yes | No | | |
| 9. Container labels legible and intact? | Yes | No | | |
| 10. Sample matrix / properties agree with chain of custody? | Yes | No | | |
| 11. Samples in proper container / bottle? | Yes | No | | |
| 12. Samples properly preserved? | Yes | No | N/A | |
| 13. Sample container intact? | Yes | No | | |
| 14. Sufficient sample amount for indicated test(s)? | Yes | No | | |
| 15. All samples received within sufficient hold time? | Yes | No | | |
| 16. Subcontract of sample(s)? | Yes | No | N/A | |
| 17. VOC sample have zero head space? | Yes | No | N/A | |
| 18. Cooler 1 No. | Cooler 2 No. | Cooler 3 No. | Cooler 4 No. | Cooler 5 No. |
| lbs 4.6 °C | lbs °C | lbs °C | lbs °C | lbs °C |

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis

Analytical Report 427256

for

Yates Petroleum Corporation

Project Manager: Jeremy Haass

Rodke 'AOY' # 1

30-015-28404

21-SEP-11

Collected By: Client



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AAL11), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

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Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code: AZ000989): Arizona (AZ0758)



Certificate of Analysis Summary 427256

Yates Petroleum Corporation, Artesia, NM

Project Name: Rodke 'AOY' # 1



Project Id: 30-015-28404

Contact: Jeremy Haass

Project Location: Eddy

Date Received in Lab: Thu Sep-08-11 10:15 am


Report Date: 21-SEP-11

Project Manager: Brent Barron II

| <i>Analysis Requested</i> | <i>Lab Id:</i> | 427256-001 | 427256-002 | 427256-003 | 427256-004 | 427256-005 | 427256-006 |
|---------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | <i>Field Id:</i> | Sample # 1 | Sample # 2 | Sample # 3 | Sample # 4 | Sample # 5 | Sample # 6 |
| | <i>Depth:</i> | 1-1 ft | 2-2 ft | 2-2 ft | 4-4 ft | 2-2 ft | 5-5 ft |
| | <i>Matrix:</i> | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | <i>Sampled:</i> | Sep-07-11 10:20 | Sep-07-11 10:34 | Sep-07-11 10:48 | Sep-07-11 11:00 | Sep-07-11 11:11 | Sep-07-11 11:18 |
| Anions by E300 | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | Sep-11-11 19:03 | Sep-11-11 19:03 | Sep-11-11 19:03 | Sep-11-11 19:03 | Sep-11-11 19:03 | Sep-11-11 19:03 |
| | <i>Units/RL:</i> | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Chloride | | 19100 203 | 20400 499 | 18100 194 | 34300 992 | 14700 194 | 6390 96.9 |
| Percent Moisture | <i>Extracted:</i> | | | | | | |
| | <i>Analyzed:</i> | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 | Sep-08-11 15:00 |
| | <i>Units/RL:</i> | % RL | % RL | % RL | % RL | % RL | % RL |
| Percent Moisture | | 17.1 1.00 | 15.9 1.00 | 13.5 1.00 | 15.3 1.00 | 13.3 1.00 | 13.3 1.00 |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi


Brent Barron II
Odessa Laboratory Manager



Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection
- PQL** Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation
- DL** Method Detection Limit
- NC** Non-Calculable
- + Outside XENCO's scope of NELAC Accreditation.

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5332 Blackberry Drive, San Antonio TX 78238
2505 North Falkenburg Rd, Tampa, FL 33619
5757 NW 158th St, Miami Lakes, FL 33014
12600 West I-20 East, Odessa, TX 79765
6017 Financial Drive, Norcross, GA 30071
3725 E. Atlanta Ave, Phoenix, AZ 85040

| Phone | Fax |
|----------------|----------------|
| (281) 240-4200 | (281) 240-4280 |
| (214) 902 0300 | (214) 351-9139 |
| (210) 509-3334 | (210) 509-3335 |
| (813) 620-2000 | (813) 620-2033 |
| (305) 823-8500 | (305) 823-8555 |
| (432) 563-1800 | (432) 563-1713 |
| (770) 449-8800 | (770) 449-5477 |
| (602) 437-0330 | |



BS / BSD Recoveries



Project Name: Rodke 'AOY' # 1

Work Order #: 427256

Analyst: BRB

Date Prepared: 09/11/2011

Project ID: 30-015-28404

Date Analyzed: 09/11/2011

Lab Batch ID: 869667

Sample: 869667-1-BKS

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| Anions by E300 | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|----------------|-------------------------------|-----------------------|---------------------------------|-----------------------------|-----------------------|---|-------------------------------|----------|-------------------------|---------------------------|------|
| Analytes | | | | | | | | | | | |
| Chloride | <0.840 | 20.0 | 21.9 | 110 | 20.0 | 21.9 | 110 | 0 | 75-125 | 20 | |

Relative Percent Difference RPD = $200 * [(C-F)/(C+F)]$

Blank Spike Recovery [D] = $100 * (C)/[B]$

Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: Rodke 'AOY' # 1

Work Order #: 427256

Lab Batch #: 869667

Date Analyzed: 09/11/2011

Date Prepared: 09/11/2011

Project ID: 30-015-28404

Analyst: BRB

QC- Sample ID: 427256-001 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | | |
|--------------------------------------|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Analytes | | | | | | |
| Chloride | 19100 | 4830 | 24200 | 106 | 75-125 | |

Lab Batch #: 869667

Date Analyzed: 09/11/2011

Date Prepared: 09/11/2011

Analyst: BRB

QC- Sample ID: 427304-005 S

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | | |
|--------------------------------------|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Analytes | | | | | | |
| Chloride | 7.78 | 101 | 99.8 | 91 | 75-125 | |

Matrix Spike Percent Recovery [D] = $100 \times (C-A)/B$
Relative Percent Difference [E] = $200 \times (C-A)/(C+B)$
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit



Sample Duplicate Recovery



Project Name: Rodke 'AOY' # 1

Work Order #: 427256

Lab Batch #: 869667

Project ID: 30-015-28404

Date Analyzed: 09/11/2011 19:03

Date Prepared: 09/11/2011

Analyst: BRB

QC- Sample ID: 427256-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Anions by E300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | 19100 | 18800 | 2 | 20 | |

Lab Batch #: 869514

Date Analyzed: 09/08/2011 15:00

Date Prepared: 09/08/2011

Analyst: BRB

QC- Sample ID: 427255-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 17.1 | 17.1 | 0 | 20 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

All Results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

**12600 West I-20 East
Odessa, Texas 79765**

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: **Jeremy Haass**

Project Name: Rodke 'AOY' #1

Company Name Yates Petroleum Corporation

Project #: 30-015-28404

Company Address: 105 South 4th Street

Project Loc: Eddy

City/State/Zip: Artesia, NM 88210

PO #: 103-2636

Telephone No: 575-748-4311

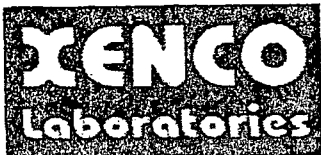
Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: _____

e-mail: ijaass@yatespetroleum.com

[illegible]



XENCO Laboratories
Atlanta, Boca Raton, Corpus Christi, Dallas
Houston, Miami, Odessa, Philadelphia
Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
Document No.: SYS-SRC
Revision/Date: No. 01, 5/27/2010
Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: yatis
Date/Time: 9/8/11 10:15
Lab ID #: 427255/427256(2)
Initials: LN

Sample Receipt Checklist

| | | | | |
|---|--------------|--------------|--------------|--------------|
| 1. Samples on ice? | Blue | Water | No | |
| 2. Shipping container in good condition? | Yes | No | None | |
| 3. Custody seals intact on shipping container (cooler) and bottles? | Yes | No | N/A | |
| 4. Chain of Custody present? | Yes | No | | |
| 5. Sample instructions complete on chain of custody? | Yes | No | | |
| 6. Any missing / extra samples? | Yes | No | | |
| 7. Chain of custody signed when relinquished //received? | Yes | No | | |
| 8. Chain of custody agrees with sample label(s)? | Yes | No | | |
| 9. Container labels legible and intact? | Yes | No | | |
| 10. Sample matrix / properties agree with chain of custody? | Yes | No | | |
| 11. Samples in proper container / bottle? | Yes | No | | |
| 12. Samples properly preserved? | Yes | No | N/A | |
| 13. Sample container intact? | Yes | No | | |
| 14. Sufficient sample amount for indicated test(s)? | Yes | No | | |
| 15. All samples received within sufficient hold time? | Yes | No | | |
| 16. Subcontract of sample(s)? | Yes | No | N/A | |
| 17. VOC sample have zero head space? | Yes | No | N/A | |
| 18. Cooler 1 No. | Cooler 2 No. | Cooler 3 No. | Cooler 4 No. | Cooler 5 No. |
| lbs 4.6 °C | lbs °C | lbs °C | lbs °C | lbs °C |

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis

November 11, 2011

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: RODKE 'AOY' #1

Enclosed are the results of analyses for samples received by the laboratory on 11/07/11 13:55.

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 Hydrocarbons |

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

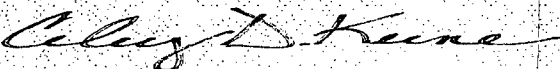
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #1 - 6' (H102403-01)

| BTEX 8021B mg/kg | | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 92.0 % 64.4-134

| Chloride, SM4500Cl-B mg/kg | | | Analyzed By: AP | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3640 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M mg/kg | | | Analyzed By: MS | | | | | | |
|-----------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

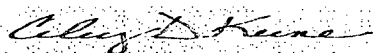
Surrogate: 1-Chlorooctane 81.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.3 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #2 - 3' (H102403-02)

| BTEX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3840 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|--------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

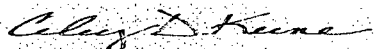
Surrogate: 1-Chlorooctane 89.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 105 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #3 - 3' (H102403-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 64.4-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2480 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 16.2 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | 468 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

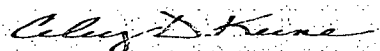
Surrogate: 1-Chlorooctane 102 % 55.5-154

Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Caley D. Keene

Sample ID: SAMPLE #4 - 6' (H102403-04)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | 0.060 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PII) 105 % 64.4-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 11700 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | 46.6 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | 1340 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

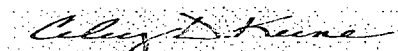
Surrogate: 1-Chlorooctane 93.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

Cardinal Laboratories

* = Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #5 - 6' (H102403-05)

| BTEX 8021B mg/kg | | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 64.4-134

| Chloride, SM4500Cl-B mg/kg | | | Analyzed By: AP | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M mg/kg | | | Analyzed By: MS | | | | | | |
|-----------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | 56.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

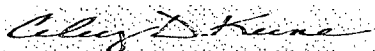
Surrogate: 1-Chlorooctane 87.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 102 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #6 - 10' (H102403-06)

| BTEX 8021B mg/kg | | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 64.4-134

| Chloride, SM4500Cl-B mg/kg | | | Analyzed By: AP | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M mg/kg | | | Analyzed By: MS | | | | | | |
|-----------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | 117 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

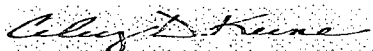
Surrogate: 1-Chlorooctane 102 % 55.5-154

Surrogate: 1-Chlorooctadecane 118 % 57.6-158

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/07/2011
Reported: 11/11/2011
Project Name: RODKE 'AOY' #1
Project Number: 30-015-28404
Project Location: EDDY

Sampling Date: 11/04/2011
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: SAMPLE #7 - 6' (H102403-07)

| BTEX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | 0.176 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | 0.243 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 116 % 64.4-134

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|--------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

Surrogate: 1-Chlorooctane 97.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 112 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #8 - 1" (H102403-08)

| BTEX 80218 | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | | |

Surrogate: 4-Bromofluorobenzene (PIL) 98.6 % 64.4-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 224 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | | |
| DRO >C10-C28 | 176 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | | |


Surrogate: 1-Chlorooctane 99.7 % 55.5-154

Surrogate: 1-Chlorooctadecane 115 % 57.6-158

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*=Accredited Analyte

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 Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #9 - 1" (H102403-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

Surrogate: 1-Chlorooctane 70.0 % 55.5-154

Surrogate: 1-Chlorooctadecane 82.6 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #10 - 1" (H102403-10)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | | |
| Total Xylenes* | 0.154 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | | |

Surrogate: 4-Bromofluorobenzene (PIL) 117 % 64.4-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <100 | 100 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | 4820 | 100 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |


Surrogate: 1-Chlorooctane 79.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 105 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Caley D. Keene

Sample ID: SAMPLE #11 -5' (H102403-11)

| BTEX 8021B mg/kg | | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 64.4-134

| Chloride, SM4500Cl-B mg/kg | | | Analyzed By: AP | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2080 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M mg/kg | | | Analyzed By: MS | | | | | | |
|-----------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | 599 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

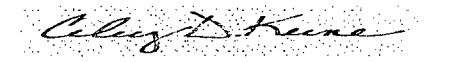
Surrogate: 1-Chlorooctane 96.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 114 % 57.6-158

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 Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #12 - 3' (H102403-12)

| BTX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|--------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

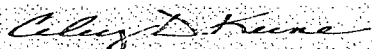
Surrogate: 1-Chlorooctane 93.7 % 55.5-154

Surrogate: 1-Chlorooctadecane 108 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #13 - 3' (H102403-13)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | | |

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|--------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | |

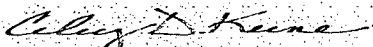
Surrogate: 1-Chlorooctane 91.2 % 55.5-154

Surrogate: 1-Chlorooctadecane 106 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #14 - 1' (H102403-14)

| BTEX 8021B | | | mg/kg | | | | | | | Analyzed By: MS | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|-----------------|--|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | | |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | | | | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | | | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | | | | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

| Chloride, SM4500Cl-B | | | mg/kg | | | | | | | Analyzed By: AP | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|--|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | | |
| Chloride | 112 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | | | | |

| TPH 8015M | | | Analyzed By: MS | | | | | | | |
|--------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.2 | 200 | 4.83 | | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 173 | 86.5 | 200 | 6.03 | | |

Surrogate: 1-Chlorooctane 88.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #15 - 1' (H102403-15)

| BTEX 8021B mg/kg | | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

| Chloride, SM4500Cl-B mg/kg | | | Analyzed By: AP | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M mg/kg | | | Analyzed By: MS | | | | | | |
|-----------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.0 | 200 | 2.79 | |
| DRO >C10-C28 | 10.0 | 10.0 | 11/10/2011 | ND | 215 | 107 | 200 | 2.04 | |

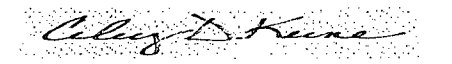
Surrogate: 1-Chlorooctane 108 % 55.5-154

Surrogate: 1-Chlorooctadecane 107 % 57.6-158

Cardinal Laboratories

* = Accredited Analyte

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 Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #16 - 1' (H102403-16)

| BTEX 8021B | | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | | |

Surrogate: 4-Bromofluorobenzene (PIL) 99.3 % 64.4-134

| Chloride, SM4500Cl-B | | | Analyzed By: AP | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | | | | | | Analyzed By: MS | | |
|--------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|--|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | | |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.0 | 200 | 2.79 | | | | |
| DRO >C10-C28 | 104 | 10.0 | 11/10/2011 | ND | 215 | 107 | 200 | 2.04 | | | | |

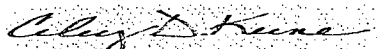
Surrogate: 1-Chlorooctane 107 % 55.5-154

Surrogate: 1-Chlorooctadecane 111 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #17 - 6' (H102403-17)

| BTEX 8021B | | | mg/kg | | | | | | | Analyzed By: MS | | |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|-----------------|--|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | | | |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | | | | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | | | | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | | | | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AP | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2760 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|--------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.0 | 200 | 2.79 | |
| DRO >C10-C28 | <10.0 | 10.0 | 11/10/2011 | ND | 215 | 107 | 200 | 2.04 | |

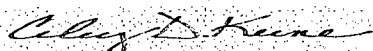
Surrogate: 1-Chlorooctane 108 % 53.5-154

Surrogate: 1-Chlorooctadecane 110 % 57.6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Caley D. Keene

Sample ID: SAMPLE #18 - 3' (H102403-18)

| BTEX 8021B mg/kg | | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/08/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | <0.150 | 0.150 | 11/08/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 64.4-134

| 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 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M mg/kg | | | Analyzed By: MS | | | | | | |
|-----------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.0 | 200 | 2.79 | |
| DRO >C10-C28 | 40.3 | 10.0 | 11/10/2011 | ND | 215 | 107 | 200 | 2.04 | |

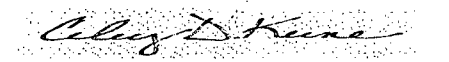
Surrogate: 1-Chlorooctane 102 % 55.5-154

Surrogate: 1-Chlorooctadecane 104 % 57.6-158

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 Caley D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 11/07/2011
 Reported: 11/11/2011
 Project Name: RODKE 'AOY' #1
 Project Number: 30-015-28404
 Project Location: EDDY

 Sampling Date: 11/04/2011
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: SAMPLE #19 - 1' (H102403-19)

| BTEX 8021B mg/kg | | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/09/2011 | ND | 2.10 | 105 | 2.00 | 9.09 | |
| Toluene* | 0.080 | 0.050 | 11/09/2011 | ND | 2.02 | 101 | 2.00 | 10.6 | |
| Ethylbenzene* | 0.723 | 0.050 | 11/09/2011 | ND | 2.33 | 117 | 2.00 | 11.5 | |
| Total Xylenes* | 1.34 | 0.150 | 11/09/2011 | ND | 6.70 | 112 | 6.00 | 11.6 | |

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 64.4-134

| Chloride, SM4500Cl-B mg/kg | | | Analyzed By: AP | | | | | | |
|----------------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 11/09/2011 | ND | 448 | 112 | 400 | 0.00 | |

| TPH 8015M mg/kg | | | Analyzed By: MS | | | | | | |
|-----------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10 | <10.0 | 10.0 | 11/10/2011 | ND | 174 | 87.0 | 200 | 2.79 | |
| DRO >C10-C28 | 237 | 10.0 | 11/10/2011 | ND | 215 | 107 | 200 | 2.04 | |

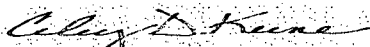
Surrogate: 1-Chlorooctane 92.6 % 55.5-154

Surrogate: 1-Chlorooctadecane 98.3 % 57.6-158

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

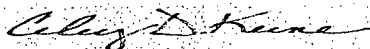
Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Page 22 of 23

Project Manager: Jeremy HaassProject Name: Rodke 'AOY' #1Comp: (505) 393-2326 Yates Petroleum CorporationProject #: 30-015-28404Company Address: 105 South 4th StreetProject Loc: EddyCity/State/Zip: Artesia, NM 88210PO #: 103-2636Telephone No: 575-748-4311

Fax No: _____

Report Format: ☒ Standard ☐ TRRP ☐ NPDESSampler Signature: [Signature]e-mail: jhaass@yatespetroleum.com

(lab use only)

ORDER #: H102403-

| LAB # (lab use only) | | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filtered | Total #. of Containers | Preservation & # of Containers | | | | | | | | | | Matrix | | | | | | | | | | Analyze For: | | | | | | | | | | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs | Standard TAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | Na ₂ S ₂ O ₃ | None | Other (Specify) | DW=Drinking Water SL=Sludge | GW = Groundwater S=Soil/Solid | NP=Non-Petroleum Specify Other | TPH: 418.1 | 8015M | 8015B | TPH: TX 1005 | TX 1006 | Cations (Ca, Mg, Na, K) | Anions (Cl, SO ₄ , Alkalinity) | SAR / ESP / DEC | Metals: As Ag Ba Cd Cr Pb Hg Se | Volatiles | Semivolatiles | BTEX 8021B/5030 or BTEX 8260 | RCI | N.O.R.M. | Chlorides | SAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TCLP: | TOTAL: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Special Instructions:

Laboratory Comments:

| | | | | | |
|-------------------------------------|-----------------------|----------------------|---------------------------------|-----------------------|----------------------|
| Relinquished by: <u>[Signature]</u> | Date: <u>11/07/11</u> | Time: <u>9:15 AM</u> | Received by: <u>[Signature]</u> | Date: <u>11/07/11</u> | Time: <u>1:55 PM</u> |
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: ELDT | Date: _____ | Time: _____ |

| | | | | |
|--|-------------------------------------|-----|-------|-----------|
| Sample Containers Intact? | <input checked="" type="checkbox"/> | N | | |
| VOCs Free of Headspace? | <input checked="" type="checkbox"/> | N | | |
| Labels on container(s) | <input checked="" type="checkbox"/> | N | | |
| Custody seals on container(s) | <input checked="" type="checkbox"/> | N | | |
| Custody seals on cooler(s) | <input checked="" type="checkbox"/> | N | | |
| Sample Hand Delivered by Sampler/Client Rep? | <input checked="" type="checkbox"/> | N | | |
| by Courier? | UPS | DHL | FedEx | Lone Star |
| Temperature Upon Receipt | <u>6°C</u> | °C | | |

