1RP-400-0

3rd QTR 2010 GW Monitoring results

DATE: December 17, 2010



DCP Midstream 370 17th Street, Suite 2500 Denver, CO 80202 303-595-3331 303-605-2226 *FAX*

December 17, 2010

Mr. Leonard Lowe Environmental Engineer New Mexico Oil Conservation Division 1220 S. St. Francis Dr. Santa Fe, NM 87505

RE: 3rd Quarter 2010 Groundwater Monitoring Results DCP X-Line Pipeline Release (1RP-400-0) Unit B, Section 7, T15S, R34E (Lat 33° 02' 11", Long 103° 32' 48")

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review, one copy of the 3rd Quarter 2010 Groundwater Monitoring Results for the DCP X-Line Pipeline Release located within the Etcheverry Ranch, Lea County, New Mexico.

If you have any questions regarding the report, please call at 303-605-1718 or e-mail me <u>swweathers@dcpmidstream.com</u>.

Sincerely

DCP Midstream, LP

Stephen Weathers, PG Principal Environmental Specialist

cc: Mrs. Etcheverry, Landowner - Certified Mail 91 7108 2133 3931 3926 3266 Larry Johnson, OCD Hobbs District Office (Copy on CD) Environmental Files

AEC AMERICAN ENVIRONMENTAL CONSULTING, LLC

November 22, 2010

Mr. Stephen Weathers DCP Midstream, LP 370 Seventeenth Street, Suite 2500 Denver, Colorado 80202

Re: Third Quarter 2010 Groundwater Monitoring Summary X-Line Pipeline Release, Etcheverry Ranch, Lea County, New Mexico Unit B, Section 7, Township 15 South, Range 34 East (1RP-400-0)

Dear Mr. Weathers:

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This letter summarizes the results of the quarterly groundwater monitoring activities completed September 13, 2010 for DCP Midstream, LP (DCP) at the X-Line Pipeline Release on the Etcheverry Ranch at 33.0364° north, 103.5467° west (Figure 1).

The eight monitoring well locations are shown on Figure 2. All wells were sampled. Well construction information is summarized in Table 1.

The depths to water were measured in each well prior to purging. This data was used to calculate well casing-volume storage. The wells were then purged and sampled using dedicated bailers. Well purging consisted of removing a minimum of three casing volumes of water and, as necessary, continuing bailing until the field parameters temperature, pH and conductivity stabilized. The field sampling forms are attached.

Unfiltered samples were collected from each well upon stabilization except for well MW-8 that was bailed down to within 6 inches of it bottom. Each sample was analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method SW-846, 8260B. A matrix spike/matrix spike duplicate was analyzed from MW-7. A field duplicate was collected from MW-8.

The samples were placed in an ice-filled chest immediately upon collection and documented using standard chain-of-custody protocol. The samples were delivered to AccuTest Laboratories in Wheat Ridge, Colorado. All affected purge water was stored on site for ultimate disposal.

The groundwater elevation measurements for all sampling episodes are summarized in Table 2. Well MW-8 is not included because its casing elevation has not been established. Hydrographs for wells MW-1 through MW-7 are shown on Figure 3. Figure 3 shows that the water-table elevations both increase and decreased slightly across the site. The water-table elevations remain at the upper end of the fluctuation range measured over the duration of this project.

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Mr. Stephen Weathers November 22, 2010 Page 2

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No free phase hydrocarbons (FPH) were measured in MW-8. The FPH thickness values that were measured in MW-8 during the monitoring program are summarized in Table 3. FPH has not been detected in MW-8 at a thickness greater than 0.01 feet since December 2008.

A water-table contour map based upon the sampling event measurements was generated using the Surfer program with a kriging option (Figure 4). The water-table configuration reflects the historical conditions of general eastward flow.

The laboratory report is attached. The Quality Assurance data for the sampling event was reviewed. Important quality control evaluations include:

- The samples were all analyzed within the required 14-day holding time;
- None of the individual surrogate spikes were outside their control ranges;
- The method blank and blank spike evaluations were within their respective control limits.
- The matrix spike and the matrix spike duplicate results for MW-7 were all within their acceptable ranges.
- The BTEX relative percentage difference values for primary and duplicate samples from MW-8 had that were less than 10 percent.

The above results establish that the samples are suitable for routine groundwater monitoring evaluation.

Table 4 summarizes the sampling results for this event. A copy of the laboratory report is attached. Examination of Table 4 indicates that:

- 1. No benzene was detected above the method reporting limit in wells MW-1 through MW-7.
- 2. No toluene was detected above the method reporting limit in wells MW-1 through MW-7.
- 3. Ethylbenzene and xylenes were not measured in any of the wells except MW-2 and MW-8.
- 4. MW-2 contained ethylbenzene and xylenes above the method reporting limit; however, the concentrations were substantially below their respective New Mexico Water Quality Control Commission (NMWQCC) groundwater standards.

Mr. Stephen Weathers November 22, 2010 Page 3

5. The MW-8 sample contained benzene, toluene and xylenes at concentrations that exceeded the NMWQCC groundwater standards.

The benzene distribution for this event is shown on Figure 5. Combining the groundwater flow path shown in Figure 4 with this data establishes that the BTEX constituents in MW-8 and the ethylbenzene and xylenes in MW-2 attenuated to below their respective method reporting limits before migrating downgradient to MW-7.

All of the historical data for benzene, toluene, ethylbenzene and total xylenes are summarized in Tables 5, 6, 7, and 8 respectively. There have been no exceedances of the NMWQCC Groundwater Standards since October 2004 for MW-2 and March 2005 for MW-3. There have never been any exceedances in MW-1, MW-4, MW-5, MW-6 and MW-7.

The BTEX concentrations in MW-8 are graphed over time in Figure 6. The benzene toluene and ethylbenzene concentrations have decreased from their spring 2009 highs. The xylenes concentration has continued to increase slightly but it remains below its historic high.

The iSOC® (short for in-situ Submerged Oxygen Curtain) device that was installed in April 2007 in MW-8 to increase the dissolved oxygen in the groundwater was found to be inoperative so it was repaired. Its effectiveness will continue to be evaluated.

The next monitoring episode is scheduled for the fourth quarter of 2010. Do not hesitate to contact me if you have any questions or comments on this report.

Respectfully submitted, AMERICAN ENVIRONMENTAL CONSULTING, LLC

Muchael H. Stewart

Michael H. Stewart, P.E. Principal Engineer

MHS:tbm

TABLES

| NV 11 | Date | Well | Completion | Top of |
|-------|-----------|-------|------------|--------|
| Well | Installed | Depth | Interval | Sand |
| MW-1 | 3/02 | 91 | 71-91 | 68 |
| MW-2 | 3/02 | 88 | 68-88 | 62 |
| MW-3 | 3/02 | 91 | 71-91 | 61 |
| MW-4 | 4/02 | 91 | 71-91 | 68 |
| MW-5 | 4/02 | 89 | 69-89 | 56 |
| MW-6 | 4/02 | 90 | 70-90 | 68 |
| MW-7 | 5/02 | 85 | 65-85 | 59 |
| MW-8 | 5/09 | 84 | 49-84 | 45 |

Table 1 – Monitoring Well Completions

Notes: Units are Feet

Hydrocarbon extraction well (MW-8) completed between approximately 80 and 100 feet

Table 2 - Measured Water Table Elevations

Contraction of the

 $\frac{1}{2} \frac{1}{2} \frac{1}$

 $= \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n}$

| 1 3/3/05 | WW-1 4088.54 4088.53 4088.55 4088.55 4088.52 4088.54 4088.53 4088.60 4088.59 4089.19 4089.12 4089.22 4089.18 4089.34 | 9.07 4089.04 4089.09 4089.06 4089.11 4089.13 4088.90 4089.03 4089.06 4089.03 4089.68 | VIW-3 4088.83 4088.86 4088.85 4088.85 4088.82 4088.87 4088.84 4088.90 4088.95 4088.82 4088.81 4088.84 4088.82 4089.24 | WW-4 4088.63 4088.73 4088.73 4088.73 4088.70 4088.72 4088.71 4088.78 4088.78 4088.74 4088.70 4088.73 4088.71 4088.79 | 8.65 4088.63 4088.66 4088.65 4088.70 4088.70 4088.65 4088.65 4088.60 4088.63 4088.62 4088.73 | MW-6 4088.69 4088.71 4088.70 4088.69 4088.66 4088.70 4088.68 4088.74 4088.74 4088.69 4088.66 4088.71 4088.68 4088.83 | 4088.04 4088.01 4088.04 4088.03 4088.08 4088.08 4087.66 4087.63 4087.68 4087.65 4087.65 4087.78 |
|---|--|--|---|--|--|--|---|
| 12/09/04 | 4089.18 | 4089.03 | 4088.82 | 4088.71 | 4088.62 | 4088.68 | 4087.65 |
| 10/18/04 | 4089.22 | 4089.06 | 4088.84 | 4088.73 | 4088.63 | 4088.71 | 4087.68 |
| 6/25/04 | 4089.12 | 4089.03 | 4088.81 | 4088.70 | 4088.60 | 4088.66 | 4087.63 |
| 2/18/04 | 4089.19 | 4088.90 | 4088.82 | 4088.74 | 4088.65 | 4088.69 | 4087.66 |
| 11/20/03 | 4088.59 | 4089.13 | 4088.95 | 4088.78 | 4088.70 | 4088.74 | 4088.08 |
| Well 5/1/02 9/6/02 4/28/03 6/19/03 7/17/03 8/20/03 9/22/03 10/29/03 11/20/03 2/18/04 6/25/04 10/18/04 12/09/04 3/3/05 | 4088.60 | 4089.11 | 4088.90 | 4088.78 | 4088.70 | 4088.74 | 4088.08 |
| 9/22/03 | 4088.53 | 4089.06 | 4088.84 | 4088.71 | 4088.65 | 4088.68 | 4088.03 |
| 8/20/03 | 4088.54 | 4089.09 | 4088.87 | 4088.72 | 4088.66 | 4088.70 | 4088.04 |
| 7/17/03 | 4088.52 | 4089.04 | 4088.82 | 4088.70 | 4088.63 | 4088.66 | 4088.01 |
| 6/19/03 | 4088.55 | 4089.07 | 4088.85 | 4088.73 | 4088.65 | 4088.69 | 4088.04 |
| 4/28/03 | 4088.55 | 4089.05 | 4088.86 | 4088.73 | 4088.67 | 4088.70 | |
| 9/6/02 | 4088.53 | 4089.03 | 4088.86 | 4088.73 | 4088.68 | 4088.71 | |
| 5/1/02 | 4088.54 | MW-2 4089.02 4089.03 4089.05 4089 | 4088.83 | 4088.63 | <u>WW-5</u> 4088.60 4088.68 4088.67 4088 | 4088.69 | |
| Well | MW-1 | MW-2 | <u>MW-3</u> | MW-4 | MW-5 | MW-6 | MW-7 |

| 5 | 0/28/05 | Well 6/3/05 9/28/05 12/12/05 3/1/ | 3/1/06 | 6/26/06 | 9/28/06 | 06 6/26/06 9/28/06 12/21/06 3/13/07 6/26/07 9/5/07 12/27/07 3/20/08 6/27/08 9/15/08 | 3/13/07 | 6/26/07 | 9/5/07 | 12/27/07 | 3/20/08 | 6/27/08 | 9/15/08 |
|----|---------|------------------------------------|---------|---------|---------|--|---------|---------|---------|----------|---------|---------|---------|
| L | | | | | | | | | | | | | |
| | 4089.25 | 4089.23 | 4089.23 | 4089.22 | 4089.16 | VW-1 4089.26 4089.25 4089.23 4089.23 4089.22 4089.16 4089.24 4089.20 4089.21 4089.26 4089.27 4089.37 4089.36 4089.28 | 4089.20 | 4089.24 | 4089.26 | 4089.27 | 4089.37 | 4089.36 | 4089.28 |
| | 4089.10 | 4089.07 | 4089.08 | 4089.05 | 4089.00 | MW-2 4089.10 4089.10 4089.07 4089.08 4089.05 4089.00 4089.00 4089.09 4089.05 4089.08 4089.10 4089.11 4089.22 4089.21 | 4089.05 | 4089.08 | 4089.10 | 4089.11 | 4089.22 | 4089.21 | 4089.14 |
| | 4088.89 | VIW-3 4088.91 4088.89 4088.88 4088 | 4088.88 | 4088.85 | 4088.84 | .88 4088.85 4088.84 4088.88 4088.85 4088.87 4088.89 4088.86 4089.01 4089.00 | 4088.85 | 4088.87 | 4088.89 | 4088.86 | 4089.01 | 4089.00 | 4088.92 |
| | 4088.77 | MW-4 4088.79 4088.77 4088.76 4088 | 4088.75 | 4088.73 | 4088.73 | 75 4088.73 4088.73 4088.76 4088.72 4088.75 4088.77 4088.75 4088.88 4088.84 | 4088.72 | 4088.75 | 4088.77 | 4088.75 | 4088.88 | 4088.84 | 4088.82 |
| | 4088.67 | 4088.66 | 4088.66 | 4088.63 | 4088.62 | MW-5 4088.68 4088.67 4088.66 4088.66 4088.63 4088.62 4088.62 4088.66 4088.62 4088.66 4088.66 4088.68 4088.66 4088.76 4088.76 | 4088.62 | 4088.66 | 4088.68 | 4088.66 | 4088.76 | 4088.76 | 4088.72 |
| 10 | 4088.74 | MW-6 4088.75 4088.74 4088.73 4088 | 4088.72 | 4088.70 | 4088.66 | 8.72 4088.70 4088.66 4088.73 4088.70 4088.73 4088.74 4088.71 4088.84 4088.89 | 4088.70 | 4088.73 | 4088.74 | 4088.71 | 4088.84 | 4088.89 | 4088.77 |
| | 4087.70 | 4087.70 | 4087.70 | 4087.67 | 4087.62 | MW-7 4087.71 4087.70 4087.70 4087.70 4087.67 4087.62 4087.69 4087.66 4087.71 4087.71 4087.70 4087.79 4087.81 | 4087.66 | 4087.71 | 4087.71 | 4087.70 | 4087.79 | 4087.81 | 4087.75 |

| Well | 12/1/08 | 3/11/09 | 5/27/09 | 9/24/09 | 12/18/09 | 3/25/10 | Well 12/1/08 3/11/09 5/27/09 9/24/09 12/18/09 3/25/10 6/30/10 9/16/10 | 9/16/10 |
|--------|----------------------|-------------------------|---------|--------------------------------------|----------|---------|---|---------|
| | | | | | | | | - |
| MW-1 | | 4089.37 4089.27 4089.35 | | 4089.33 | 4089.37 | 4089.28 | 4089.34 4089.34 | 4089.34 |
| MW-2 | 4089.19 | 4089.13 | | | 4089.25 | 4089.19 | 4089.20 | 4089.20 |
| MW-3 | 4088.99 | 4088.92 | 4088.07 | 4088.98 | | 4088.97 | 4088.92 | 4088.97 |
| MW-4 | 4088.84 | 4088.79 4088.91 | 4088.91 | 4088.87 | 4088.90 | 4088.81 | 4088.85 | 4088.84 |
| MW-5 | MW-5 4088.77 | 4088.69 | 4088.80 | 4088.75 | 4088.79 | 4088.71 | 4088.73 | 4088.72 |
| MW-6 | MW-6 4088.84 4088.77 | 4088.77 | 4088.87 | 4088.82 | | 4088.80 | 4088.78 | 4088.82 |
| MW-7 | 4087.82 | 4087.76 | 4087.80 | MW-7 4087.82 4087.76 4087.80 4087.90 | 4087.82 | 4087.75 | 4087.87 | 4087.79 |
| Notes: | Units are feet | et - | | | | | | |

Blank cells: Wells not installed

| | Product |
|----------------|-----------|
| Measurement | Thickness |
| Date | (feet) |
| | |
| 09/06/02 | 5.20 |
| 04/28/03 | 5.65 |
| 06/19/03 | 4.01 |
| 07/17/03 | 3.93 |
| 09/22/03 | 3.42 |
| 10/29/03 | 1.42 |
| 11/20/03 | 0.79 |
| 06/25/04 | 0.03 |
| 10/18/04 | 3.26 |
| 12/09/04 | 2.71 |
| 03/03/05 | 0.00 |
| 06/03/05 | 0.12 |
| 09/28/05 | 1.01 |
| 12/12/05 | 0.00 |
| 03/01/06 | 0.04 |
| 06/26/06 | 0.03 |
| 09/28/06 | 0.00 |
| 12/21/06 | 0.28 |
| 03/13/07 | 0.01 |
| 06/26/07 | 1.22 |
| 09/05/07 | 0.40 |
| 12/27/07 | 0.03 |
| 03/20/08 | 0.00 |
| 06/27/08 | 0.00 |
| 09/15/08 | 0.00 |
| 12/01/08 | 0.33 |
| 03/11/09 | 0.00 |
| 08/07/09 | 0.00 |
| 09/24/09 | 0.00 |
| 12/18/09 | 0.00 |
| 03/25/10 | 0.01 |
| 06/30/10 | 0.00 |
| 09/16/10 | 0.00 |
| Units are feet | |

Table 3 – Summary of Free Phase Hydrocarbon Thickness in MW-8

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| | | | | Xylenes |
|-----------|---------|---------|-------------|---------|
| Well | Benzene | Toluene | Ethlbenzene | (total) |
| NMWQCC | | | | |
| Standards | 0.01 | 0.75 | 0.75 | 0.62 |
| | | | | |
| MW-1 | < 0.001 | < 0.002 | < 0.002 | < 0.004 |
| MW-2 | < 0.001 | < 0.002 | 0.007 | 0.0786 |
| MW-3 | < 0.001 | < 0.002 | < 0.002 | < 0.004 |
| MW-4 | < 0.001 | < 0.002 | < 0.002 | < 0.004 |
| MW-5 | < 0.001 | < 0.002 | < 0.002 | < 0.004 |
| MW-6 | < 0.001 | < 0.002 | < 0.002 | < 0.004 |
| MW-7 | < 0.001 | < 0.002 | < 0.002 | < 0.004 |
| MW-8 | 0.653 | 1.07 | 0.165 | 6.37 |
| MW-8 Dup | 0.685 | 1.07 | 0.150 | 6.62 |

Table 4 – Third Quarter 2010 Groundwater Monitoring Results

Notes: Units are mg/l

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NMWQCC Standards: New Mexico Water Quality Control Commission Groundwater Standards

Bold values exceed standards

| 12/12/05 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.561 |
|--|----------------------------|----------------|-------------------|----------------------------------|----------------------------|--------------------------------|--------|-------|
| 9/28/05 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 6/3/05 | <0.001 | <0.001 | 0.00332 | <0.001 | <0.001 | <0.001 | | FPH |
| 3/3/05 | <0.001 | <0.001 | 0.00167 | <0.001 | <0.001 <0.001 | <0.001 | <0.001 | NS |
| 12/9/04 | <0.001 | 0.00342 | 0.006137 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 20/03 9/22/03 10/29/03 11/20/03 2/18/04 6/25/04 10/18/04 12/9/04 | <0.001 | 0.0103 | .00584 (| <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 6/25/04 | <0.001 | <0.001 0.00156 | 0.0173 | | <0.001 | <0.001 | <0.001 | НЧЯ |
| 2/18/04 | <0.001 <0.001 | <0.001 | 0.048 0.0280 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 11/20/03 | <0.001 | 0.013 < | | | <0.001 < | <0.001 | 0.001 | FPH |
| 10/29/03 | <0.001 | 0.001 | 0.044 | <0.001 | <0.001 | <0.001 | 0.001 | FPH |
| 9/22/03 | <0.001 | 0.022 | 0.049 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 8/20/03 | <0.001 | 0.024 | 0.017 | Y I | <0.001 | <0.001 | <0.001 | FPH |
| 7/17/03 | <0.001 | 0.155 | 0.063 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 6/19/03 | <0.001 | 0.074 | 0.047 | <0.001 | <0.001 | <0.001 | <0.001 | Hd∃ |
| 4/28/03 | <0.001 | 0.182 | 0.099 | <0.001 | 0.005 | 0.003 | <0.001 | НdЭ |
| 5/21/02 | <0.002 0.002 <0.001 <0.001 | 0.145 | 0.061 0.176 0.099 | <0.002 | <0.002 <0.002 0.005 <0.001 | 0.002 | | |
| Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/ | <0.002 | MW-2 0.0255 | 0.061 | MW-4 <0.002 <0.002 <0.001 <0.001 | <0.002 | MW-6 <0.002 0.002 0.003 <0.001 | i I | |
| Well | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 | MW-8 |

| | - | | | _ | | |
|---|---|--|---|---|---|--|
| | | | | | | |
| < 0.002 0.00093 < 0.002 < 0.002 < 0.002 0.002 | <0.001 <0.002 $0.00093 <0.002 <0.002 <0.002 $ | <0.001 < 0.001 < 0.001 < 0.002 0.00093 < 0.002 < 0.002 < 0.002 | <0.001<0.001<0.002 | <0.001 < 0.001 < 0.001 < 0.001 < 0.001 < 0.002 < 0.0002 < 0.002 < 0.002 < 0.002 | <0.001 < 0.001 < 0.001 < 0.001 < 0.001 < 0.001 < 0.002 0.0023 < 0.002 < 0.002 < 0.002 | <0.001 < 0.001 < 0.001 < 0.001 < 0.001 < 0.001 < 0.001 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.002 < 0.0 |
| <0.002 0.00057 <0.002 0.00066 | <0.001 | 0.000674 < 0.001 < 0.002 0.00057 < 0.002 0.00096 0.00096 | <0.0010.000674 <0.001 <0.002 0.00057 <0.002 0.0096 0.00096 | 0.0007 < 0.001 0.000674 < 0.001 < 0.002 0.00057 < 0.002 0.00096 0.00096 | 0.0006 0.0007 <0.001 0.000674 <0.001 <0.002 0.00057 <0.002 0.00096 0.00096 | 0.0006 0.0007 <0.001 0.000674 <0.001 <0.002 0.00057 <0.002 0.00096 0.00096 |
| <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 | <0.001<0.002 | <0.001<0.001<0.002<0.002<0.002<0.002<0.002<0.002<0.002 | <0.001<0.001<0.002<0.002<0.002<0.002<0.002<0.002<0.002 | <0.001<0.001<0.002<0.002<0.002<0.002<0.002<0.002<0.002 | <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.002 <0.002 <0.002 <0.002 <0.002 | <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 |
| <0.002 0.00053 <0.002 | <0.002 0.00053 <0.002 | <0.001 | <0.001 | <0.001 <0.001 <0.001 <0.002 0.00053 <0.002 <0.002 <0.002 | <0.001 | <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.002 0.00053 <0.002 <0.002 <0.002 |
| <0.002 <0.002 <0.002 <0.002 <0.002 | <0.002 <0.002 <0.002 <0.002 <0.002 | <0.001<0.001 | <0.001<0.001 | <0.001 <0.001 <0.001 <0.001 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 | <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 | |
| <0.002 | <0.002 <0.002 <0.002 <0.002 | <0.001<0.001<0.001<0.002 | <0.001<0.001<0.002 | <0.001 <0.001 <0.001 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 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<0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 |
| <pre>>0.002 < 0.002 < 0.002 < 0.002</pre> | <pre></pre> | <pre>////////////////////////////////////</pre> | <pre></pre> | v.0001 v.001 v.001 v.001 v.001 v.001 v.001 v.002 v.022 v.002 v.022 v.022 <t< td=""><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td></t<> | $ \begin{array}{c c c c c c c c c c c c c c c c c c c $ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| <0.002 <0.002 <0.002 <0.002 | <0.001 <0.002 <0.001 <0.002 <0.001 <0.002 <0.001 <0.002 <0.002 <0.002 <0.002 | 0.000674 <0.001 <0.002 <0.001 <0.001 <0.002 <0.001 <0.001 <0.002 <0.001 <0.001 <0.002 <0.001 <0.001 <0.002 | <0.001 0.000674 <0.001 <0.002 <0.001 <0.001 <0.001 <0.002 <0.001 <0.001 <0.001 <0.002 <0.001 <0.001 <0.001 <0.002 <0.001 <0.001 <0.002 | 0.0007 <0.001 | 0.0006 0.0007 <0.001 | <0.001 0.0006 0.0007 <0.001 0.000674 <0.001 <0.002 <0.001 |
| | 100.05 100.05 100.05 100.05 100.05 | 0.000674 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| | <u>↓ </u> | <pre><0.001</pre> <pre><0.001</pre> <pre><0.001</pre> <pre><0.001</pre> <pre><0.001</pre> | <pre><0.001</pre> <pre></pre> | <pre><0.001 <0.001 <0.001 <0.001</pre> | <0.001 | <0.001 <0.001 <0.001 <0.001 <0.001 <0.0005 <0.001 <0.0001 <0.0001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 |

| Well | 01/02/9 | 6/30/10 9/16/10 |
|------|---------|-----------------|
| | | |
| 1-WW | <0.0003 | <0.001 |
| MW-2 | <0.0003 | <0.001 |
| MW-3 | <0.0003 | <0.001 |
| MW-4 | <0.0003 | <0.001 |
| MW-5 | <0.0003 | <0.001 |
| MW-6 | <0.0003 | <0.001 |
| MW-7 | <0.0003 | <0.001 |
| MW-8 | 0.594 | 0.653 |
| | | |

Units are mg/l: Duplicate sample results were averaged together: Indicators for estimated (J) values not shown: FPH: Free phase hydrocarbons present. no sample collected: * Sample collected 8/7/09 Notes:

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Table 5 - Summary of Laboratory Data for Benzene

| 12/12/05 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 2.98 |
|--|-----------------------------|---------------------------------------|-------------------------------|---------------------------|---------------------------|--|----------------------|------|
| 9/28/05 | <0.001 | <0.001 | <0.001 <0.001 <0.001 0.000482 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 6/3/05 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 3/3/05 | <0.001 | <0.001 | <0.001 | <0.001 <0.001 <0.001 | <0.001 <0.001 <0.001 | <0.001 <0.001 <0.001 | <0.001 <0.001 <0.001 | NS |
| 12/9/04 | <0.001 | 0.00206 | <0.001 | <0.001 | <0.001 | <0.001 | | FPH |
| 10/18/04 | <0.001 <0.001 <0.001 <0.001 | 0.00108 0.00648 0.00206 <0.001 <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/20/03 10/29/03 11/20/03 2/18/04 6/25/04 10/18/04 3/3/05 6/3/05 12/12/05 | <0.001 | 0.00108 | <0.001 0.000158 | <0.001 | <0.001 | <0.001 | | FPH |
| 2/18/04 | <0.001 | 0.017 0.00652 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 11/20/03 | <0.001 | 0.017 | 0.003 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 10/29/03 | <0.001 | 0.004 | <0.001 | <0.001 | <0.001 | <0.001 | 0.001 | FPH |
| 9/22/03 | <0.001 | 0.051 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 8/20/03 | <0.001 | 0.092 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 7/17/03 | | 0.15 | 0.002 | <0.001 <0.001 | <0.001 <0.001 <0.001 | <0.001 | <0.001 | НdЭ |
| 6/19/03 | <0.001 <0.001 | 0.066 | 0.005 <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | НdЭ |
| 4/28/03 | <0.001 | 0.092 | 0.005 | <0.001 | <0.001 | <0.001 | <0.001 | НdЭ |
| 5/21/02 | 0.003 | 0.833 | 0.004 | <0.002 | <0.002 | <0.002 | 1 | 1 |
| 4/24/02 | <0.002 0.003 <0.001 | 0.107 | MW-3 <0.002 | MW-4 <0.002 <0.002 <0.001 | MW-5 <0.002 <0.002 <0.001 | MW-6 <0.002 <0.002 <0.001 <0.001 <0.001 <0.001 | 1 | |
| ell | I-WM | MW-2 | W-3 | W-4 | W-5 | W-6 | MW-7 | MW-8 |

Table 6 - Summary of Laboratory Data for Toluene

| 6/26/07 9/5/07 12/27/07 3/20/08 6/27/08 9/15/08 12/1/08 3/11/09 5/27/09 9/24/09 12/18/09 3/25/10 | 02 <0.002 | | 02 <0.002 | | Ň | 02 <0.002 | 02 <0.002 | 1 63.4 |
|--|--|--|---|--|---|--|---|-------------------------------|
| 12/18/ | <pre>< <0.002</pre> | | < <0.002 | <u> </u> | | | | 1.11 |
| 9/24/0 | <0.002 | · · | <0.002 | · · | | | <0.002 | 2.52 |
| 5/27/09 | <0.002 | | | <0.002 | | <0.002 | <0.002 | 2.00* |
| 3/11/09 | <0.002 | 0.03 0.0073 0.03 0.0135 0.0048 | <0.002 | <0.002 0.001 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 | <0.002 | <0.001 <0.002 0.0013J <0.002 0.0008 <0.002 <0.002 <0.002 | <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 <0.002 | 0.257 |
| 812/1/08 | 2 < 0.002 | 0.0135 | 2 < 0.002 | 2 < 0.002 | 2 < 0.002 | 2 < 0.002 | 2 < 0.002 | FPH 0.35 0.388 0.25 FPH 0.257 |
| 8 9/15/0 | 2 <0.002 | 0.03 | 2 <0.00 | 200.02 | 200.02 | 8 <0.002 | 200.02 | 0.25 |
| 8 6/27/08 | 2 < 0.002 | 0.0073 | 2 <0.002 | 2 <0.002 | 2 <0.002 | 2 0.0009 | 2 <0.002 | 0.388 |
| 73/20/0 | <0.002 | 0.03 | 2 <0.00 | <0.00 | 8 <0.002 | J <0.00 | 2 <0.00 | 0.35 |
| 12/27/0 | 0.002 | 0.0102 0.0075 0.0039 | 0.0012 | 0.001 | <u>2 0.000</u> | 2 0.0013 | 2 <0.00 | FPH |
| 7 9/5/07 | 1 < 0.002 | 2 0.0075 | < 0.002 | 1 <0.002 | < 0.002 | <0.002 | < 0.002 | FPH |
| 7 6/26/0 | 1 <0.001 | | 1 <0.001 | 1 <0.001 | | | | FPH |
| 06 3/13/0 | 1 <0.00 | 0.0051 | 1 <0.00 | 1 <0.001 | 1 <0.00 | 1 <0.001 | 1 <0.001 | 0.977 |
| 6 12/21/(| <0.00 | 7 < 0.00 | <00.00 | <0.00 | <00.00 | <0.00 | <0.00 | FPH |
| Well 3/1/06 6/26/06 9/28/06 12/21/06 3/13/07 | MW-1 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 | MW-2 <0.001 0.00114 0.00137 <0.001 0.00512 | MW-3 <0.001 <0.001 <0.001 <0.001 <0.001 | MW-4 <0.001 <0.001 <0.001 <0.001 <0.001 | MW-5 <0.001 <0.001 <0.001 <0.001 <0.001 | AW-6 <0.001 <0.001 <0.001 <0.001 <0.001 | JW-7 <0.001 <0.001 <0.001 <0.001 <0.001 | MW-8 FPH FPH 0.791 FPH |
| 6/26/0t | <0.001 | 0.0011 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 3/1/06 | <0.001 | 2 < 0.001 | 3 <0.001 | 1 < 0.001 | 5 <0.001 | 5 < 0.001 | 7 <0.001 | FPH |
| Well | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-(| 7-WM | MW-8 |

| Well | 6/30/10 | 6/30/10 9/16/10 |
|------|---------|-----------------|
| | | |
| 1-WM | <0.001 | <0.002 |
| MW-2 | <0.001 | <0.002 |
| MW-3 | <0.001 | <0.002 |
| MW-4 | <0.001 | <0.002 |
| MW-5 | <0.001 | <0.002 |
| MW-6 | <0.001 | <0.002 |
| MW-7 | <0.001 | <0.002 |
| MW-8 | 1.48 | 1.07 |
| | | |

Units are mg/l: Duplicate sample results were averaged together: Indicators for estimated (J) values not shown: FPH: Free phase hydrocarbons present, no sample collected: * Sample collected 8/7/09 Notes:

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| 9/28/05 12/12/05 | <0.001 <0.001 | <0.001 <0.001 | , | · | <0.001 <0.001 | <0.001 <0.001 | <0.001 <0.001 | FPH 0.928 |
|---|----------------|---------------|-----------------|-----------|---------------|--------------------|---------------|-----------|
| 6/3/05 9/28 | <0.001 <0. | | 0.00574 0.00101 | | | | | FPH I |
| | | | | | | | | NS |
| 4 3/3/05 | 01 <0.001 | 22 <0.001 | 84 0.00 |)1 <0.(| 10.001 | | 01 <0.001 | |
| 12/9/04 | <0.001 | 5 0.00122 | 2 0.00884 0. | 1 <0.00 | 1 <0.001 | <0.001 | 100.0> 1 | |
| 10/18/04 | <0.001 | 0.0033 | 0.0069 | <0.00 | <0.001 | <0.001 | | Hd∃ |
| 6/25/04 | <0.001 | 0.0005 | 0.0136 | <0.001 | <0.001 | <0.001 | <0.001 | |
| 2/18/04 | <0.001 | | 0.0138 | <0.001 | <0.001 | <0.001 | | FPH |
| 11/20/03 2/18/04 6/25/04 | <0.001 | | | | | <0.001 | <0.001 | FPH |
| 10/29/03 | <0.001 | 0.002 | | · | | | 0.001 | FPH |
| 9/22/03 | <0.001 | 0.012 | 0.02 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 8/20/03 | <0.001 | 0.012 | 0.006 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 7/17/03 | <0.001 | 0.112 | 0.023 | <0.001 | <0.001 | 0.004 | <0.001 | FPH |
| 6/19/03 | <0.001 | 0.069 | 0.02 | < 0.001 < | <0.001 <0.001 | <0.001 | <0.001 | FPH |
| 4/28/03 | <0.001 | 0.121 | 0.0 | <0.00 | <0.00 | 0.002 0.002 <0.001 | <0.001 | FPH |
| 5/21/02 | <0.002 <0.002 | 0.062 | 0.023 | <0.002 | <0.002 <0.002 | 0.002 | 1 | : |
| Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/20/0 | | 0.013 | 0.023 | <0.002 | <0.002 | 0.004 | 1 | 1 |
| Well | MW-I | MW-2 | MW-3 | MW-4 | MW-5 | 9-WM | MW-7 | MW-8 |

| 3/25/10 | | | | <0.002 | | | | |
|--|--------|----------------|---------|---------------|--------|--------|--------|-------|
| 12/18/09 | <0.002 | 0.0086 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | 0.114 |
| 5/27/09 9/24/09 12/18/09 | ľ | - | ľ | <0.002 | ľ | • | <0.002 | |
| | <0.002 | | | <0.002 | · | | | |
| 3/11/09 | <0.002 | | | <0.002 | | 1 | | |
| 12/1/08 | |) | 1 | <0.002 | | | | |
| 9/15/08 | | | | <0.002 | | | | l I |
| 6/27/08 | <0.002 | | | <0.002 | | | | Ł |
| 3/20/08 | <0.002 | 10.0 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | 0.15 |
| 12/27/07 3/20/08 6/27/08 9/15/08 12/1/08 3/11/09 | <0.002 | 0 | 1 | | <0.002 | | | |
| 9/5/07 | | | 1 · | <0.002 | 1 | (· | L . | I |
| 6/07 | <0.001 | 0.0024 | <0.0011 | <0.001 <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 3/13/07 | <0.001 | <0.001 0.00120 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.437 |
| 12/21/06 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| 9/28/06 | <0.001 | 0.0003 | <0.001 | | <0.001 | 0.001 | <0.001 | 0.239 |
| Well 3/1/06 6/26/06 9/28/06 12/21/06 3/13/07 6/2 | <0.001 | <0.001 | | · | <0.001 | <0.001 | <0.001 | FPH |
| 3/1/06 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH |
| Well | I-WM | MW-2 | MW-3 | MW-4 | MW-5 | | MW-7 | MW-8 |

| | | | | | | | | | <u>e</u> |
|-----------------|---------|--------|---------|----------|---------|---------|---------|-------|-----------------|
| 6/30/10 9/16/10 | <0.002 | 0.007 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | 0.165 | : mg/l: Dup |
| 6/30/10 | <0.0003 | 0.0062 | <0.0003 | < 0.0003 | <0.0003 | <0.0003 | <0.0003 | 0.145 | Units are mg/l: |
| Well | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | 9-MM | 7-WM | MW-8 | Notes: |

Units are mg/l: Duplicate sample results were averaged together: Indicators for estimated (J) values not shown: FPH: Free phase hydrocarbons present, no sample collected: * Sample collected 8/7/09

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Table 7 - Summary of Laboratory Data for Ethylbenzene

| 12/12/05 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 9.89 | |
|---|----------------------|---------|-------------|--------|--------|------------|--------|------|--|
| 9/28/05 | <0.001 | <0.001 | 0.000997 | <0.001 | | <0.001 | <0.001 | FPH | |
| 6/3/05 | <0.001 | <0.001 | 0.00173 | <0.001 | <0.001 | <0.001 | <0.001 | FPH | |
| 3/3/05 | <0.001 | <0.001 | 0.00044 | <0.001 | <0.001 | <0.001 | <0.001 | NS | |
| 12/9/04 | 100.0> | <0.001 | <0.001 | <0.001 | <0.001 | \ <u>'</u> | <0.001 | НdЭ | |
| 10/18/04 | 100.0> | 0.0052 | 0.0015 | <0.001 | <0.001 | <0.001 | <0.001 | FPH | |
| 6/25/04 10/18/04 | 100.0> | 0.00106 | 0.000118 | <0.001 | <0.001 | <0.001 | <0.001 | FPH | |
| 2/18/04 | 0.0514 | 0.00067 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH | |
| 10/29/03 11/20/03 2/18/04 | <0.001 | 0.034 | 0.004 | <0.001 | <0.001 | <0.001 | 0.001 | FPH | |
| 10/29/03 | <0.001 | 0.017 | 0.001 | <0.001 | <0.001 | 0.003 | 0.006 | FPH | |
| 3 9/22/03 | <0.001 | 0.079 | 0.001 | \vee | <0.001 | <0.001 | <0.001 | FPH | |
| | <0.001 | 0.179 | 0.001 | <0.001 | <0.001 | <0.001 | <0.001 | FPH | |
| 7/17/03 | <0.001 | 0.186 | 0.006 0.007 | <0.001 | | 0.004 | <0.001 | FPH | |
| 6/19/03 | <0.001 | 0.103 | | <0.001 | 0.003 | <0.001 | <0.001 | FPH | |
| 4/28/03 | <0.001 | 0.133 | 0.039 | <0.001 | 0.003 | 0.01 | <0.001 | FPH | |
| 5/21/02 | <0.006 <0.006 <0.001 | 1.27 | ĺ | <0.006 | <0.006 | 0.047 | 1 | 1 | |
| Well 4/24/02 5/21/02 4/28/03 6/19/03 7/17/03 8/20/0 | <0.006 | 0.38 | 0.189 | <0.006 | 0.011 | 0.123 | | 1 | |
| Well | MW-1 | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 | MW-8 | |

| 0 | -+ | ~ | + | ~+ | + | | -+ | |
|---|---------------------------|--|---------------------------|---|--|---------------------------|---------------------------|------------|
| 3/25/1(| <0.004 | 0.0923 | v | <0.004 | Ň | <0.004 | <0.004 | 2220 |
| 07 6/26/07 9/5/07 12/27/07 3/20/08 6/27/08 9/15/08 12/1/08 3/11/09 5/27/09 9/24/09 12/18/09 3/25/10 | <0.006 | 0.0916 | <0.006 | | <0.006 | | <0.006 | 5.24 |
| 9/24/09 | ľ | 0.103 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | 5.10 |
| 5/27/09 | <0.006 | 0.16 | <0.006 | <0.006 | | <0.006 | <0.006 | 4.72* |
| 3/11/09 | <0.006 | 0.12 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | 3.76 |
| 12/1/08 | <0.006 | 0.143 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | FPH |
| 9/15/08 | <0.006 | 0.12 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | 2.42 |
| 6/27/08 | <0.002 | 0.0229 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | 2.80 0.388 |
| 3/20/08 | <0.006 | 0.06 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | 2.80 |
| 12/27/07 | 0.0028 | 0.0051 | <0.006 | 0.0016 | <0.006 | <0.006 | <0.006 | FPH |
| 9/5/07 | <0.004 | 0.0078 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | FPH |
| 6/26/07 | <0.002 | 0.013 0.0078 0.0051 0.06 0.0229 0.12 0.143 0.12 0.16 | <0.002 | <0.002 <0.004 0.0016 <0.006 <0.002 <0.006 <0.006 <0.006 | <0.002 < 0.004 < 0.006 < 0.006 < 0.002 < 0.006 < 0.006 < 0.006 < 0.006 | <0.002 | <0.002 | FPH |
| 3/13/07 | | 2 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 3.35 |
| 12/21/06 | <0.001 <0.00 | <0.001 0.007 | <0.001 | <0.001 | <0.001 <0.00 | <0.001 | <0.001 | FPH |
| 9/28/06 | <0.001 | 0.0014 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 2.27 |
| Well 3/1/06 6/26/06 9/28/06 12/21/06 3/13/ | MW-1 <0.001 <0.001 <0.001 | MW-2 <0.001 0.00125 0.0014 | MW-3 <0.001 <0.001 <0.001 | MW-4 < 0.001 < 0.001 < 0.001 | JW-5 <0.001 <0.001 <0.001 | JW-6 <0.001 <0.001 <0.001 | JW-7 <0.001 <0.001 <0.001 | FPH |
| 3/1/06 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | MW-8 FPH |
| Well | MW-I | MW-2 | MW-3 | MW-4 | MW-5 | MW-6 | MW-7 | MW-8 |

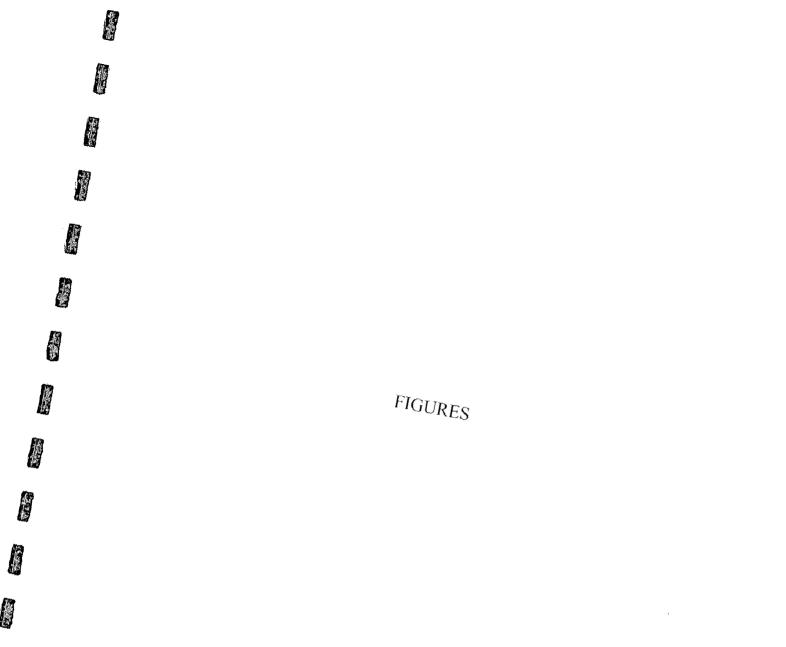
| Well | 6/30/10 | 6/30/10 9/16/10 |
|--------|-----------------|-----------------|
| | | |
| 1-WM | <0.0006 | <0.004 |
| MW-2 | 0.0417 | 0.0786 |
| MW-3 | <0.0006 | <0.004 |
| MW-4 | <0.0006 | <0.004 |
| MW-5 | <0.0006 | <0.004 |
| MW-6 | <0.0006 | <0.004 |
| MW-7 | <0.0006 | <0.004 |
| MW-8 | 3.49 | 6.37 |
| Notes: | Units are mg/l: | mg/l: Dup |

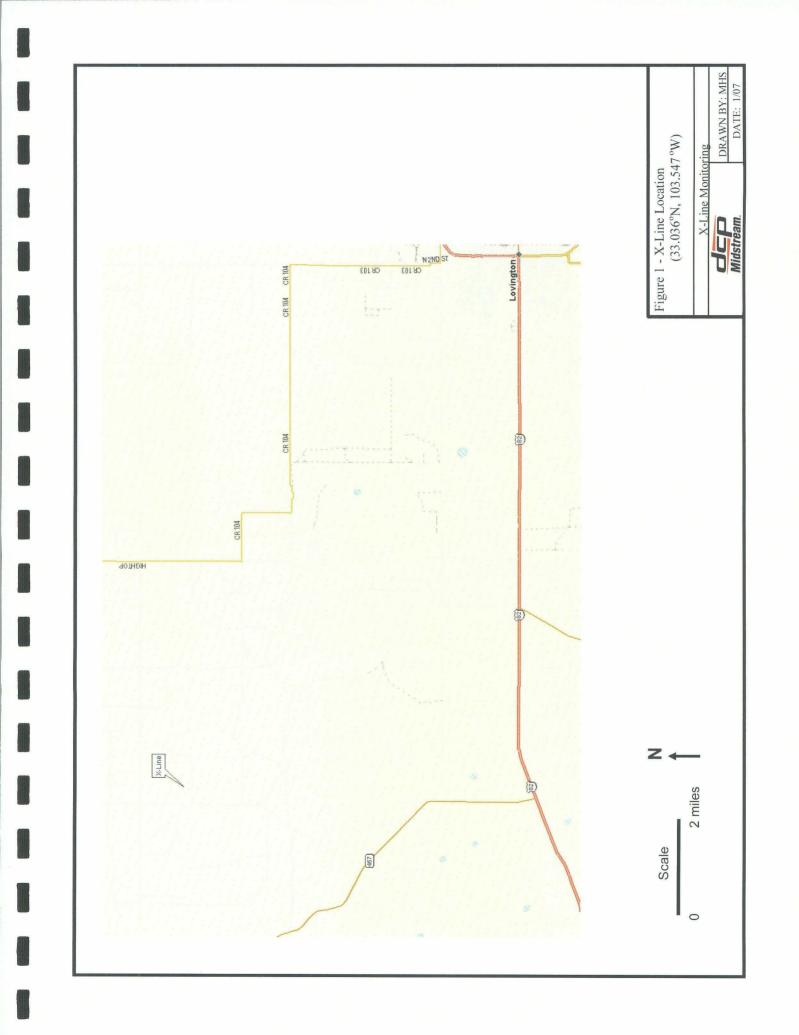
Units are mg/l: Duplicate sample results were averaged together: Indicators for estimated (J) values not shown: FPH: Free phase hydrocarbons present, no sample collected: * Sample collected 8/7/09

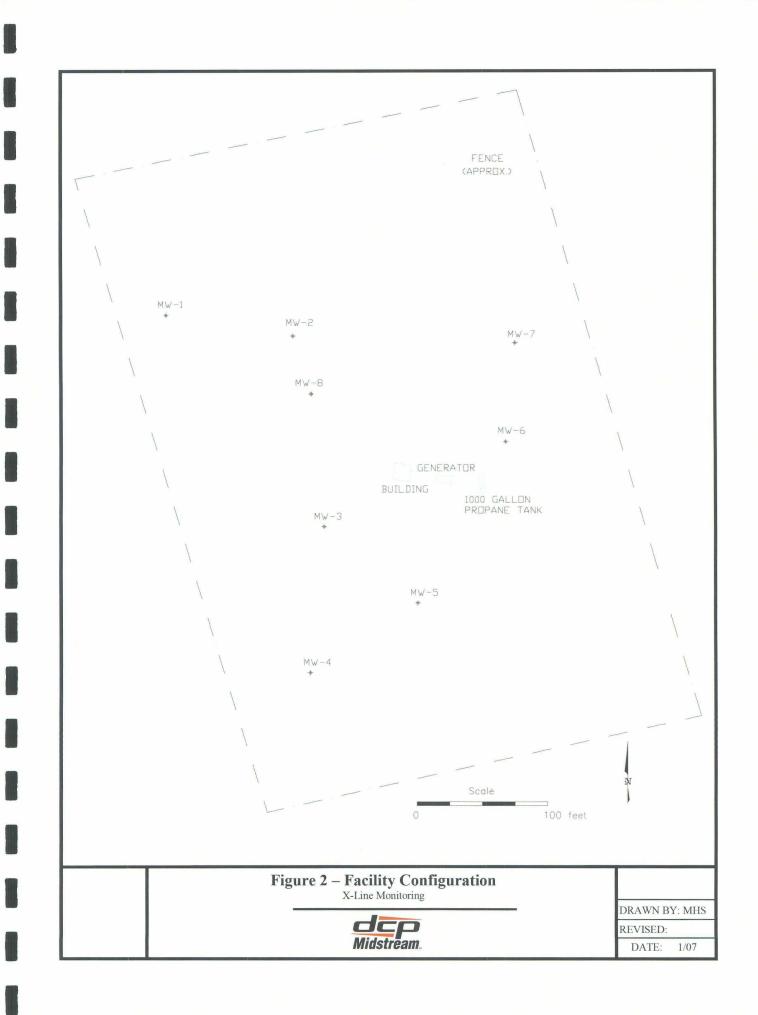
35.4

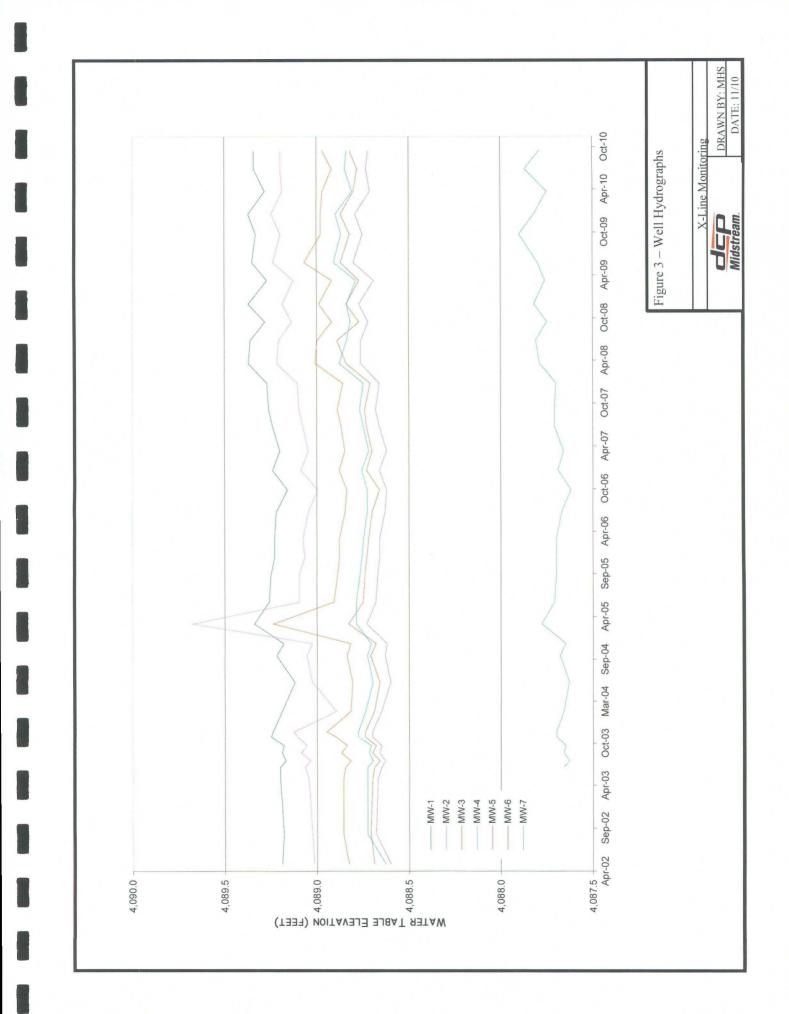
No. N

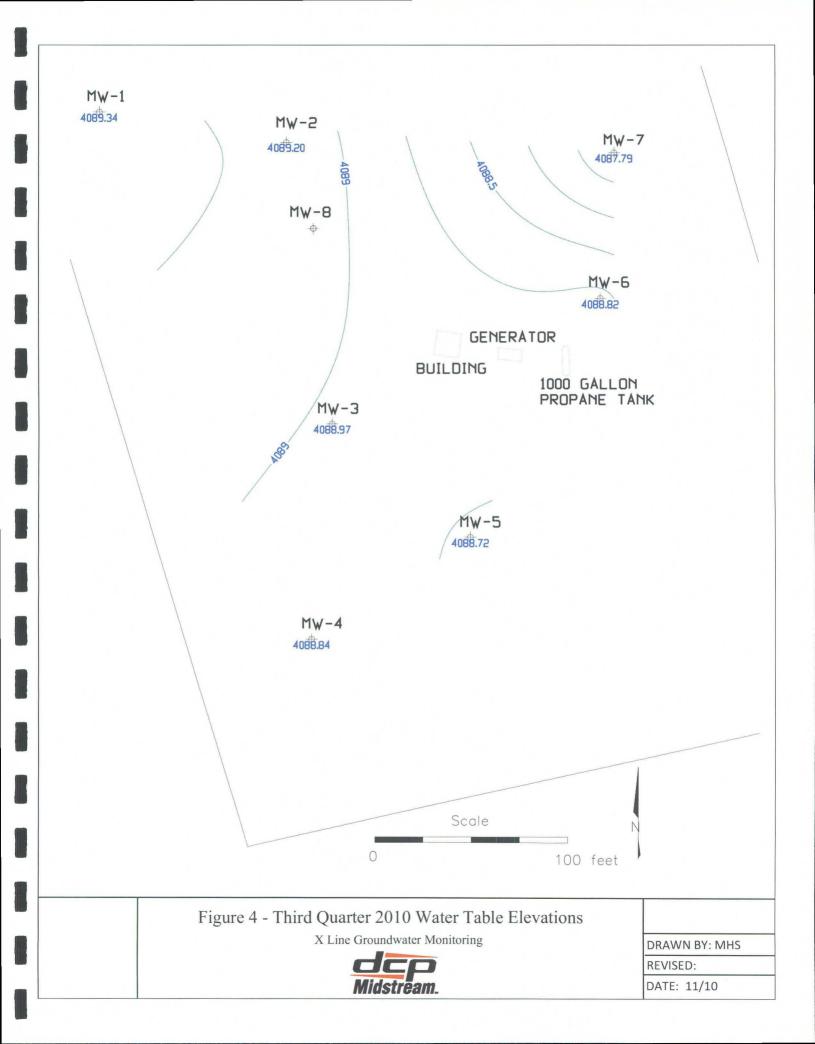
Table 8 - Summary of Laboratory Data for Xylenes

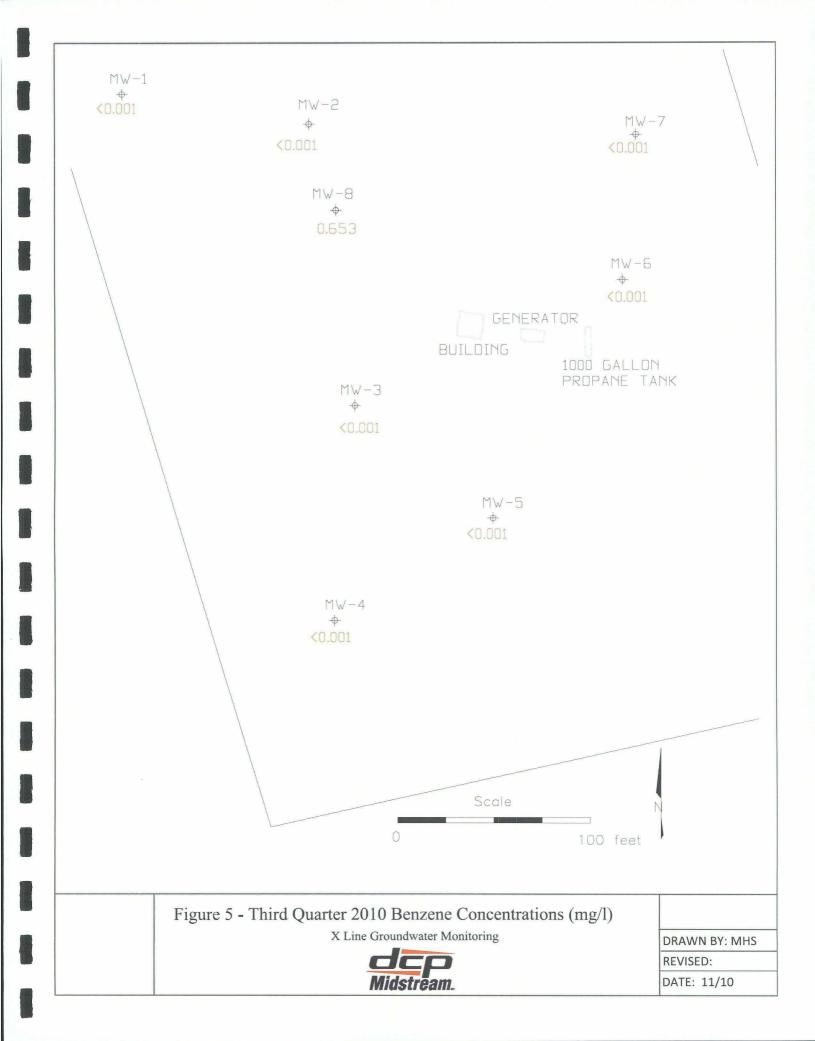


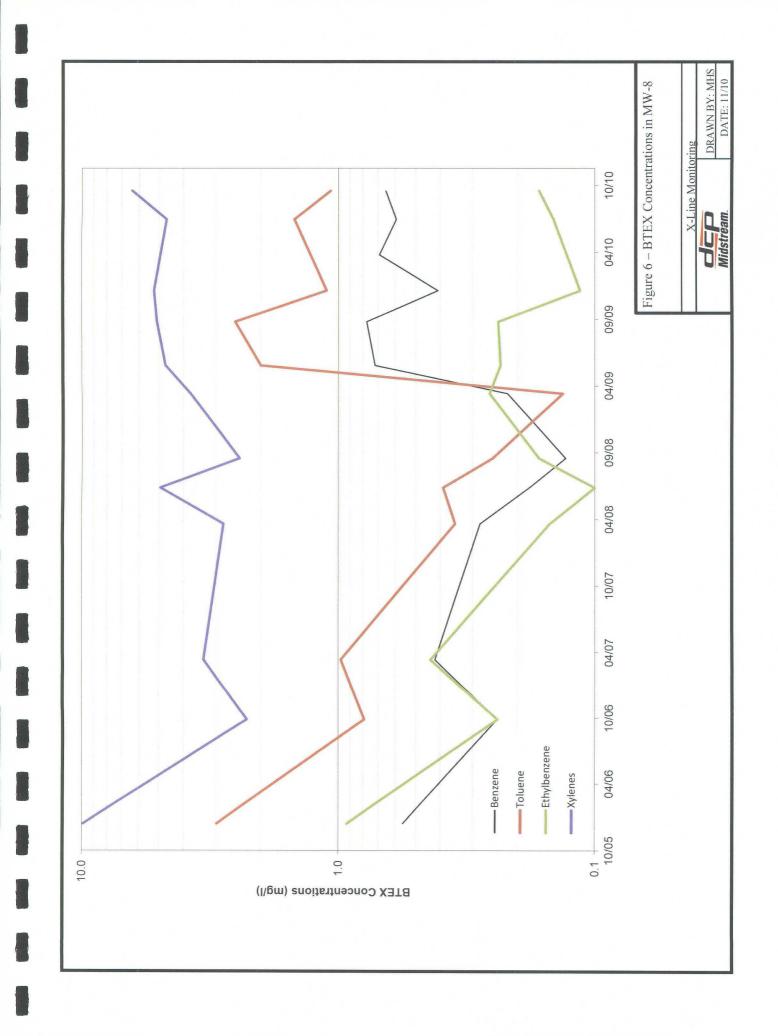












FIELD SAMPLING FORMS AND LABORATORY ANALYTICAL REPORT

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| | CLIENT: | DC | P Midstre | am | _ | WELL ID: | MW-1 |
|-------------------|------------------|------------------------------|---------------------------------|------------|------------|------------|---|
| S | SITE NAME: | X Line | (Etcheverry | Ranch) | - | | 9/13/2010 |
| PR | OJECT NO. | | | | _ : | SAMPLER: | M Stewart/N Quevedo |
| | | | | | | | |
| PURGING | G METHOD: | | Hand Bai | led 🗌 Pu | mp If Pur | np, Type: | Dedicated Bailer |
| SAMPLIN | IG METHOD |): | Dedicated | d Bailer [| _Direct fr | om Dischar | ge Hose 🕞 ther: |
| DESCRIE | BE EQUIPME | ENT DECO | NTAMINATIO | ON METHC | D BEFOR | RE SAMPLI | ING THE WELL: |
| 🔄 Glove | s 🗌 Alcono | x 🗌 Distill | ed Water Rin | nse 🗹C | ther: | | |
| DEPTH T HEIGHT | O WATER: | COLUMN: | 91.00 77.35 13.65 Inch | Feet | | 6.7 | _Minimum Gallons to purge 3 well volumes |
| | | (Water Column Height x 0.49) | | | | | |
| TIME | VOLUME PURGED | TEMP. ° C | COND. mS/cm | рН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 2.8 | 19.7 | 0.615 | 7.56 | | | |
| | 5.6 | 20 | 0.61 | 7.60 | | | |
| 1535 | 7.4 | 19.5 | 0.62 | 7.57 | | | |
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| | | MW-1 | | | | | |
| | | BTEX (826 | 0) | | | | |
| COM | MENTS: | | | | | | |
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WELL SAMPLING DATA FORM

| | CLIENT: | DC | P Midstre | am | _ | WELL ID: | MW-2 |
|---------------------|--|---------------------|---------------------------------|----------------------|------------|---------------|--|
| S | ITE NAME: | X Line (| Etcheverry | Ranch) | _ | DATE: | 9/13/2010 |
| PRO | DJECT NO. | | | | _ : | SAMPLER: | M Stewart/N Quevedo |
| | | | | | | | |
| PURGING | METHOD: | | 🕖 Hand Bail | led 🗌 Pu | mp If Pur | np, Type: | Dedicated Bailer |
| SAMPLIN | G METHOD | : | Dedicated | d Bailer [| Direct fro | om Dischar | ge Hose Dther: |
| DESCRIB | E EQUIPME | ENT DECO | NTAMINATIO | ON METHC | D BEFOR | RE SAMPLI | NG THE WELL: |
| 🔄 Glove | s 🗌 Alcono: | ∝ ⊡Distill | ed Water Rir | nse 🗌 C | ther: | | |
| DEPTH T HEIGHT (| EPTH OF W O WATER: DF WATER AMETER: | COLUMN: | 88.00 77.32 10.68 Inch | Feet Feet Feet | | 5.2 | Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) |
| TIME | VOLUME PURGED | TEMP. ° C | COND. <i>m</i> S/cm | рН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 2.1 | 19.9 | 0.815 | 7.23 | | | |
| | 4.2 | 19.8 | 0.74 | 7.36 | | | |
| 1540 | 6.3 | 19.6 | 0.72 | 7.43 | | | |
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| CAND | LE NO.: | MW-2 | | | L | <u> </u> | |
| | | BTEX (826 | 0) | | -** | | <u>, , , , , , , , , , , , , , , , , , , </u> |
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| | CLIENT: | DC | P Midstre | am | _ | WELL ID: | MW-3 |
|-------------------|--|---------------------|------------------------|--|--------------|------------|------------------------------------|
| S | | X Line (| Etcheverry | Ranch) | _ | DATE: | 9/13/2010 |
| PR | OJECT NO. | | | | _ | SAMPLER: | M Stewart/N Quevedo |
| | | | | | | | |
| PURGING | G METHOD: | | 🔄 Hand Bai | led 🔲 Pu | mp If Pur | np, Type: | Dedicated Bailer |
| SAMPLIN | IG METHOD | lt. | Dedicated | d Bailer [| Direct fro | om Dischar | ge Hose Dther: |
| DESCRIE | BE EQUIPME | ENT DECO | ΝΤΑΜΙΝΑΤΙΟ | RE SAMPLI | NG THE WELL: | | |
| 🔄 Glove | s 🗌 Alcono | x Distill | | | | | |
| DEPTH T HEIGHT | EPTH OF W O WATER: OF WATER AMETER: | COLUMN: | 6.7 | Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) | | | |
| TIME | VOLUME PURGED | TEMP. ° C | COND. <i>m</i> S/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 2.6 | 20.6 | 0.738 | 7.26 | | L | |
| | 5.2 | 19.8 | 0.722 | 7.34 | | | Bailed three volumes then |
| | 7.8 | 19.7 | 0.717 | 7.30 | | L | sampled: driving rainstorm |
| | | | | | | | |
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| | | MW-3 | | | | | |
| | | BTEX (826 | 0) | | | | |
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| | CLIENT: | DC | P Midstre | am | _ | WELL ID: | MW-4 |
|---------------------|--|---------------------|---------------------------------|----------|------------|------------|--|
| S | ITE NAME: | X Line (| (Etcheverry | Ranch) | _ | DATE: | 9/13/2010 |
| PR | OJECT NO. | | | | _ : | SAMPLER: | M Stewart/N Quevedo |
| | | | | | | | |
| PURGING | G METHOD: | | Hand Bai | led 🗌 Pu | mp If Pur | np, Type: | Dedicated Bailer |
| SAMPLIN | IG METHOD | : | Dedicated | d Bailer | Direct fro | om Dischar | ge Hose Dther: |
| DESCRIE | BE EQUIPME | ENT DECO | ΝΤΑΜΙΝΑΤΙΟ | ON METHO | D BEFOF | RE SAMPLI | NG THE WELL: |
| Glove | s 🗌 Alcono | x Distill | ed Water Rir | nse 🗌 C | Other: | | |
| DEPTH T HEIGHT (| EPTH OF W O WATER: OF WATER AMETER: | COLUMN: | 91.00 77.49 13.51 Inch | Feet | | 6.6 | Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) |
| TIME | VOLUME PURGED | TEMP. ° C | COND. mS/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 2.7 | 21.1 | 0.603 | 7.57 | | | |
| | 5.4 | 21.1 | 0.594 | 7.57 | | | |
| | 8.1 | 19.8 | 0.599 | 7.59 | | | |
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| | | MW-4 | ····· | | | | |
| | LYSES: MENTS: | BTEX (826 | | | | | |
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| | CLIENT: | DC | P Midstre | am | - | WELL ID: | MW-5 | |
|---|------------------|---------------------|------------------------|------------|--------------|----------------|------------------------------------|--|
| S | ITE NAME: | X Line (| Etcheverry | Ranch) | _ | DATE: | 9/13/2010 | |
| PR | DJECT NO. | | | | _ | SAMPLER: | M Stewart/N Quevedo | |
| | | | | | | | | |
| PURGING | G METHOD: | | 🖂 Hand Bai | led 🗌 Pu | mp If Pur | np, Type: | Dedicated Bailer | |
| SAMPLIN | IG METHOD | 2 | Dedicated | Direct fro | om Dischar | ge Hose Dther: | | |
| DESCRIE | BE EQUIPME | ENT DECO | NTAMINATIO | RE SAMPLI | NG THE WELL: | | | |
| 🔄 Glove | | | | | | | | |
| ☑ Gloves □ Alconox □ Distilled Water Rinse □ Other: TOTAL DEPTH OF WELL: 89.00 Feet DEPTH TO WATER: 77.18 Feet HEIGHT OF WATER COLUMN: 11.82 Feet WELL DIAMETER: 2.0 Inch purge 3 well volumes (Water Column Height x 0) | | | | | | | | |
| TIME | VOLUME PURGED | ТЕМР. ° С | COND. <i>m</i> S/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS | |
| | 2.3 | 20.6 | 0.678 | 7.44 | | | | |
| | 4.6 | 19.7 | 0.67 | 7.45 | | | | |
| 1710 | 7 | 19.7 | 0.67 | 7.45 | | | | |
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| | - | MW-5 | ~~~~~ | <u></u> | | | | |
| | - | BTEX (8260 | J) | | | | | |
| COM | MENTS: | | | | | | | |

WELL SAMPLING DATA FORM

| | CLIENT: | DC | P Midstre | am | - | WELL ID: | MW-6 | | |
|----------------------|-----------------------|----------------------------------|---------------------------------|------------|------------|------------|--|--|--|
| S | ITE NAME: | X Line | (Etcheverry | Ranch) | | DATE: | 9/13/2010 | | |
| PRO | DJECT NO. | 18 BULL - 11 | | | _ : | SAMPLER: | M Stewart/N Quevedo | | |
| | | | , | | | | | | |
| PURGING | METHOD: | | 🔄 Hand Bai | led 🗌 Pu | mp If Pur | np, Type: | Dedicated Bailer | | |
| SAMPLIN | G METHOD |): | U Dedicated | d Bailer [| Direct fro | om Dischar | ge Hose Dther: | | |
| DESCRIB | E EQUIPME | ENT DECO | NTAMINATIO | ON METHC | D BEFOR | RE SAMPLI | NG THE WELL: | | |
| Glove: | s 🗌 Alcono | x 🗌 Distill | ed Water Rir | nse 🗌 C | ther: | | | | |
| DEPTH TO HEIGHT (| O WATER: | COLUMN: | 90.00 77.07 12.93 Inch | Feet | | 6.3 | Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) | | |
| TIME | VOLUME PURGED | TEMP. [.] ° C | COND. <i>m</i> S/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS | | |
| | 2.7 | 21.1 | 0.582 | 7.55 | | | | | |
| | 5.4 | 20.6 | 0.61 | 7.43 | | | | | |
| 1620 | 8.1 | 20.2 | 0.58 | 7.65 | | | | | |
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| | | | | | | | | | |
| | LE NO.: | <u>MW-6</u> | | | | | | | |
| | ANALYSES: BTEX (8260) | | | | | | | | |
| COM | MENTS: | | | | | | | | |
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WELL SAMPLING DATA FORM

| CLIENT: DCP Midstream | | | _ | WELL ID: | MW-7 | | |
|---|--|---------------------|------------------------|----------|-----------------------|--------------|------------------------------------|
| S | SITE NAME: X Line (Etcheverry Ranch) | | | | | DATE: | 9/13/2010 |
| PROJECT NO | | | ; | SAMPLER: | M Stewart/N Quevedo | | |
| | | | | | | | |
| PURGINO | G METHOD: | | Hand Bai | led 🗌 Pu | mp If Pur | mp, Type: | Dedicated Bailer |
| SAMPLIN | IG METHOD |): | Dedicate | d Bailer | Direct fro | om Dischar | ge Hose Dther: |
| DESCRIB | BE EQUIPME | ENT DECO | NTAMINATIO | ON METHC | D BEFOR | RE SAMPLI | NG THE WELL: |
| 🔄 Glove | s 🗌 Alcono: | x Distill | ed Water Rii | nse 🗌 O | ther: | | |
| TOTAL DEPTH OF WELL: 85.00 Feet DEPTH TO WATER: 76.64 Feet HEIGHT OF WATER COLUMN: 8.36 Feet WELL DIAMETER: 2.0 Inch purge 3 well volumes (Water Column Height x 0.49) | | | | | | | |
| TIME | VOLUME PURGED | TEMP. ° C | COND. <i>m</i> S/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 2.7 | 22.7 | 0.65 | 7.57 | | | |
| | 5.4 | 21.7 | 0.63 | 7.61 | | | |
| 1620 | 8.1 | 20.0 | 0.62 | 7.59 | | | |
| | | | | | | | |
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| SAMP | LE NO.: | MW-7 | | | ۱ <u>ــــــــــ</u> ا | . | L |
| ANAL | YSES: | BTEX (826 | 0) | | | | |
| COMM | COMMENTS: Collected sample for matrix-spike/ | | | | | ke duplicate | evaluation |

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WELL SAMPLING DATA FORM

| | CLIENT: | DCP Midstream | | | | WELL ID: | MW-8 |
|---------------------|--|---------------------------|--------------------------------|-----------|------------|--|--|
| S | ITE NAME: | X Line (Etcheverry Ranch) | | | | DATE: | .9/13/2010 |
| PR | OJECT NO. | | | | | SAMPLER: | M Stewart/N Quevedo |
| PURGING | G METHOD: | | ⊡ Hand Bai | led 🗌 Pur | mp If Pun | np, Type: | |
| SAMPLIN | IG METHOD |): | 🗹 Disposab | le Bailer | Direct f | rom Discha | rge Hose Other: |
| DESCRIE | | ENT DECO | | ON METHO | D BEFOF | RE SAMPLI | NG THE WELL: |
| ⊡ Glove | s 🗌 Alcono | x 🗌 Distill | ed Water Rir | nse 🗌 O | ther: | | |
| DEPTH T HEIGHT (| EPTH OF W O WATER: OF WATER AMETER: | COLUMN: | 84.00 77.21 6.79 Inch | Feet | | 13.3 | Minimum Gallons to purge 3 well volumes (Water Column Height x 1.96) |
| TIME | VOLUME PURGED | TEMP. ° C | COND. <i>m</i> S/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| [| | | | | | | 340psi |
| | | | | | | | 2200psi |
| ЕЕ | ailed Down | · | | | | | 0.5 gallons |
| | | | | | | | |
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| L | | | | | | | |
| SAMF | PLE NO.: | MW-8 | | | | | |
| ANAI | YSES: | BTEX (826 | 0) | | | | |
| COMI | MENTS: | Collected c | luplicate sam | nple | | | · |
| | | | | | | | |

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Technical Report for

DCP Midstream, LP

AECCOL: Xline Etcheverry Ranch Proj#400228028

GN00

Accutest Job Number: D17402

Sampling Date: 09/13/10

Report to:

American Environmental Consulting, LLC

mstewart@aecdenver.com

ATTN: Michael Stewart

Total number of pages in report: 24



Jesse P. Smith

Jesse L. Smith Laboratory Director

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Client Service contact: Amanda Kissell 303-425-6021

Certifications: CO. ID. NE. NM. ND (R-027) (PW) UT (NELAP CO00049) This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Mountain States • 4036 Youngfield St. • Wheat Ridge. CO 80033-3862 • tel: 303-425-6021 • fax: 303-425-6854 • http://www.accutest.com

e-Hardcopy 2.0 Automated Report

09/24/10

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Sample Summary

DCP Midstream, LP

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Job No: D17402

AECCOL: Xline Etcheverry Ranch Proj#400228028 Project No: GN00

| Sample Number | Collected Date | Time By | Received | Matr Code | | Client Sample ID |
|------------------|-------------------|----------|----------|--------------|--------------------|---------------------|
| D17402-1 | 09/13/10 | 15:35 SW | 09/15/10 | AQ | Ground Water | MW1 |
| D17402-2 | 09/13/10 | 15:40 SW | 09/15/10 | AQ | Ground Water | MW2 |
| D17402-3 | 09/13/10 | 17:50 SW | 09/15/10 | AQ | Ground Water | MW3 |
| D17402-4 | 09/13/10 | 17:05 SW | 09/15/10 | AQ | Ground Water | MW4 |
| D17402-5 | 09/13/10 | 17:10 SW | 09/15/10 | AQ | Ground Water | MW5 |
| D17402-6 | 09/13/10 | 16:20 SW | 09/15/10 | AQ | Ground Water | MW6 |
| D17402-7 | 09/13/10 | 16:20 SW | 09/15/10 | AQ | Ground Water | MW7 |
| D17402-7D | 09/13/10 | 16:20 SW | 09/15/10 | AQ | Water Dup/MSD | MW7 |
| D17402-7M | 09/13/10 | 16:20 SW | 09/15/10 | AQ | Water Matrix Spike | MW7 |
| D17402-8 | 09/13/10 | 17:50 SW | 09/15/10 | AQ | Ground Water | MW8 |
| D17402-9 | 09/13/10 | 00:00 SW | 09/15/10 | AQ | Ground Water | DUP |
| D17402-10 | 09/13/10 | 00:00 SW | 09/15/10 | AQ | Trip Blank Water | TRIP |





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CASE NARRATIVE / CONFORMANCE SUMMARY

| Client: | DCP Midstream, LP | Job No | D17402 |
|---------|---|------------|----------------------|
| Site: | AECCOL: Xline Etcheverry Ranch Proj#400228028 | Report Dat | 9/22/2010 2:18:14 PM |

On 09/15/2010, nine (9) samples. 1 Trip Blank, and 0 Field Blanks were received at Accutest Mountain States (AMS) at a temperature of 5.4°C. The samples were intact and properly preserved, unless noted below. An AMS Job Number of D17402 was assigned to the project. The lab sample IDs, client sample IDs, and dates of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

| | Matrix AQ | Batch ID: V3V387 | |
|----|-----------|--|--|
| 12 | | n the recommended method holding time. | |

All method blanks for this batch meet method specific criteria.

Samples D17392-2MS and D17392-2MSD were used as the QC samples indicated.

| Matrix AQ | Batch ID: | V5V568 |
|-----------|-----------|--------|
|-----------|-----------|--------|

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Samples D17402-7MS and D17402-7MSD were used as the QC samples indicated.

AMS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting AMS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

AMS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by AMS indicated via signature on the report cover.

Page 1 of 1



Wednesday, September 22, 2010



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Sample Results

Report of Analysis



Accutest LabLink@1894 06:39 24-Sep-2010

| | Page 1 of 1 | | | | | | |
|---|--|---|-----------------------|---|---|-------------------|----------------------------|
| Client Sam Lab Sampl Matrix: Method: Project: | e ID: D1 A(SV | W1 7402-1 2 - Ground Wa V846 8260B ECCOL: Xline | ter Etcheverry Ran | ch Proj#400 | Date Sampled Date Received Percent Solids 228028 | : 09/15/10 | |
| Run #1 Run #2 | File ID 5V10315.I | DF) 1 | Analyzed 09/16/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V5V568 |
| Run #1 Run #2 | Purge Volt 5.0 ml | ume | | | | | |
| Purgeable | Aromatics | | | | | | |
| CAS No. | Compoun | d | Result | RL | MDL Units | Q | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenz m,p-Xyler | | ND ND ND ND | $\begin{array}{c} 0.0010 \\ 0.0020 \\ 0.0020 \\ 0.0040 \\ 0.0040 \end{array}$ | 0.00030 mg/l 0.0010 mg/l 0.00030 mg/l 0.00060 mg/l | | |
| 95-47-6 CAS No. | o-Xylene Surrogate | e Recoveries | ND Run# 1 | 0.0020 Run# 2 | 0.00060 mg/l Limits | | |
| 17060-07-0 2037-26-5 460-00-4 | Toluene-E | proethane-D4 08 luorobenzene | 99% 88% 88% | | 63-130% 68-130% 61-130% | | |

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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|--|---|------------------------------|--|---|-------------------|----------------------------|--|--|
| Client Sam Lab Sample Matrix: Method: Project: | e ID: D17402-2 AQ - Ground Wa SW846 8260B | | er Date Sampled: 09/13/10 Date Received: 09/15/10 Percent Solids: n/a Ctcheverry Ranch Proj#400228028 | | | | | |
| Run #1 Run #2 | File ID DF 5V10316.D 1 | Analyzed 09/16/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V5V568 | | |
| Run #1 Run #2 | Purge Volume 5.0 ml | | | | | | | |
| Purgeable A | Aromatics | | | | | | | |
| CAS No. | Compound | Result | RL | MDL Units | Q | | | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenzene m,p-Xylene | ND ND 0.0070 0.0568 | $\begin{array}{c} 0.0010 \\ 0.0020 \\ 0.0020 \\ 0.0040 \end{array}$ | 0.00030 mg/l 0.0010 mg/l 0.00030 mg/l 0.00060 mg/l | | | | |
| 95-47-6 CAS No. | o-Xylene Surrogate Recoveries | 0.0218 Run# 1 | 0.0020 Run# 2 | 0.00060 mg/l Limits | | | | |
| 17060-07-0 2037-26-5 460-00-4 | 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 113% 92% 99% | Kun# 2 | 63-130% 68-130% 61-130% | | | | |

ND = Not detected MDL - Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



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| | Report of Analysis | | | | | | | | |
|--|---|----------------------|------------------------|----------------------------|--|--|----------------------|-------------------|----------------------------|
| Client Sam Lab Sample Matrix: Method: Project: | | SW84 | Ground Wate 6 8260B | er Etcheverry Ran | ch Proj#400 | Date Sa Date R Percent 228028 | eceived | : 09/15/10 | |
| Run #1 Run #2 | File ID 5V1031 | 7.D | DF 1 | Analyzed 09/16/10 | By DC | Prep Da n/a | te | Prep Batch n/a | Analytical Batch V5V568 |
| Run #1 Run #2 | Purge V 5.0 ml | /olume | ; | | | | | | |
| Purgeable A | Aromatic | cs | | | | | | | |
| CAS No. | Compo | ound | | Result | RL | MDL | Units | Q | |
| 71-43-2 108-88-3 100-41-4 95-47-6 | Benzen Toluen Ethylbo m,p-Xy o-Xyle | e enzene ylene | | ND ND ND ND ND | 0.0010 0.0020 0.0020 0.0040 0.0020 | 0.00030 0.0010 0.00030 0.00060 0.00060 | mg/l mg/l mg/l | | |
| CAS No. | Surrog | gate Re | coveries | Run# 1 | Run# 2 | Limit | ts | | |
| 17060-07-0 2037-26-5 460-00-4 | Toluen | e-D8 | ethane-D4 obenzene | 104% 91% 93% | | 63-13 68-13 61-13 | 80% | | |

ND = Not detected MDL - Method Detection Limit RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank N = Indicates presumptive evidence of a compound

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| | | Repo | rt of An | alysis | | Page 1 of 1 |
|---|--|----------------------|---|---|-------------------|----------------------------|
| Client Sam Lab Sampl Matrix: Method: Project: | | | nch Proj#400 | Date Sampled Date Received Percent Solids 228028 | l: 09/15/10 | |
| Run #1 Run #2 | File ID DF 5V10318.D 1 | Analyzed 09/16/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V5V568 |
| Run #1 Run #2 | Purge Volume 5.0 ml | | | | | |
| Purgeable . | Aromatics | | | | | |
| CAS No. | Compound | Result | RL | MDL Units | Q | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenzene m,p-Xylene | ND ND ND ND | $\begin{array}{c} 0.0010 \\ 0.0020 \\ 0.0020 \\ 0.0040 \end{array}$ | 0.00030 mg/l 0.0010 mg/l 0.00030 mg/l 0.00060 mg/l | | |
| 95-47-6 CAS No. | o-Xylene Surrogate Recoveries | ND Run# 1 | 0.0020 Run# 2 | 0.00060 mg/l | | |
| 17060-07-0 2037-26-5 460-00-4 | - | 110% 93% 92% | | 63-130% 68-130% 61-130% | | |

ND = Not detected MDL - Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

J = Indicates an estimated value

N = Indicates presumptive evidence of a compound



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B = Indicates analyte found in associated method blank

| | Page 1 of 1 | | | | | | | |
|-------------------------------------|---|----------------------|--------------------------------------|---|-------------------|----------------------------|--|--|
| | thod: SW846 8260B Percent Solids: n/a | | | | | | | |
| Run #1 Run #2 | File ID DF 5V10321.D 1 | Analyzed 09/16/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V5V568 | | |
| Run #1 Run #2 | Purge Volume 5.0 ml | | | | | | | |
| Purgeable | Aromatics | | | | | | | |
| CAS No. | Compound | Result | RL | MDL Units | Q | | | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenzene m. p. Yylong | ND ND ND ND | 0.0010 0.0020 0.0020 0.0040 | 0.00030 mg/l 0.0010 mg/l 0.00030 mg/l 0.00060 mg/l | | | | |
| 95-47-6 | m,p-Xylene o-Xylene | ND | 0.0040 0.0020 | 0.00060 mg/l | | | | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | | | |
| 17060-07-0 2037-26-5 460-00-4 | 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 97% 85% 83% | | 63-130% 68-130% 61-130% | | | | |

ND = Not detectedMDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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| Client Sam Lab Sampl Matrix: Method: Project: | e ID: D17402-6 AQ - Ground SW846 8260B | | nch Proj#400 | Date Sampled Date Received Percent Solids 228028 | : 09/15/10 | | | | | |
| Run #1 Run #2 | File IDDF5V10322.DI | Analyzed 09/16/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V5V568 | | | | |
| Run #1 Run #2 | Purge Volume 5.0 ml | | | | | | | | | |
| Purgeable . | Aromatics | | | | | | | | | |
| CAS No. | Compound | Result | RL | MDL Units | Q | | | | | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenzene m,p-Xylene | ND ND ND ND | 0.0010 0.0020 0.0020 0.0040 | 0.00030 mg/l 0.0010 mg/l 0.00030 mg/l 0.00060 mg/l | | | | | | |
| 95-47-6 | o-Xylene | ND | 0.0020 | 0.00060 mg/l | | | | | | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | | | | | |
| 17060-07-0 2037-26-5 460-00-4 | I ,2-Dichloroethane-D Toluene-D8 4-Bromofluorobenzen | 88% | | 63-130% 68-130% 61-130% | | | | | | |

ND = Not detectedMDL - Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

J = Indicates an estimated value

N = Indicates presumptive evidence of a compound

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B = Indicates analyte found in associated method blank

| | Page 1 of 1 | | | | | |
|---|---|----------------------|--------------------------------------|---|-------------------|----------------------------|
| Client Sam Lab Sampl Matrix: Method: Project: | le ID: D17402-7 AQ - Ground SW846 8260 | | nch Proj#400 | Date Sampled Date Received Percent Solids 228028 | : 09/15/10 | |
| Run #1 Run #2 | File ID DF 5V10312.D 1 | Analyzed 09/16/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V5V568 |
| Run #1 Run #2 | Purge Volume 5.0 ml | | | | | |
| Purgeable | Aromatics | | | | | |
| CAS No. | Compound | Result | RL | MDL Units | Q | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenzene m,p-Xylene | ND ND ND ND | 0.0010 0.0020 0.0020 0.0040 | 0.00030 mg/l 0.0010 mg/l 0.00030 mg/l 0.00060 mg/l | | |
| 95-47-6 1330-20-7 | o-Xylene Xylene (total) | ND ND | 0.0020 | 0.00060 mg/l 0.00060 mg/l | | |
| CAS No. | Surrogate Recover | es Run# 1 | Run# 2 | Limits | | |
| 17060-07-0 2037-26-5 460-00-4 | 1.2-Dichloroethane- Toluene-D8 4-Bromofluorobenze | 91% | | 63-130% 68-130% 61-130% | | |

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound

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|--|---|------------------------------|----------------|---------------------|------------------------------|-------------------|----------------------------|--|--|--|
| Client Sam Lab Sample Matrix: Method: Project: | e ID: D17402-8 AQ - Grou SW846 82 | | Ranch Proj# | | | | | | | |
| Run #1 Run #2 | | DF Analyz 0 09/16/1 | • | Prep D n/a | Date | Prep Batch n/a | Analytical Batch V5V568 | | | |
| Run #1 Run #2 | Purge Volume 5.0 ml | | | | | | | | | |
| Purgeable A | Aromatics | | | | | | | | | |
| CAS No. | Compound | Res | alt RL | MDL | Units | Q | | | | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenzene m,p-Xylene | 0.65 1.07 0.16 4.58 | 0.04 5 0.04 | 0 0.020 0 0.0060 | mg/l mg/l mg/l mg/l | | | | | |
| 95-47-6 | o-Xylene | 1.79 | | | mg/l | | | | | |
| CAS No. | Surrogate Recove | eries Run | #1 Run | #2 Lim | its | | | | | |
| 17060-07-0 2037-26-5 460-00-4 | 1,2-Dichloroethan Toluene-D8 4-Bromofluoroben | 85% |) | 68-1 | 30% 30% 30% | | | | | |

ND = Not detectedMDL - Method Detection Limit RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

N = Indicates presumptive evidence of a compound

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B = Indicates analyte found in associated method blank

| | Report of Analysis | | | | | | | | | |
|---|--|---|--|--|--------------------------|----------------------------|--|--|--|--|
| Client Samp Lab Sample Matrix: Method: Project: | | | ach Proj#400 | Date Sam Date Rece Percent S 228028 | eived: 09/15/10 | | | | | |
| Run #1 Run #2 | File ID DF 5V10324.D 20 | Analyzed 09/16/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V5V568 | | | | |
| Run #1 Run #2 | Purge Volume 5.0 ml | | | | | | | | | |
| Purgeable A | Aromatics | | | | | | | | | |
| CAS No. | Compound | Result | RL | MDL U | nits Q | | | | | |
| 71-43-2 108-88-3 100-41-4 95-47-6 | Benzene Toluene Ethylbenzene m,p-Xylene o Xylene | $\begin{array}{c} 0.685 \\ 1.07 \\ 0.150 \\ 4.72 \\ 1.00 \end{array}$ | $\begin{array}{c} 0.020 \\ 0.040 \\ 0.040 \\ 0.080 \\ 0.040 \end{array}$ | 0.020 m 0.0060 m 0.012 m | g/l g/l g/l g/l | | | | | |
| 95-47-0 CAS No. | o-Xylene Surrogate Recoveries | 1.90 Run# 1 | 0.040 Run# 2 | 0.012 m Limits | ıg/l | | | | | |
| 17060-07-0 2037-26-5 460-00-4 | l ,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 88% 96% 116% | | 63-1309 68-1309 61-1309 | 6 | | | | | |

ND = Not detected MDL - Method Detection Limit RL = Reporting Limit

- E = Indicates value exceeds calibration range
- J = Indicates an estimated value
- B = Indicates analyte found in associated method blank
- N = Indicates presumptive evidence of a compound



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|--|---|-----------------------------|--------------------------------------|---|-------------------|----------------------------|
| Client Sam Lab Sample Matrix: Method: Project: | e ID: D17402-10 AQ - Trip Blanl SW846 8260B | k Water e Etcheverry Ran | nch Proj#400 | Date Sampled Date Received Percent Solids 228028 | | |
| Run #1 Run #2 | File ID DF 3V07155.D 1 | Analyzed 09/17/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V3V387 |
| Run #1 Run #2 | Purge Volume 5.0 ml | <u> </u> | | | | |
| Purgeable A | Aromatics | | | | | |
| CAS No. | Compound | Result | RL | MDL Units | Q | |
| 71-43-2 108-88-3 100-41-4 | Benzene Toluene Ethylbenzene m,p-Xylene | ND ND ND ND | 0.0010 0.0020 0.0020 0.0040 | 0.00030 mg/l 0.0010 mg/l 0.00030 mg/l 0.00060 mg/l | | |
| 95-47-6 CAS No. | o-Xylene Surrogate Recoveries | ND Run# 1 | 0.0020 Run# 2 | 0.00060 mg/l Limits | | |
| 17060-07-0 2037-26-5 | 1,2-Dichloroethane-D4 Toluene-D8 | 91% 93% | Kull# Z | 63-130% 68-130% | | |

85%

ND = Not detected MDL - Method Detection Limit RL = Reporting Limit E = Indicates value exceeds calibration range

4-Bromofluorobenzene

460-00-4

J = Indicates an estimated value

61 - 130%

N = Indicates presumptive evidence of a compound

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B = Indicates analyte found in associated method blank

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody

D17402

CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, NJ 08810 732-329-0200 FAX: 732-329-3499/3480

Accutest Job #: 400228028 Accutest Quote #: -

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| Client Information | | 17 Jan 18 1 | Facil | ty Inform | ation | 2 | - A | 1 | | - NG 825 (94 | , Age | Anal | ytical Info | mation | | |
|--|----------|--------------|-------------|-----------|---------|-------|------|--------|---------|--------------|-------|-------|-------------|--------|-----------|---------|
| DCP Midstream | | | erican Envi | ronment | Consul | ting, | LL | 2 | | | | | | | ļ | |
| Name Project Name | | | | | | | 1 | | | | | | | | | |
| 370 Seventeenth Street, Su | ite 2500 | Location | | Xline | | | | | | | | | | | | |
| Address Denver CO | 80202 | Location | Etcł | everry l | Ranch | | | | | ». | 0 < 0 | | | 1 1 | | |
| City State | Zip | Project/PO # | | | | | | | | | sm/cm | | | | | |
| Stephen Weathers | | | GN00 | | | | | | | | 1 3 | | ļ | | | |
| Send Report to: Phone #: 303.605.1718 | | FAX #: | | | | | | | I | 8260B | | | | | | |
| | | Collection | | | , | De. | | rvati | | 82(| 0 TEX | | l | | | |
| | <u> </u> | | Sampled | | # of | ΓT | _ | | _ | втех | 15 | | 1 | | | |
| Field ID / Point of Collection | Date | Time | By | Matrix | bottles | Ϋ́ | NaOH | HOCH | None | B1 | | | | |) | |
| MW-1 | 9/13 | 1535 | ms | GW | 3 | X | | | | х | | | | | | 01 |
| MW-2 | 9/13 | 1540 | NQ | GW | 3 | x | | T | \top | Х | | | | | | 02 |
| MW-3 | 9/13 | 1750 | NQ | GW | 3 | x | T | Τ | Τ | X | | | | | | 03 |
| MW-4 | 9/13 | 1705 | тź | GW | 3 | x | | | T | х | | | | | | 04 |
| MW-5 | 913 | 1710 | nq | GW | 3 | x | | | | х | | | | | | 05 |
| MW-6 | 9/13 | 1620 | nq | GW | 3 | x | | | | х | | | 1 | | | 66 |
| MW-7 | 9/13 | 162 6 | ms | GW | 3 | X | | T | | Х | | | | | | 07 |
| MW-8 | 9/13 | 1750 | MS | GW | 3 | X | | T | | х | | | [| | | 08 |
| DUP | 9113 | | \langle | GW | 3 | x | | | | Х | | | | | | 01 |
| MW-7 MS/MSD | 9/13 | 1620 | 45 | GW | 6 | x | | | | | X | | | | | 07asise |
| TRIP | BY | LaB | | GW | 3 | X | | | | x | | | | | | 10 |
| Turnaround Information | 1.00 | | | - in - | Data | Deliv | eral | ole (r | form | ation | | an an | | Commer | nts / Rem | |
| 21 Day Standard | Approved | | NJ Red | | | | | | rcial ' | A" | | | | | | |
| Gacabpo | yter : | 7/15/10 | 2:15p | m Ede | 5 | .4 | °C. | | | | | | | | | |

D17402: Chain of Custody Page 1 of 1



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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

| Job Number: Account: Project: | D17402 DCPMCODN I AECCOL: Xlin | | lstream, LP /erry Ranch Proj | j#4002280 |)28 | | Ū |
|-------------------------------------|--------------------------------------|----|---------------------------------|-----------|-----------|------------|------------------|
| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
| V5V568-MB1 | 5V10310.D | 1 | 09/16/10 | DC | n/a | n/a | V5V568 |

The QC reported here applies to the following samples:

Method: SW846 8260B

Page 1 of 1

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D17402-1, D17402-2, D17402-3, D17402-4, D17402-5, D17402-6, D17402-7, D17402-8, D17402-9

| CAS No. | Compound | Result | RL | MDL | Units Q |
|------------|-----------------------|--------|-------|------|---------|
| 71-43-2 | Benzene | ND | 1.0 | 0.30 | ug/l |
| 100-41-4 | Ethylbenzene | ND | 2.0 | 0.30 | ug/l |
| 108-88-3 | Toluene | ND | 2.0 | 1.0 | ug/l |
| 1330-20-7 | Xylene (total) | ND | 2.0 | 0.60 | ug/l |
| | m,p-Xylene | ND | 4.0 | 0.60 | ug/l |
| 95-47-6 | o-Xylene | ND | 2.0 | 0.60 | ug/l |
| CAS No. | Surrogate Recoveries | | Limi | ts | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 93% | 63-13 | 30% | |
| 2037-26-5 | Toluene-D8 | 87% | 68-13 | 80% | |
| 460-00-4 | 4-Bromofluorobenzene | 85% | 61-13 | 80% | |



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| Method B Job Number: Account: Project: | lank Summa D17402 DCPMCODN I AECCOL: Xlir | DCP Mi | dstream, LP verry Ranch Proj | i#4002280 | 028 | | Page 1 of 1 |
|---|--|-----------|---------------------------------|-----------|------------------|-------------------|----------------------------|
| Sample V3V387-MB1 | File ID 3V07153.D | DF 1 | Analyzed 09/17/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V3V387 |
| The QC repor | ted here applies | to the fo | bllowing sample | s: | | Method: SW84 | 6 8260B |

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D17402-10

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| nd Result | RL MDL Units Q |
|--|---|
| | |
| ND | 1.0 0.30 ug/l |
| zene ND | 2.0 0.30 ug/l |
| ND | 2.0 1.0 ug/l |
| ene ND | 4.0 0.60 ug/l |
| e ND | 2.0 0.60 ug/1 |
| | _ |
| | |
| te Recoveries | Limits |
| | |
| loroethane-D4 89% | 63-130% |
| D8 92% | 68-130% |
| fluorobenzene 84% | 61-130% |
| ene ND ND ND te Recoveries loroethane-D4 89% D8 92% | 2.0 0.30 ug/l 2.0 1.0 ug/l 4.0 0.60 ug/l 2.0 0.60 ug/l . Limits 63-130% 68-130% |

Blank Spike Summary

| e Summary | 7 | | | | | Page 1 of 1 |
|--------------|---|--|--|---|---|--|
| D17402 | | | | | | - |
| DCPMCODN I | DCP Mid | lstream, LP | | | | |
| AECCOL: Xlin | e Etchev | erry Ranch Proj | #4002280 |)28 | | |
| . | | · · · · · · · · · · · · · · · · · · · | | | | |
| File ID | DF | Analyzed | Ву | Prep Date | Prep Batch | Analytical Batch |
| 5V10311.D | 1 | 09/16/10 | DC | n/a | n/a | V5V568 |
| | | | | | | |
| | D17402 DCPMCODN I AECCOL: Xlin File ID | DCPMCODN DCP Mid AECCOL: Xline Etchev File ID DF | D17402 DCPMCODN DCP Midstream, LP AECCOL: Xline Etcheverry Ranch Proj File ID DF Analyzed | D17402 DCPMCODN DCP Midstream, LP AECCOL: Xline Etcheverry Ranch Proj#4002280 File ID DF Analyzed By | D17402 DCPMCODN DCP Midstream, LP AECCOL: Xline Etcheverry Ranch Proj#400228028 File ID DF Analyzed By Prep Date | D17402 DCPMCODN DCP Midstream, LP AECCOL: Xline Etcheverry Ranch Proj#400228028 File ID DF Analyzed By Prep Date Prep Batch |

The QC reported here applies to the following samples:

Method: SW846 8260B

D17402-1, D17402-2, D17402-3, D17402-4, D17402-5, D17402-6, D17402-7, D17402-8, D17402-9

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | Limits |
|------------|-----------------------|---------------|-------------|----------|--------|
| 71-43-2 | Benzene | 50 | 47.4 | 95 | 70-130 |
| 100-41-4 | Ethylbenzene | 50 | 50.0 | 100 | 70-130 |
| 108-88-3 | Toluene | 50 | 48.4 | 97 | 70-140 |
| 1330-20-7 | Xylene (total) | 100 | 91.6 | 92 | 55-134 |
| | m,p-Xylene | 50 | 47.2 | 94 | 55-134 |
| 95-47-6 | o-Xylene | 50 | 44.4 | 89 | 55-134 |
| CAS No. | Surrogate Recoveries | BSP | Lir | nits | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 87% | 63- | 130% | |
| 2037-26-5 | Toluene-D8 | 85% | 68- | 130% | |
| 460-00-4 | 4-Bromofluorobenzene | 94% | 61- | 130% | |



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. Justice Î No. of Street, Ì Î 100 M E. S. A

Blank Spike Summary

| Blank Spil Job Number: Account: Project: | ce Summary D17402 DCPMCODN I AECCOL: Xlin | Page 1 of 1 | | | | | |
|---|--|-------------|----------------------|----------|------------------|-------------------|----------------------------|
| Sample V3V387-BS1 | File ID 3V07154.D | DF I | Anałyzed 09/17/10 | By DC | Prep Date n/a | Prep Batch n/a | Analytical Batch V3V387 |
| The QC repor | ted here applies | to the fo | llowing samples | s: | | Method: SW84 | 6 8260B |

D17402-10

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | Limits |
|------------|-----------------------|---------------|-------------|----------|--------|
| 71-43-2 | Benzene | 50 | 49.7 | 99 | 70-130 |
| 100-41-4 | Ethylbenzene | 50 | 53.3 | 107 | 70-130 |
| 108-88-3 | Toluene | 50 | 51.3 | 103 | 70-140 |
| | m,p-Xylene | 50 | 46.6 | 93 | 55-134 |
| 95-47-6 | o-Xylene | 50 | 47.2 | 94 | 55-134 |
| CAS No. | Surrogate Recoveries | BSP | Lii | nits | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 85% | 63 | -130% | |
| 2037-26-5 | Toluene-D8 | 91% | 68 | -130% | |
| 460-00-4 | 4-Bromofluorobenzene | 93% | 61 | 130% | |

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Matrix Spike/Matrix Spike Duplicate Summary Job Number: D17402

N. MARK

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| Account: | DCPMCODN DCP Midstream, LP |
|----------|---|
| Project: | AECCOL: Xline Etcheverry Ranch Proj#400228028 |

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| D17402-7MS | 5V10313.D | 1 | 09/16/10 | DC | n/a | n/a | V5V568 |
| D17402-7MSD | 5V10314.D | 1 | 09/16/10 | DC | n/a | n/a | V5V568 |
| D17402-7 | 5V10312.D | 1 | 09/16/10 | DC | n/a | n/a | V5V568 |

The QC reported here applies to the following samples:

Method: SW846 8260B

D17402-1, D17402-2, D17402-3, D17402-4, D17402-5, D17402-6, D17402-7, D17402-8, D17402-9

| CAS No. | Compound | D17402-7 ug/l Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|------------|-----------------------|--------------------|---------------|------------|---------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 50 | 51.2 | 102 | 50.3 | 101 | 2 | 59-132/30 |
| 100-41-4 | Ethylbenzene | ND | 50 | 53.5 | 107 | 52.9 | 106 | 1 | 68-130/30 |
| 108-88-3 | Toluene | ND | 50 | 53.1 | 106 | 51.7 | 103 | 3 | 56-142/30 |
| 1330-20-7 | Xylene (total) | ND | 100 | 99.3 | 99 | 97.3 | 97 | 2 | 36-146/30 |
| | m,p-Xylene | ND | 50 | 50.9 | 102 | 49.8 | 100 | 2 | 36-146/30 |
| 95-47-6 | o-Xylene | ND | 50 | 48.4 | 97 | 47.5 | 95 | 2 | 36-146/30 |
| CAS No. | Surrogate Recoveries | MS | MSD | DI | 7402-7 | Limits | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 92% | 92% | 979 | % | 63-1309 | % | | |
| 2037-26-5 | Toluene-D8 | 86% | 84% | 919 | % | 68-1309 | % | | |
| 460-00-4 | 4-Bromofluorobenzene | 98% | 95% | 919 | % | 61-1309 | % | | |



Page 1 of 1

5.3.1 G

| Account: Project: | DCPMCODN DCP MAECCOL: Xline Etc | | | j#400228 | 8028 | | | | | | |
|-----------------------|---------------------------------|---------------|-------|------------|----------|--------|---------------------|-------|--------|-----------|--|
| Sample | File ID DF | Anal | | By | | p Date | Prep I | Batch | | cal Batch | |
| D17392-2M | | 09/17 | | DC | n/a | • | n/a | | V3V387 | | |
| D17392-2M | | 09/17 | | DC | n/a | | n/a | | V3V387 | | |
| D17392-2 | 3V07156.D 1 | . 09/17 | /10 | DC | n/a | | n/a | | V3V387 | | |
| The QC rej | ported here applies to the | e following s | ample | es: | - | | Method: | SW846 | 8260B | L | |
| D17402-10 | | | | | | | | | | | |
| | | D1739 | 2-2 | Spike | MS | MS | MSD | MSD | | Limits | |
| CAS No. | Compound | ug/l | Q | ug/l | ug/l | % | ug/l | % | RPD | Rec/RPD | |
| 71-43-2 | Benzene | ND | | 50 | 53.7 | 107 | 53.9 | 108 | 0 | 59-132/30 | |
| 100-41-4 | Ethylbenzene | ND | | 50 | 55.1 | 110 | 55.5 | 111 | 1 | 68-130/30 | |
| 108-88-3 | Toluene | ND | | 50 | 53.4 | 107 | 53.4 | 107 | 0 | 56-142/30 | |
| | m,p-Xylene | ND | | 50 | 47.4 | 95 | 47.8 | 96 | 1 | 36-146/30 | |
| 95-47-6 | o-Xylene | ND | | 50 | 47.2 | -94 | 48.2 | 96 | 2 | 36-146/30 | |
| | | MS | | MSD | D | 7392-2 | Limits | ÷ | | | |
| CAS No. | Surrogate Recoveries | 1016 | | | | | | | | | |
| CAS No. 17060-07-0 | 1,2-Dichloroethane-D4 | 88% | | 90% | 90 | % | 63-130 ⁰ | % | | | |
| | Ū | | | 90% 90% | 90 92 | | 63-130 68-130 | | | | |

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