AP - 055

1st QTR GW Results

YEAR(S): 2009



RECEIVED

DCP Midstream370 17th Street, Suite 2500
Denver, CO 80202 **303-595-3331**303-605-2226 *FAX*

2009 JUN 3 AM 11 34

June 2, 2009

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

RE: 1st Quarter 2009 Groundwater Results

DCP Midstream, LP RR Ext. Pipeline Release (AP #55) Unit C, Section 19, Township 20 South, Range 37 East

Lea County, New Mexico

Dear Mr. Lowe:

DCP Midstream, LP (DCP) is pleased to submit for your review, one copy of the 1st Quarter 2009 Groundwater Results for the DCP RR Ext. Pipeline Release located in Lea County, New Mexico (Unit C, Section 19, Township 20 South, Range 37 East).

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

Sincerely

DCP Midstream, LP

Stephen Weathers, PG

Principal Environmental Specialist

cc:

Larry Johnson, OCD Hobbs District Office (Copy on CD)

Environmental Files



May 26, 2009

Mr. Stephen Weathers DCP Midstream, LP 370 17th Street, Suite 2500 Denver, CO 80202

Re: First Quarter 2009 Groundwater Monitoring Report

RR Ext Pipeline Release

Unit C, Section 19 Township 20 South, Range 37 East (AP #55)

Dear Mr. Weathers:

This letter report summarizes the first quarter 2009 groundwater monitoring event that was completed on March 11, 2009 at the DCP Midstream (DCP) RR Ext Site (Figure 1). The well locations are shown on Figure 2. All eight monitoring wells were purged and sampled.

SUMMARY OF GROUNDWATER MONITORING ACTIVITIES

The construction information for the wells is summarized in Table 1. The wells were first purged to equilibration using dedicated bailers based on the field parameters of temperature, pH and conductivity. They were then sampled for benzene, toluene, ethylbenzene, xylenes (BTEX) and chlorides. A field duplicate from MW-2 and a matrix spike/matrix spike duplicate (MS/MSD) from MW-6 were also collected to evaluate quality control. All affected purge water was disposed of at the DCP Linam Ranch facility.

The water gauging data are summarized in Table 2. Well hydrographs are plotted on Figure 3. Figure 3 demonstrates that the water table behaved in a similar fashion across the site indicating that uniform groundwater conditions are present. The exception was MW-1, which exhibited more recovery than the other wells. This increase may have been related to its proximity to the historic remediation excavation (now filled). The measured water table elevations were also used to generate a groundwater contour map using the Surfer program with a kriging option. This map is included as Figure 4. Groundwater continues to flow toward the south-southeast.

The quality control evaluation can be summarized as follows:

- The method blanks were all within their control limits;
- The blank spikes were all within their control limits;
- The individual sample surrogates results were within the method ranges;
- The matrix spike and matrix spike duplicate values were acceptable.
- The RPD for benzene for MW-2 exhibited poor agreement but the sample was impacted. The RPD for toluene for MW-2 was substantially better.

Mr. Stephen Weathers May 26, 2009 Page 2

The above results indicate that the data are suitable for evaluation for a routine groundwater monitoring program.

The sampling data is included in Table 3. A summary of the field parameters and a copy of the laboratory report are attached. The New Mexico Water Quality Control Commission (NMWQCC) groundwater standards are included at the top of the table. Wells MW-1, MW-2, MW-3, MW-4 and MW-8 exceeded the benzene standard. Wells MW-2, MW-3 and MW-4 exceeded the toluene standard. Wells MW-2 and MW-4 exceeded the total xylenes standard. There were no exceedences in wells MW-5, MW-6 and MW-7.

Figure 5 shows the benzene concentrations for the first quarter 2009. All of the BTEX data collected for this project is summarized in Table 4. Figure 6 graphs the benzene concentration verses time for MW-1, MW-2, MW-3, MW-4, and MW-5. The concentrations of benzene in MW-3, MW-4, and MW-5 have increased since the fourth quarter 2008 event. The concentration of benzene increased slightly in MW-2 since the third quarter of 2008 (MW-2 could not be sampled during the fourth quarter 2008 event due to remediation activities). The concentration of benzene decreased in MW-1.

The samples were also submitted for chlorides analysis. Chloride data are summarized in Table 5. The chloride concentrations verses time are shown on Figure 7. All of the concentrations declined with the exception of MW-8. The difference between the rising benzene trends and falling chlorides trends in MW-2, MW-3, MW-4, and MW-5 indicates that chlorides were likely not a constituent in the original DCP release.

RECOMMENDATIONS

AEC believes that the recently completed soils remediation activities should stabilize and eventually reduce the extent of the dissolved phase hydrocarbon plume but it will take time for the indications of these changes to appear. AEC therefore recommends postponing any additional investigative activities until after the second quarter 2009 data have been collected and assessed.

The next sampling event will be completed during the second quarter of 2009. Do not hesitate to contact me if you have any questions or comments on this document.

Respectfully Submitted,

AMERICAN ENVIRONMENTAL CONSULTING, LLC

Arthur Taylor

Environmental Scientist

Reviewed by:

Michael H. Stewart, P.E., C.P.G.

Mechael H. Stewart

Principal Engineer

attachments

TABLES

Table 1 – Summary of Well Construction at the DCP RR Ext Location

| Well | Date Installed | Stickup | Total Depth (ground) | Screen Interval (ground) | Sand Interval |
|------|-------------------|---------|----------------------------|--------------------------------|------------------|
| | | | | | |
| MW-1 | 3/08 | 2.06 | 37.5 | 17.5-37.5 | 16-37.5 |
| MW-2 | 3/08 | 2.41 | 37.5 | 17.5-37.5 | 16-37.5 |
| MW-3 | 3/08 | 2.53 | 37.5 | 17.5-37.5 | 16-37.5 |
| MW-4 | 3/08 | 3.16 | 37.5 | 17.5-37.5 | 16-37.5 |
| MW-5 | 3/08 | 2.15 | 37.5 | 17.5-37.5 | 16-37.5 |
| MW-6 | 6/08 | 2.18 | 37.5 | 17.5-37.5 | 16-37.5 |
| MW-7 | 6/08 | 2.36 | 37.5 | 17.5-37.5 | 16-37.5 |
| MW-8 | 6/08 | 2.76 | 37.5 | 17.5-37.5 | 16-37.5 |

Notes:

Units are feet

All wells are 2-inch diameter

Wells were grouted to the surface with hydrated bentonite pellets and completed with above-ground well

protectors

Table 2 - Summary of First Quarter 2009 Water Table Data

| Well | Depth to Water | Water Table Elevation |
|------|-------------------|-----------------------------|
| MW-1 | 29.27 | 3505.30 |
| MW-2 | 30.26 | 3504.92 |
| MW-3 | 31.51 | 3505.06 |
| MW-4 | 30.51 | 3504.69 |
| MW-5 | 31.22 | 3504.70 |
| MW-6 | 31.58 | 3504.58 |
| MW-7 | 32.31 | 3504.78 |
| MW-8 | 31.19 | 3505.22 |

Units are Feet

Table 3 - RR Ext First Quarter 2009 Groundwater Sampling Results

Sampling Results

| Well | Benzene | Toluene | Ethylbenzene | Total Xylenes | Chlorides |
|------------|---------|---------|--------------|---------------|-----------|
| NMWQCC | . , | 7. | `. | | |
| Standards | .010 | 0.75 | 0.75 | 0.62 | 250* |
| | | | | | 11 |
| MW-1 | 0.288 | 0.107 | 0.0149 | 0.0395 | 432 |
| MW-2 | 23.7 | 2.34 | 0.583 | 1.25 | 114 |
| MW-2 Dup | 4.07 | 1.91 | 0.268 J | 0.49 J | 114 |
| MW-3 | 4.03 | 2.83 | 0.18 J | 0.61 | 273 |
| MW-4 | 3.61 | 3.4 | 0.164 J | 0.831 | 229 |
| MW-5 | 0.0067 | 0.0074 | < 0.002 | < 0.006 | 288 |
| MW-6 | < 0.002 | < 0.002 | < 0.002 | < 0.006 | 298 |
| MW-7 | < 0.002 | < 0.002 | < 0.002 | < 0.006 | 283 |
| MW-8 | 0.0218 | 0.0066 | < 0.002 | < 0.006 | 472 |
| TRIP BLANK | < 0.002 | < 0.002 | < 0.002 | < 0.006 | |

Notes: Units mg/l

NMWQCC Standards New Mexico Water Quality Control Commission Groundwater Standards J qualifier: Estimated value that falls between the method detection and method reporting limits Bold values exceed the New Mexico Water Quality Control Commission Groundwater Standards * The chloride is a secondary (non-health based) standard.

Table 4 - RR Ext BTEX Groundwater Monitoring Results Summary

| Well | Date | Benzene | Toluene | Ethylbenzene | Total Xylenes | | | |
|----------------|-------|-------------------------------------|---------|--------------|----------------------|--|--|--|
| WQCC Standards | | .010 | 0.75 | 0.75 | 0.62 | | | |
| | | | | | | | | |
| MW-1 | 3/08 | 1.4 | 0.948 | 0.0395 | 0.128 | | | |
| | 6/08 | 2.75 | 2.17 | 0.054 | 0.232 | | | |
| | 9/08 | 1.1 | 0.845 | 0.0375 | 0.131 | | | |
| Dup | 9/08 | 1.22 | 0.883 | 0.0506 | 0.197 | | | |
| | 12/08 | 0.869 | 0.581 | 0.0385 | 0.0709 | | | |
| | 3/09 | 0.288 | 0.107 | 0.0149 | 0.0395 | | | |
| | | | | | | | | |
| MW-2 | 3/08 | 8.98 | 6.58 | 0.135J | 0.765 | | | |
| Dup | 3/08 | 10 | 7 | 0.156J | 0.93 | | | |
| | 6/08 | 24.3 | 18.5 | 0.319 | 2.58 | | | |
| Dup | 6/08 | 23.5 | 19.2 | 0.309 | 2.36 | | | |
| | 9/08 | 21.7 | 9.79 | 0.443 | 4.25 | | | |
| | 12/08 | Not sampled: Remediation activities | | | | | | |
| | 3/09 | 23.7 | 2.34 | 0.583 | 1.25 | | | |
| Dup | 3/09 | 4.07 | 1.91 | 0.268 J | 0.49 J | | | |
| MW-3 | 3/08 | 0.759 | 0.849 | 0.0355 | 0.0786 | | | |
| 171.77 - 3 | 6/08 | 6.18 | 9.46 | 0.287 | 1.23 | | | |
| | 9/08 | 2.45 | 3.62 | 0.145 | 1.14 | | | |
| | 12/08 | 0.761 | 0.938 | 0.0492 | 0.158 | | | |
| - | 3/09 | 4.03 | 2.83 | 0.18 J | 0.61 | | | |
| | | | | | | | | |
| MW-4 | 3/08 | 0.0102 | 0.0093 | < 0.002 | 0.0023J | | | |
| | 6/08 | 0.0439 | 0.0256 | 0.0068 | 0.0147 | | | |
| | 9/08 | 0.514 | 0.443 | 0.0203 | 0.125 | | | |
| | 12/08 | 1.32 | 1.35 | 0.0812 | 0.239J | | | |
| | 3/09 | 3.61 | 3.4 | 0.164 J | 0.831 | | | |

Notes: Units mg/l

NMWQCC Standards New Mexico Water Quality Control Commission Groundwater Standards J qualifiers indicate an estimated concentration between the method detection and method reporting limits. Bold values exceed the New Mexico Water Quality Control Commission Groundwater Standards

Table 4 - RR Ext BTEX Groundwater Monitoring Results Summary (continued)

| Well | Date | Benzene | Toluene | Ethylbenzene | Total Xylenes |
|----------------|-------|---------|---------|--------------|---------------|
| WQCC Standards | | .010 | 0.75 | 0.75 | 0.62 |
| | 2/00 | 0.00101 | 0.00107 | 0.000 | 0.006 |
| MW-5 | 3/08 | 0.0019J | 0.0012J | < 0.002 | < 0.006 |
| | 6/08 | 0.0037 | 0.0037 | < 0.002 | < 0.006 |
| | 9/08 | 0.0038 | 0.0037 | < 0.002 | < 0.006 |
| | 12/08 | 0.0031 | 0.004 | < 0.002 | < 0.006 |
| | 3/09 | 0.0067 | 0.0074 | < 0.002 | < 0.006 |
| MW-6 | 6/08 | <0.002 | <0.002 | <0.002 | < 0.006 |
| | 9/08 | < 0.002 | < 0.002 | < 0.002 | < 0.006 |
| | 12/08 | < 0.002 | < 0.002 | < 0.002 | < 0.006 |
| | 3/09 | < 0.002 | < 0.002 | <0.002 | < 0.006 |
| MW-7 | 6/08 | <0.002 | <0.002 | <0.002 | <0.006 |
| | 9/08 | < 0.002 | < 0.002 | < 0.002 | < 0.006 |
| | 12/08 | < 0.002 | < 0.002 | < 0.002 | < 0.006 |
| | 3/09 | < 0.002 | < 0.002 | < 0.002 | < 0.006 |
| | | | | | |
| MW-8 | 6/08 | 0.0384 | 0.0255 | 0.00049J | 0.0016J |
| | 9/08 | 0.0301 | 0.0161 | < 0.002 | 0.002 J |
| | 12/08 | 0.0233 | 0.011 | < 0.002 | < 0.006 |
| Dup | 12/08 | 0.0122 | 0.006 | < 0.002 | < 0.006 |
| | 3/09 | 0.0218 | 0.0066 | < 0.002 | < 0.006 |

Notes: Units mg/l

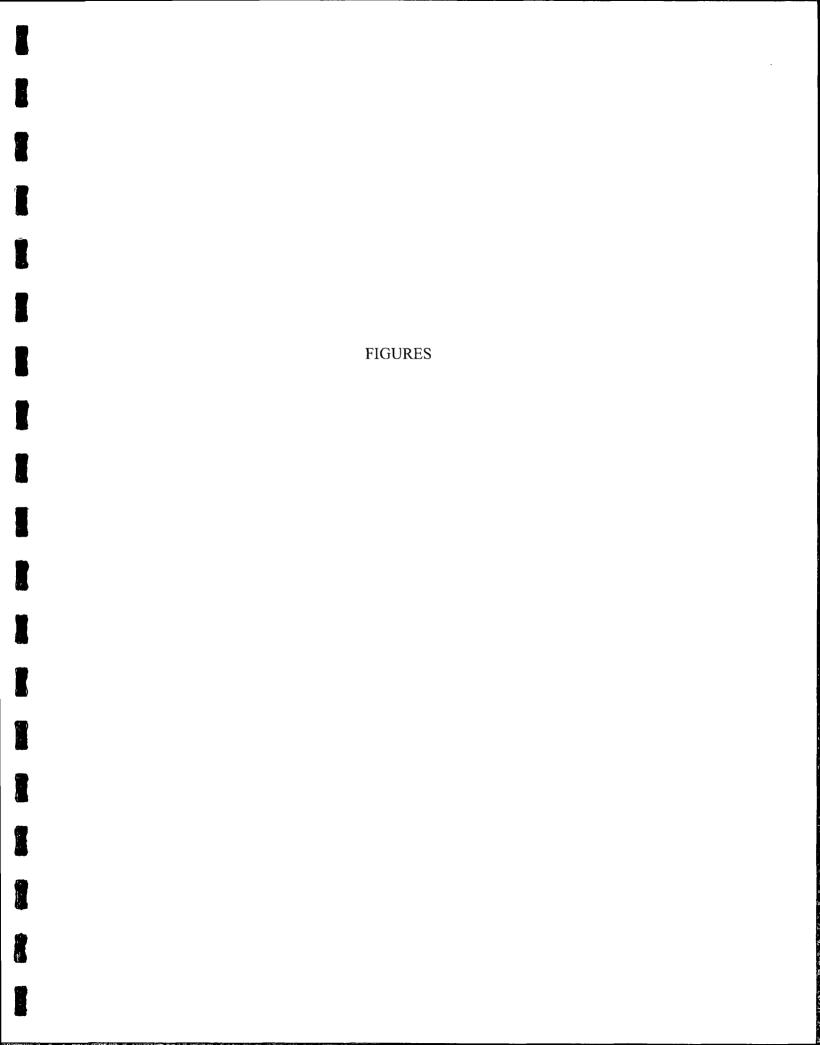
NMWQCC Standards New Mexico Water Quality Control Commission Groundwater Standards J qualifiers are not included

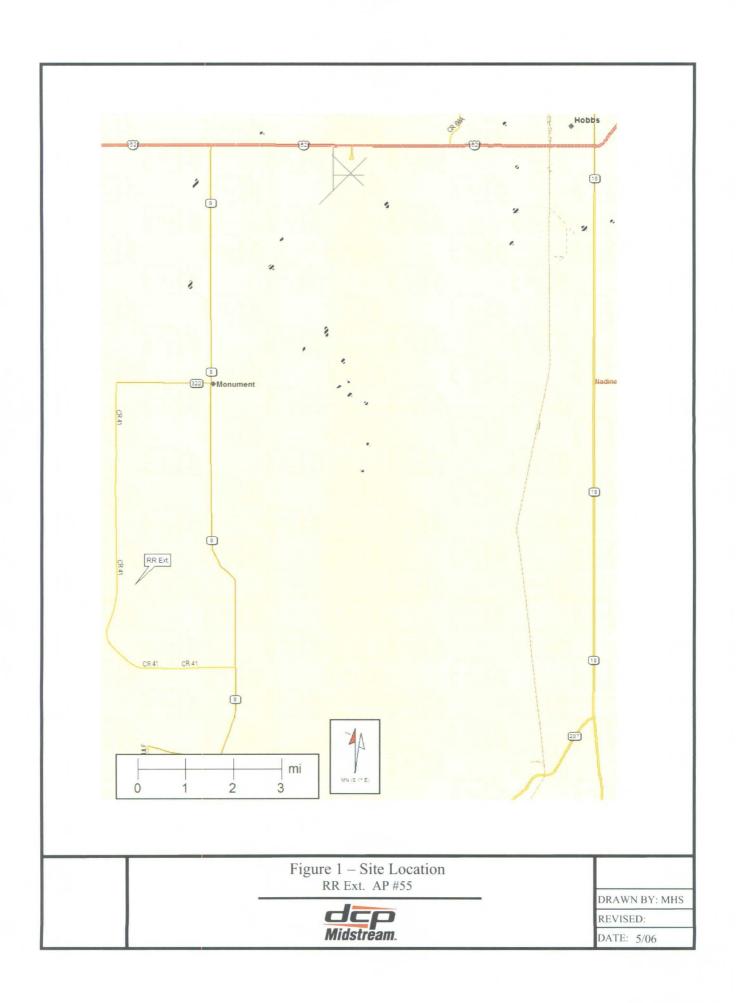
Bold values exceed the New Mexico Water Quality Control Commission Groundwater Standards

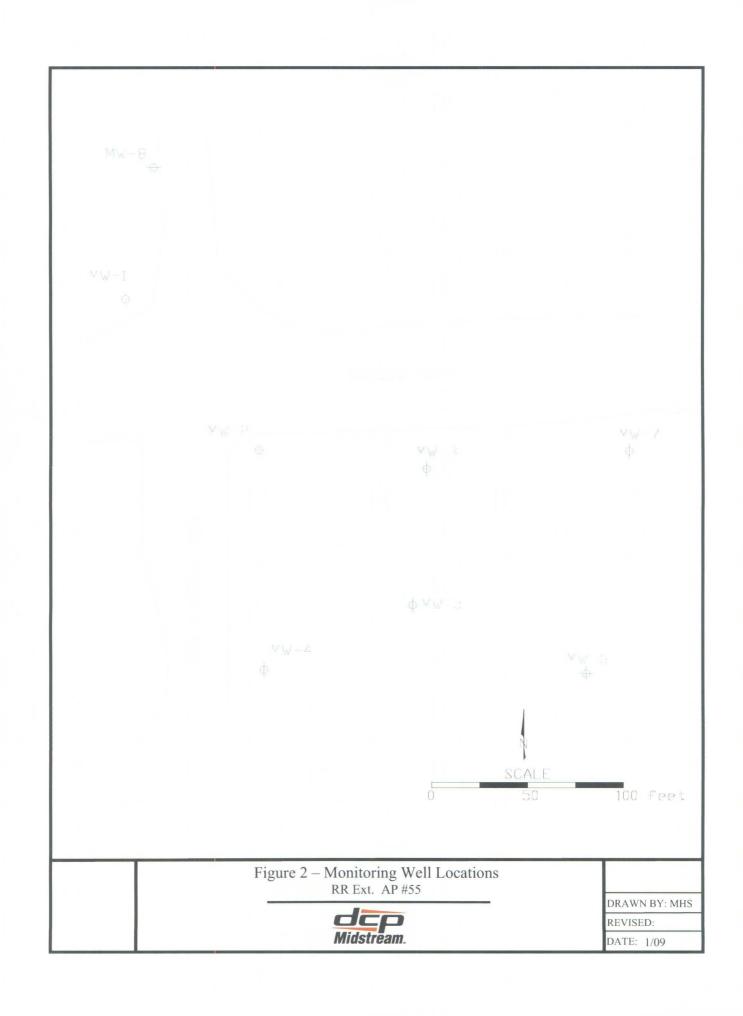
Table 5 - RR Ext Chlorides Groundwater Monitoring Results Summary

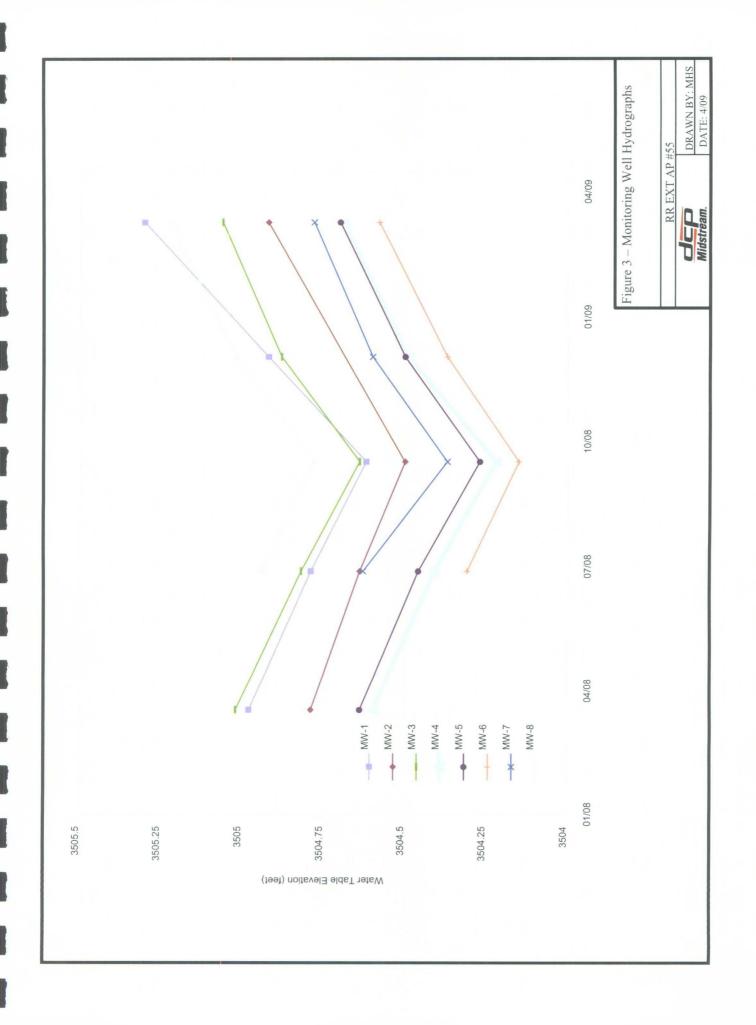
| Client ID | 9/08 | 12/08 | 3/09 | |
|-----------|-----------|-----------|-----------|--|
| | Chlorides | Chlorides | Chlorides | |
| | | | | |
| MW-1 | 507 | 447 | 432 | |
| MW-2 | 109 | NS | 114 | |
| MW-3 | 363 | 301 | 273 | |
| MW-4 | 318 | 281 | 229 | |
| MW-5 | 373 | 318 | 288 | |
| MW-6 | 363 | 325 | 298 | |
| MW-7 | 378 | 348 | 283 | |
| MW-8 | 512 | 393 | 472 | |

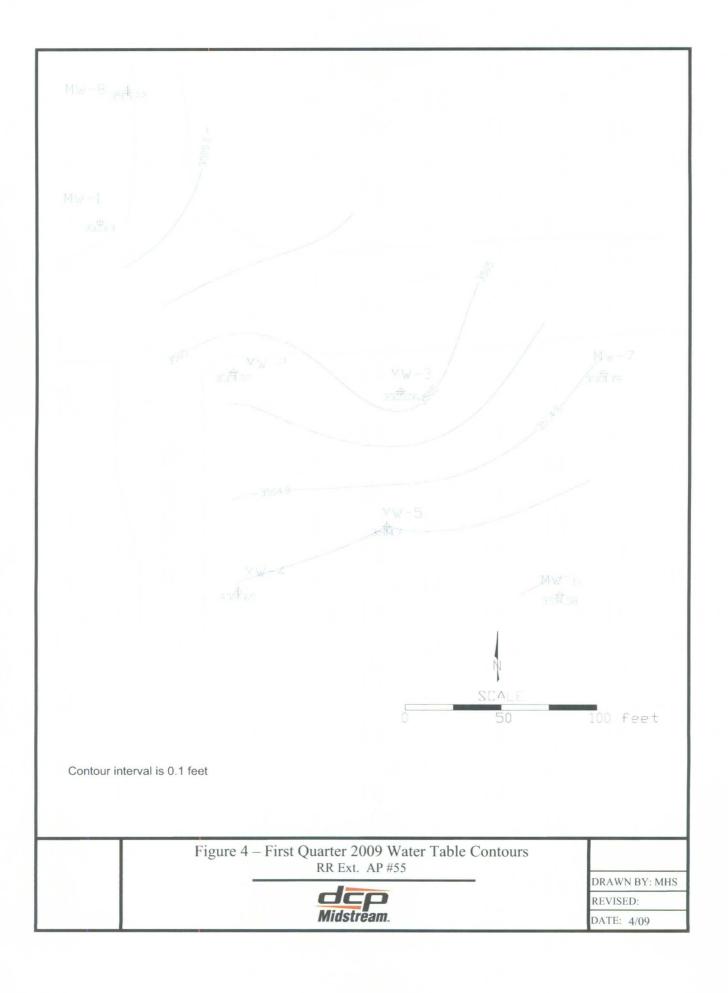
Notes: Units are mg/l

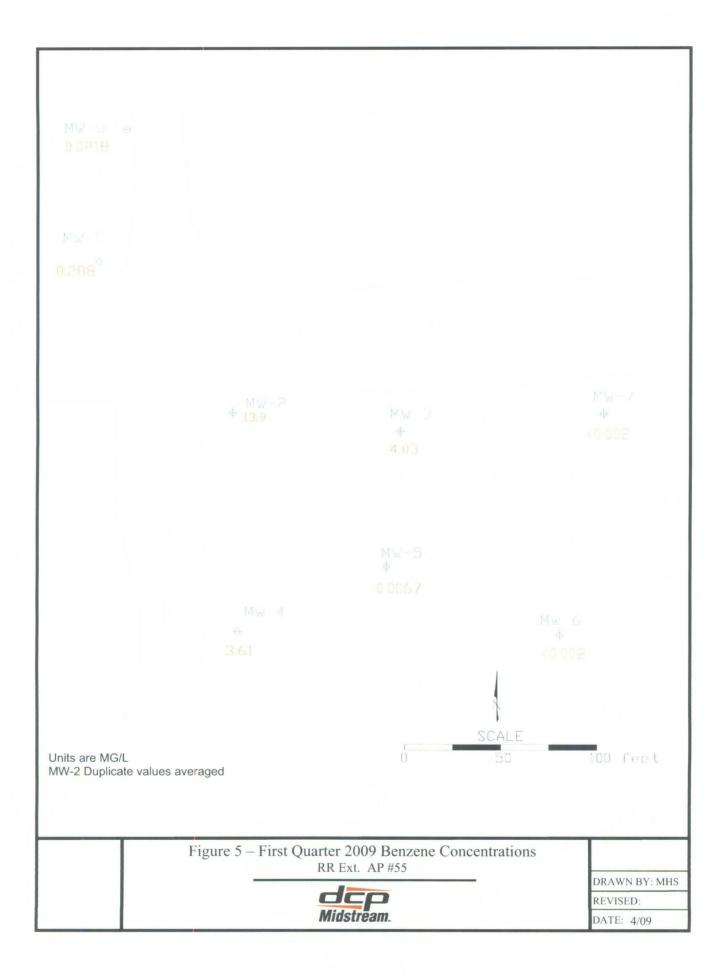


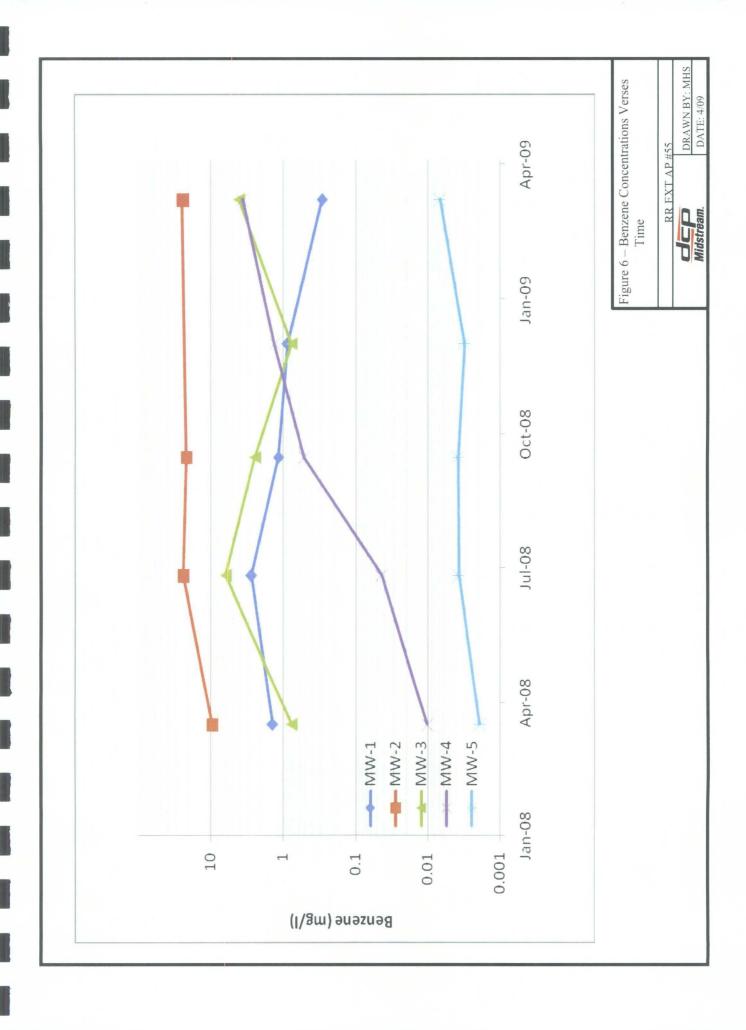














ATTACHMENT

WELL SAMPLING DATA AND ANALYTICAL LABORATORY REPORT

ATTACHMENT

WELL SAMPLING DATA AND ANALYTICAL LABORATORY REPORT

| | CLIENT: | DC | P Midstrea | am | | WELL ID: | MW-1 |
|--|------------|-------------|--------------|-------------|----------------------|-----------|--|
| SI | TE NAME: | | RR-EXT | | | DATE: | 3/11/2009 |
| PRC | JECT NO. | | | | M. Stewart/A. Taylor | | |
| | | | np, Type: | | | | |
| SAMPLIN | G METHOD |): | ☑ Dedicated | d Bailer [| Direct fro | om Discha | rge Hose □Other: |
| DESCRIB | E EQUIPME | ENT DECO | NTAMINATIO | ON METHO | DD BEFOI | RE SAMPL | ING THE WELL: |
| ☑ Gloves | s □ Alcono | x 🗆 Distill | ed Water Rir | nse 🗆 O | ther: | | |
| TOTAL DEPTH OF WELL: DEPTH TO WATER: HEIGHT OF WATER COLUMN: WELL DIAMETER: 29.27 Feet 10.29 Feet WELL DIAMETER: 2.0 Inch | | | | | | | _Minimum Gallons to _purge 3 well volumes |
| <u> </u> | VOLUME | TEMP. | COND. | | DO | | (Water Column Height x 0.49) |
| TIME | PURGED | | m S/cm | рН | mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 1.7 | | | | | | |
| | 3.4 | | | | | | |
| 705 | 5.1 | 15.5 | 2.43 | 7.42 | | | |
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| | | | | | | | |
| | 5.1 | Volume: (g | allons) | | | | |
| SAMP | LE NO.: | Collected S | Sample No.: | MW-1 | | | |
| ANAL | .YSES: | BTEX (826 | 0) | | | <u> </u> | |
| COM | MENTS: | | | | | | |
| | | - | | | | | |

| | CLIENT: | DC | P Midstrea | am | _ | WELL ID | :MW-2 |
|---------------------|----------------------|-------------|--------------------------------|----------|--------------|--|-------------------------|
| S | ITE NAME: | | RR-EXT | | _ | DATE | :3/11/2009 |
| PRO | DJECT NO. | | | | _ s | SAMPLER | t: M. Stewart/A. Taylor |
| | | | | | | np, Type: | |
| SAMPLIN | G METHOE |): | ☑ Dedicated | Bailer [| ☐ Direct fro | om Discha | arge Hose □Other: |
| DESCRIB | E EQUIPMI | ENT DECO | NTAMINATIO | ON METH | OD BEFOR | RE SAMP | LING THE WELL: |
| ☑ Glove: | s 🗆 Alcono | x 🗆 Distill | ed Water Rir | nse 🗆 C | Other: | | |
| DEPTH T HEIGHT (| O WATER: OF WATER | | 39.91 30.26 9.65 Inch | | 4.8 | _ Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) | |
| T11.45 | VOLUME | TEMP. | COND. | -11 | DO | Total | PHYSICAL APPEARANCE AND |
| TIME | PURGED | °C | <i>m</i> S/cm | рН | mg\L | Turb | REMARKS |
| | 1.6 | | | | | | |
| | 3.2 | | | | | | |
| 635 | 4.8 | 15.4 | 1.15 | 7.54 | | | |
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| | | | | : | | | |
| | 4.8 | Volume: (g | allons) | | | | |
| SAMP | LE NO.: | Collected S | Sample No.: | MW-2 | | | |
| ANAL | YSES: | BTEX (826 | 0) | | | | |
| COM | MENTS: | Collected d | luplicate sam | ple DUP | | | |
| | | | | | | | |

| | CLIENT: | DC | P Midstrea | am | - | WELL ID | :MW-3 |
|--|------------------|-------------|----------------|------------|-------------|-----------|--|
| SI | ITE NAME: | | RR-EXT | | - | DATE | : 3/11/2009 |
| PRO | DJECT NO. | | | | . 8 | SAMPLER | : M. Stewart/A. Taylor |
| | | | | | | np, Type: | |
| SAMPLIN | G METHOD | D: | ☑ Dedicated | d Bailer [| ☐ Direct fr | om Discha | arge Hose 🗆 Other: |
| DESCRIB | E EQUIPM | ENT DECO | NTAMINATIO | ON METHO | DD BEFO | RE SAMP | LING THE WELL: |
| ☑ Glove: | s 🗆 Alcono | x 🗆 Distill | ed Water Rin | nse 🗆 C | Other: | | |
| TOTAL DEPTH OF WELL: 40.03 Feet DEPTH TO WATER: 31.51 Feet HEIGHT OF WATER COLUMN: 8.52 Feet WELL DIAMETER: 2.0 Inch | | | | | | 4.3 | _ Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) |
| TIME | VOLUME PURGED | | COND. mS/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 1.5 | | | | | | |
| | 3.0 | | | | | | |
| 635 | 4.5 | 16.6 | 2.00 | 7.36 | | | |
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| - | 4.5 | Volume: (g | , | | | | |
| | PLE NO.: | | Sample No.: | MW-3 | | | |
| | _YSES: | BTEX (826 | 0) | | | | |
| COM | MENTS: | | | | | | |
| | | | · | | | | |

| | CLIENT: | DC | P Midstrea | am | _ | WELL ID: MW-4 | | |
|----------------------|----------------------|-------------------------|----------------|------------|------------------------|---------------|---|--|
| SI | ITE NAME: | | RR-EXT | | | DATE | :3/11/2009 | |
| PRO | DJECT NO. | | | | : M. Stewart/A. Taylor | | | |
| | | | | np, Type: | | | | |
| SAMPLIN | G METHOD |) : | ☑ Dedicated | d Bailer 🏻 | ☐ Direct fro | om Discha | rge Hose □Other: | |
| DESCRIB | E EQUIPMI | ENT DECO | NTAMINATIO | ON METHO | DD BEFOR | RE SAMP | LING THE WELL: | |
| ☑ Glove: | s 🗆 Alcono | x 🗆 Distill | | | | | | |
| DEPTH TO HEIGHT (| O WATER: OF WATER | VELL: COLUMN: 2.0 | 30.51 10.15 | | - | 5.1 | _Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) | |
| TIME | VOLUME PURGED | | COND. mS/cm | pН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS | |
| | 1.7 | 17.7 | 1.54 | 7.44 | | | | |
| | 3.4 | 17.5 | <u>1</u> .70 | 7.44 | | | | |
| 545 | 5.1 | 17.3 | 1.68 | 7.44 | | | | |
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| | 5.1 | Volume: (g | | | | | | |
| | LE NO.: | | Sample No.: | MW-4 | | | | |
| | YSES: | BTEX (826 | 0) | <u> </u> | | | | |
| COM | MENTS: | | | | | | | |
| | | | | | | | | |

| | CLIENT: | DC | am | _ | WELL ID | : <u>MW-5</u> | |
|--|--|-------------|--------------|------------|--------------|---------------|--|
| SI | ITE NAME: | | | _ | DATE | 3/11/2009 | |
| PRO | JECT NO. | | | | _ | SAMPLER | t: M. Stewart/A. Taylor |
| | | | | | | | |
| SAMPLIN | G METHOD |): | ☑ Dedicate | d Bailer [| □ Direct fr | om Discha | arge Hose □Other: |
| DESCRIB | E EQUIPMI | ENT DECO | NTAMINATI | ON METH | OD BEFO | RE SAMP | LING THE WELL: |
| ☑ Glove: | s 🗆 Alcono | x 🗆 Distill | ed Water Rii | Other: | | | |
| TOTAL DEPTH OF WELL: DEPTH TO WATER: HEIGHT OF WATER COLUMN: WELL DIAMETER: 2.0 Inch | | | | | | 5.5 | _ Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) |
| TIME | VOLUME | | COND. | pН | DO | Turb | PHYSICAL APPEARANCE AND |
| | PURGED | | m S/cm | • | mg\L | | REMARKS |
| - | 1.5 | 17.4 | 1.89 | 7.43 | | | |
| | 3.0 | 17.4 | 1.90 | 7.48 | | | |
| 550 | 4.5 | 17.4 | 1.90 | 7.51 | 1 | | |
| - | | | | | | | |
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| | | | | | | | 1,74,7 104, 104, 104, 104, 104, 104, 104, 104, |
| | | | | | | | |
| | | | | | | | |
| | 4.5 | Volume: (g | allons) | | | | |
| SAMP | LE NO.: | Collected S | Sample No.: | MW-5 | | | |
| ANAL | YSES: | BTEX (826 | 0) | | | | |
| COM | MENTS: | | | | | | |
| | | | | | | | |

| | CLIENT: | DC | P Midstrea | am | _ | WELL ID | :MW-6 |
|--|------------------|-------------|----------------|-------------|------------------------|-----------|---|
| S | ITE NAME: | RR-EXT | | | _ | DATE | :3/11/2009 |
| PRO | DJECT NO. | | | | : M. Stewart/A. Taylor | | |
| | | | | | np, Type: | | |
| SAMPLIN | G METHOD |): | ☑ Dedicated | d Bailer [| ☐ Direct fre | om Discha | arge Hose □Other: |
| DESCRIB | E EQUIPMI | ENT DECO | NTAMINATIO | ON METH | OD BEFO | RE SAMP | LING THE WELL: |
| ☑ Glove | s 🗌 Alcono | | | | | | |
| TOTAL DEPTH OF WELL: 39.68 Feet DEPTH TO WATER: 31.58 Feet HEIGHT OF WATER COLUMN: 8.10 Feet WELL DIAMETER: 2.0 Inch | | | | | | 4.1 | _Minimum Gallons to purge 3 well volumes |
| | 1 | 75.45 | | | T = a | | (Water Column Height x 0.49) |
| TIME | VOLUME PURGED | | COND. mS/cm | рΗ | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS |
| | 1.5 | 16.9 | 1.87 | 7.48 | | | |
| | 3.0 | 17.5 | 1.84 | 7.47 | | | |
| 610 | 4.5 | 17.7 | 1.84 | 7.45 | | l | |
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| <u></u> | | | | | | | |
| | 4.5 | Volume: (g | allons) | | | | |
| SAMP | LE NO.: | Collected S | Sample No.: | MW-6 | | | |
| ANAL | _YSES: | BTEX (826 | 0) | | | | |
| COM | MENTS: | Collected n | natrix spike/r | natrix spik | e duplicate |) | |
| | | | | | | | |

| CLIENT: | | | r Midsire | 3111 | _ | WELL ID: | | | |
|----------------------|----------------------|---------------------------------------|--------------------------------|----------------------|--|----------------------|---|--|--|
| SI | ITE NAME: | RR-EXT | | | DATE: | | 3/11/2009 | | |
| | PROJECT NO. | | | _ 8 | | M. Stewart/A. Taylor | | | |
| | | | | | | mp, Type: | | | |
| SAMPLIN | G METHOD |) : | ☑ Dedicate | d Bailer [| ☐ Direct fr | om Discha | rge Hose □Other: | | |
| DESCRIB | E EQUIPMI | ENT DECO | NTAMINATIO | ON METH | OD BEFO | RE SAMPI | ING THE WELL: | | |
| ☑ Glove: | s □ Alcono | x 🗆 Distill | ed Water Ri | nse 🗆 C | Other: | , | ··· | | |
| DEPTH TO HEIGHT (| O WATER: OF WATER | COLUMN: 2.0 | 39.86 32.31 7.55 Inch | Feet Feet Feet | | 3.8 | _Minimum Gallons to purge 3 well volumes (Water Column Height x 0.49) | | |
| TIME | VOLUME PURGED | | COND. mS/cm | рН | DO mg\L | Turb | PHYSICAL APPEARANCE AND REMARKS | | |
| | 1.3 | 15.9 | 2.1 | 7.51 | | | | | |
| | 2.6 | 17.3 | 2.08 | 7.44 | | | | | |
| 610 | 3.9 | 17.6 | 2.06 | 7.45 | | | | | |
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| - | | | | | | | | | |
| | 20 | Volume: /= | allona) | <u></u> | <u> </u> | <u> </u> | | | |
| SAMD. | 3.9 LE NO.: | Volume: (g | alions) Sample No.: | MW-7 | | | | | |
| | YSES: | BTEX (826 | | 10100-7 | | | | | |
| | MENTS: | DILX (020 | ···) | | | | | | |
| COM | VILIVIO. | | | | | | | | |
| | | | | | | | | | |

| CLIENT: DCF | | P Midstream | | - | WELL ID | :MW-8 | | | | |
|-------------------------------------|----------------------|-------------|--------------------------------|------------|--------------|-------------|---|--|--|--|
| SI | ITE NAME: | | RR-EXT | | _ | DATE | :3/11/2009 | | | |
| SITE NAME: RR-EXT PROJECT NO. | | | | | | SAMPLER | t: M. Stewart/A. Taylor | | | |
| PURGING METHOD: ☑ Hand Bailed ☐ Pur | | | | | | | | | | |
| SAMPLIN | G METHOD |) : | ☑ Dedicated | d Bailer [| ☐ Direct fro | om Discha | arge Hose □Other: | | | |
| DESCRIB | E EQUIPMI | ENT DECO | NTAMINATIO | ON METHO | OD BEFOR | RE SAMP | LING THE WELL: | | | |
| ☑ Glove: | s □ Alcono | x 🗆 Distill | ed Water Rir | nse 🗆 C | Other: | | | | | |
| DEPTH TO HEIGHT (| O WATER: OF WATER | | 40.26 31.19 9.07 Inch | Feet | | 4.5 | Minimum Gallons to purge 3 well volumes | | | |
| 711.45 | VOLUME | TEMP. | COND. | | DO | | (Water Column Height x 0.49) PHYSICAL APPEARANCE AND | | | |
| TIME | PURGED | °c | m S/cm | pН | mg\L | Turb | REMARKS | | | |
| | 1.5 | 16 | 2.4 | 7.44 | | | | | | |
| | 3.0 | 16.8 | 2.44 | 7.48 | | | | | | |
| 705 | 4.5 | 17.3 | 2.45 | 7.46 | | | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| 4.5 | | Volume: (g | allons) | | | ···- | | | | |
| SAMPLE NO.: | | Collected S | Sample No.: | MW-8 | | | | | | |
| ANAL | YSES: | BTEX (826 | 0) | | | | | | | |
| COM | MENTS: | | | | | | | | | |
| | | | | | | | | | | |





04/20/09



Technical Report for

DCP Midstream, LLC

AECCOLI: DCP Midstream RR Ext

Accutest Job Number: T26008

Sampling Date: 03/11/09

Report to:

American Environmental Consulting

mstewart@aecdenver.com

ATTN: Mike Stewart

Total number of pages in report: 45



ACCUTEST

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Α



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.

Paul Canevaro **Laboratory Director**

Paul K Carrevaro

Client Service contact: William Reeves 713-271-4700

Certifications: TX (T104704220-06-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103) UT(7132714700)

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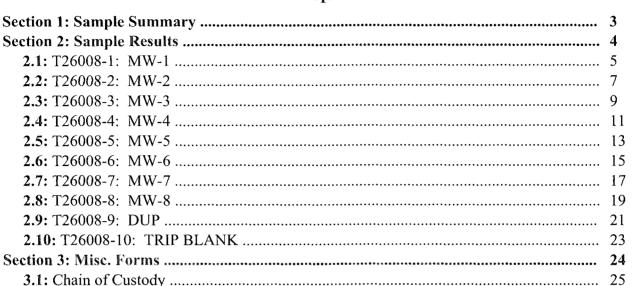
Gulf Coast • 10165 Harwin Drive • Suite 150 • Houston, TX 77036 • tel: 713-271-4700 • fax: 713-271-4770 • http://www.accutest.com

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Sample Summary

DCP Midstream, LLC

AECCOLI: DCP Midstream RR Ext

Job No:

T26008

| Sample Number | Collected Date Time B | y Received | Matr Code | | Client Sample ID |
|------------------|-----------------------|-------------|--------------|--------------------|---------------------|
| T26008-1 | 03/11/09 19:05 M | S 03/13/09 | AQ | Ground Water | MW-1 |
| T26008-2 | 03/11/09 18:35 M | S 03/13/09 | AQ | Ground Water | MW-2 |
| T26008-3 | 03/11/09 18:35 M | (S 03/13/09 | AQ | Ground Water | MW-3 |
| T26008-4 | 03/11/09 17:45 M | (S 03/13/09 | AQ | Ground Water | MW-4 |
| T26008-5 | 03/11/09 17:50 M | IS 03/13/09 | AQ | Ground Water | MW-5 |
| T26008-6 | 03/11/09 18:10 M | IS 03/13/09 | AQ | Ground Water | MW-6 |
| T26008-6D | 03/11/09 18:10 M | IS 03/13/09 | AQ | Water Dup/MSD | MW-6 MSD |
| T26008-6S | 03/11/09 18:10 M | IS 03/13/09 | AQ | Water Matrix Spike | MW-6 MS |
| T26008-7 | 03/11/09 18:10 M | IS 03/13/09 | AQ | Ground Water | MW-7 |
| T26008-8 | 03/11/09 19:05 M | IS 03/13/09 | AQ | Ground Water | MW-8 |
| T26008-9 | 03/11/09 00:00 M | IS 03/13/09 | AQ | Ground Water | DUP |
| T26008-10 | 03/11/09 00:00 M | IS 03/13/09 | AQ | Trip Blank Water | TRIP BLANK |







| Sample Results | · | |
|--------------------|-------|--|
| Report of Analysis | | |
| | | |

Report of Analysis

Page 1 of 1

Client Sample ID: MW-1

Lab Sample ID: Matrix:

Method:

Project:

T26008-1

AO - Ground Water

SW846 8260B

AECCOLI: DCP Midstream RR Ext

Date Sampled: 03/11/09 Date Received: 03/13/09

Percent Solids: n/a

| | File ID | DF | Analyzed | Ву | Prep Date | Prep Batch | Analytical Batch |
|--------|------------|----|----------|----|-----------|------------|------------------|
| Run #1 | F014767.D | 1 | 03/16/09 | RR | n/a | n/a | VF3320 |
| Run #2 | Y0031072.D | 10 | 03/16/09 | RR | n/a | n/a | VY2085 |

Purge Volume Run #1 5.0 ml Run #2 5.0 ml

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|--|---|--|-------------------------------------|--|-----------|---|
| 71-43-2 108-88-3 100-41-4 1330-20-7 | Benzene Toluene Ethylbenzene Xylene (total) | 0.288 ^a 0.107 0.0149 0.0395 | 0.020 0.0020 0.0020 0.0060 | 0.0046 0.00048 0.00045 0.0014 | 0 | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limi | Ŭ | |
| 1868-53-7 17060-07-0 2037-26-5 460-00-4 | Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 104% 100% 104% 109% | 97% 93% 102% 97% | 79-12 75-12 87-11 80-13 | 21% 9% | |

(a) Result is from Run# 2

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



Report of Analysis

Page 1 of 1

Client Sample ID: MW-1

Lab Sample ID:

T26008-1

Matrix:

AQ - Ground Water

Date Sampled: 03/11/09

Date Received: 03/13/09

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

General Chemistry

Analyte

Chloride

Result

432

RL

Units

mg/l

DF

10

Analyzed

Method By 03/18/09 10:00 KD

SM 4500 CL C

RL = Reporting Limit



Report of Analysis

Page 1 of 1

VF3323

Client Sample ID: MW-2 Lab Sample ID: T26008-2

Matrix:

AQ - Ground Water

DF

100

200

Date Sampled: Date Received: Percent Solids: SW846 8260B

By

RR

RR

n/a

Analyzed

03/16/09

03/17/09

Method: Project:

Run #1

Run #2

AECCOLI: DCP Midstream RR Ext

| Percent Solids: | n/a | |
|-----------------|------------|----------------------------|
| Prep Date | Prep Batch | Analytical Batch VF3320 |

n/a

03/11/09

03/13/09

Purge Volume Run #1 5.0 ml Run #2 5.0 ml

File ID

F014763.D

F014835.D

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------------------|--------|--------|---------|-------|---|
| 71-43-2 | Benzene | 23.7 a | 0.40 | 0.092 | mg/l | |
| 108-88-3 | Toluene | 2.34 | 0.20 | 0.048 | mg/l | |
| 100-41-4 | Ethylbenzene | 0.583 | 0.20 | 0.045 | mg/l | |
| 1330-20-7 | Xylene (total) | 1.25 | 0.60 | 0.14 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Lim | its | |
| 1868-53-7 | Dibromofluoromethane | 109% | 104% | 79-122% | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 109% | 107% | 75-121% | | |
| 2037-26-5 | Toluene-D8 | 108% | 100% | 87-119% | | |
| 460-00-4 | 4-Bromofluorobenzene | 113% | 107% | 80-133% | | |

(a) Result is from Run# 2

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



Page 1 of 1

Client Sample ID: MW-2

Lab Sample ID:

T26008-2

AQ - Ground Water

Date Sampled: 03/11/09

Date Received: 03/13/09

Percent Solids: n/a

Project:

Matrix:

AECCOLI: DCP Midstream RR Ext

General Chemistry

Analyte

Result

RL

Units

DF

Analyzed

Ву Method

114 Chloride mg/l

10

03/18/09 10:00 KD

SM 4500 CL C

RL = Reporting Limit



Ву

RR

n/a

Page 1 of 1

Client Sample ID: MW-3

Lab Sample ID:

T26008-3

Matrix: Method:

AQ - Ground Water

DF

100

SW846 8260B

AECCOLI: DCP Midstream RR Ext

Analyzed

03/16/09

Date Sampled: 03/11/09 Date Received: 03/13/09

Percent Solids: n/a

Prep Date Prep Batch

n/a

Analytical Batch VY2085

Run #1 Run #2

Project:

Purge Volume

Y0031073.D

Run #1

 $5.0 \, ml$

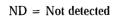
File ID

Run #2

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|----------------|--------|------|-------|-------|---|
| 71-43-2 | Benzene | 4.03 | 0.20 | 0.046 | mg/l | J |
| 108-88-3 | Toluene | 2.83 | 0.20 | 0.048 | mg/l | |
| 100-41-4 | Ethylbenzene | 0.180 | 0.20 | 0.045 | mg/l | |
| 1330-20-7 | Xylene (total) | 0.610 | 0.60 | 0.14 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 97% | * | 79-122% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 92% | | 75-121% |
| 2037-26-5 | Toluene-D8 | 102% | | 87-119% |
| 460-00-4 | 4-Bromofluorobenzene | 100% | | 80-133% |



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



Page 1 of 1

Client Sample ID: MW-3

Lab Sample ID: T26008-3

Matrix:

AQ - Ground Water

Date Sampled:

03/11/09 Date Received: 03/13/09

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

General Chemistry

Method Analyte Result RLUnits DF Analyzed By

273 10 03/18/09 10:00 KD SM 4500 CL C Chloride . 10 mg/l

Client Sample ID: MW-4 Lab Sample ID: T26008-4

Project:

Matrix: AQ - Ground Water Method: SW846 8260B

SW846 8260B AECCOLI: DCP Midstream RR Ext Date Sampled: 03/11/09 Date Received: 03/13/09

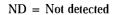
Date Received: 03/13/09 Percent Solids: n/a

Analytical Batch File ID DF Analyzed By Prep Date Prep Batch VY2085 Run #1 Y0031074.D 100 03/16/09 RR n/a n/a Run #2

Purge Volume
Run #1 5.0 ml
Run #2

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------------------|-----------------------|--------------|---------|----------------|--------------|---|
| 71-43-2 108-88-3 | Benzene Toluene | 3.61 3.40 | 0.20 | 0.046 0.048 | mg/l mg/l | |
| 100-30-3 | Ethylbenzene | 0.164 | 0.20 | 0.045 | mg/l | J |
| 1330-20-7 | Xylene (total) | 0.831 | 0.60 | 0.14 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Lim | its | |
| 1868-53-7 | Dibromofluoromethane | 97% | 79-122% | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 93% | | 75-1 | 21% | |
| 2037-26-5 | Toluene-D8 | 102% | | 87-1 | 19% | |
| 460-00-4 | 4-Bromofluorobenzene | 102% | 80-133% | | | |



MDL - Method Detection Limit

RL = Reporting Limit

J = Indicates an estimated value

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



E = Indicates value exceeds calibration range

Client Sample ID: MW-4 Lab Sample ID:

T26008-4

AQ - Ground Water

Date Sampled:

03/11/09 Date Received: 03/13/09

Percent Solids: n/a

Project:

Chloride

Matrix:

AECCOLI: DCP Midstream RR Ext

General Chemistry

Analyte

Result

229

RL

10

Units

mg/l

DF

10

Analyzed

Ву Method

03/18/09 10:00 KD SM 4500 CL C



By

RR

Page 1 of 1

Client Sample ID: MW-5 Lab Sample ID: T26008-5

File ID

Matrix:

AQ - Ground Water

DF

1

Date Sampled: 03/11/09 Date Received: 03/13/09

Method:

SW846 8260B

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

Analyzed

03/16/09

Prep Date Prep Batch Analytical Batch n/a VZ2436

Run #1 Run #2

Purge Volume

Z0048759.D

Run #1 5.0 ml

Run #2

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|--|---|------------------------------|--|---|------------|---|
| 71-43-2 108-88-3 100-41-4 1330-20-7 | Benzene Toluene Ethylbenzene Xylene (total) | 0.0067 0.0074 ND ND | 0.0020 0.0020 0.0020 0.0060 | 0.00046 0.00048 0.00045 0.0014 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limit | ts | |
| 1868-53-7 17060-07-0 2037-26-5 460-00-4 | Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 93% 91% 93% 78% | 79-122% 75-121% 87-119% 80-133% | | 21% .9% | |

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



Page 1 of 1

Client Sample ID: MW-5

Lab Sample ID: Matrix:

T26008-5

AQ - Ground Water

Date Sampled:

03/11/09

Date Received:

03/13/09

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

General Chemistry

Analyte

Result

RL

Units

DF

10

Analyzed

Method By

Chloride

288

mg/l

03/18/09 10:00 KD

SM 4500 CL C

RL = Reporting Limit



RR

Page 1 of 1

Client Sample ID: MW-6

Lab Sample ID: Matrix:

T26008-6

Date Sampled: Date Received:

n/a

03/11/09 03/13/09

Method:

AQ - Ground Water SW846 8260B

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

03/16/09

File ID DF Analyzed By 1

Prep Date Prep Batch n/a

Analytical Batch VF3320

Run #1 Run #2

Purge Volume

F014760.D

Run #1 Run #2 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 | ND ND ND | 0.0020 0.0020 0.0020 | 0.00046 0.00048 0.00045 | mg/l | |
| 1330-20-7 | Xylene (total) | ND | 0.0060 | 0.0014 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limi | ts | |
| 1868-53-7 | Dibromofluoromethane | 104% | | 79-12 | 22% | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 109% | , | 75-12 | 21% | |
| 2037-26-5 | Toluene-D8 | 103% | | 87-11 | 19% | |
| 460-00-4 | 4-Bromofluorobenzene | 108% | | 80-13 | 33% | |

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



Client Sample ID: MW-6

Lab Sample ID:

T26008-6

Date Sampled:

03/11/09 03/13/09

Matrix:

AQ - Ground Water

Date Received:

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

General Chemistry

Analyte

Result

RL

Units

DF

10

Analyzed

Method By

Chloride

298

10

mg/l

03/18/09 10:00 KD

SM 4500 CL C

RL = Reporting Limit



VZ2436

Report of Analysis

RR

Client Sample ID: MW-7

File ID

Lab Sample ID: Matrix: T26008-7

AQ - Ground Water SW846 8260B

DF

1

AECCOLI: DCP Midstream RR Ext

Analyzed

03/16/09

Date Sampled: 03/11/09 Date Received: 03/13/09

n/a

Percent Solids: n/a

By Prep Date Prep Batch Analytical Batch

n/a

Run #1 Run #2

Method:

Project:

Purge Volume

Z0048761.D

Run #1 5.0 ml

Run #2

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------------------|---------------|---------------|---------------|-------|---|
| 71-43-2 | Benzene | ND | 0.0020 | 0.00046 | _ | |
| 108-88-3 | Toluene | !ND | 0.0020 | 0.00048 | mg/l | |
| 100-41-4 | Ethylbenzene | ND | 0.0020 | 0.00045 | mg/l | |
| 1330-20-7 | Xylene (total) | ND | 0.0060 | 0.0014 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 Limits | | ts | |
| 1868-53-7 | Dibromofluoromethane | 88% | • | 79-12 | 22% | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | , 87 % | | 75-12 | 21% | |
| 2037-26-5 | Toluene-D8 | 92% | • | 87 -11 | 9% | |
| 460-00-4 | 4-Bromofluorobenzene | 74% | : | 80-13 | 3% | |

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



Client Sample ID: MW-7

Lab Sample ID: Matrix:

T26008-7

AQ - Ground Water

Date Sampled:

03/11/09

Date Received: Percent Solids: n/a

03/13/09

AECCOLI: DCP Midstream RR Ext

General Chemistry

Analyte

Project:

Result

RL

Units

DF

10

Analyzed

Method By

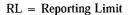
Chloride

283

mg/l

03/18/09 10:00 KD

SM 4500 CL C



By

RR

Page 1 of 1

Client Sample ID: MW-8

File ID

5.0 ml

Lab Sample ID: Matrix:

T26008-8

AQ - Ground Water

DF

1

03/11/09 Date Sampled: Date Received:

03/13/09

Method:

SW846 8260B

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

Analyzed

03/16/09

Prep Date Prep Batch Analytical Batch VZ2436 n/a n/a

Run #1

Run #2

Purge Volume

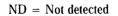
Z0048760.D

Run #1

Run #2

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------------------|--------|---------------|---------|-------|---|
| 71-43-2 | Benzene | 0.0218 | 0.0020 | 0.00046 | _ | |
| 108-88-3 | Toluene | 0.0066 | 0.0020 | 0.00048 | mg/l | |
| 100-41-4 | Ethylbenzene | ND | 0.0020 | 0.00045 | mg/l | |
| 1330-20-7 | Xylene (total) | ND | 0.0060 | 0.0014 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 Limits | | ts | |
| 1868-53-7 | Dibromofluoromethane | 89% | 79-122% | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 90% | | 75-12 | 21% | |
| 2037-26-5 | Toluene-D8 | 94% | | 87-11 | 19% | |
| 460-00-4 | 4-Bromofluorobenzene | 76% | 3 | 80-13 | 33% | |

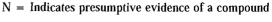


MDL - Method Detection Limit

RL = Reporting Limit

J = Indicates an estimated value

B = Indicates analyte found in associated method blank





E = Indicates value exceeds calibration range

Client Sample ID: MW-8

Lab Sample ID: Matrix:

T26008-8

AQ - Ground Water

Date Sampled: 03/11/09

Date Received: 03/13/09

Percent Solids: n/a

Project:

AECCOLI: DCP Midstream RR Ext

General Chemistry

RL Units DF Method Analyte Result Analyzed By

Chloride 472 10 03/18/09 10:00 KD 10 mg/l SM 4500 CL C



Page 1 of 1

Client Sample ID: DUP

Lab Sample ID:

T26008-9

AQ - Ground Water

Date Sampled: Date Received:

03/11/09 03/13/09

Matrix: Method:

SW846 8260B

Percent Solids:

n/a

Project:

AECCOLI: DCP Midstream RR Ext

File ID Run #1 F014833.D DF 200 Analyzed Ву 03/17/09 RR Prep Date n/a

Prep Batch n/a

Q

Analytical Batch VF3323

Run #2

Purge Volume

Run #1

5.0 ml

Run #2

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | |
|---------|----------|--------|------|-------|-------|--|
| 71-43-2 | Benzene | 4.07 | 0.40 | 0.092 | mg/l | |

108-88-3 Toluene 1.91 0.40 0.097 mg/l 100-41-4 Ethylbenzene 0.268 0.40 0.091 mg/l J 1330-20-7 0.490 mg/l J Xylene (total) 1.2 0.27

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---------|----------------------|--------|--------|--------|
|---------|----------------------|--------|--------|--------|

| 1868-53-7 | Dibromofluoromethane | 101% | 79-122% |
|------------|-----------------------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-D4 | 105% | 75-121% |
| 2037-26-5 | Toluene-D8 | 101% | 87-119% |
| 460-00-4 | 4-Bromofluorobenzene | 107% | 80-133% |

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



Page 1 of 1

Client Sample ID: DUP

Lab Sample ID: Matrix:

T26008-9

AQ - Ground Water

Date Sampled: Date Received:

03/11/09

Percent Solids: n/a

03/13/09

Project:

AECCOLI: DCP Midstream RR Ext

General Chemistry

Analyte

Result

RL

Units

DF

Analyzed

Method By

Chloride

114

10

mg/l

10

03/18/09 10:00 KD

SM 4500 CL C

RL = Reporting Limit

Page 1 of 1

Client Sample ID: TRIP BLANK

Lab Sample ID: Matrix:

T26008-10 AQ - Trip Blank Water Date Sampled: 03/11/09 Date Received:

Method:

SW846 8260B

Percent Solids: n/a

03/13/09

Project:

AECCOLI: DCP Midstream RR Ext

File ID Run #1 F014758.D DF 1

Analyzed Ву RR

03/16/09

Prep Date n/a

Prep Batch

Analytical Batch

VF3320 n/a

Run #2

Purge Volume

Run #1 Run #2 5.0 ml

Purgeable Aromatics

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|------------|-----------------------|--------|--------|----------|-------|---|
| 71-43-2 | Benzene | ND | 0.0020 | 0.00046 | mg/l | |
| 108-88-3 | Toluene | ND | 0.0020 | 0.00048 | mg/l | |
| 100-41-4 | Ethylbenzene | ND | 0.0020 | 0.00045 | mg/l | |
| 1330-20-7 | Xylene (total) | ND | 0.0060 | 0.0014 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | 2 Limits | | |
| 1868-53-7 | Dibromofluoromethane | 105% | : | 79-12 | 22% | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 110% | * | 75-12 | 21% | |
| 2037-26-5 | Toluene-D8 | 106% | | 87-11 | .9% | |
| 460-00-4 | 4-Bromofluorobenzene | 110% | £ | 80-13 | 3% | |

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

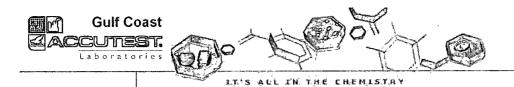
E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





| Misc. Forms | _ |
|--|---|
| Custody Documents and Other Forms | |
| Includes the following where applicable: • Chain of Custody | _ |

| • | |
|---|-----------|
| | ACCUTEST. |

CHAIN OF CUSTODY

| Project Name No. DCP Midstream RR EXT | | Laboratorios | | | | | | | | | | | FED | X Trackl | ng # | | | T | Bottle On | der Contro | | | |
|---|---|--------------------------------|--------------|--------------|---|-----------|----------|----------|---------|-------------------|----------|--------------------|----------|---------------|----------|----------|-------|--------|-----------|------------|---------|----------|---------------------------------------|
| Client Reporting Information | 101 | 65 Harwin, Suite 150 - Housto | n, TX 7 | 7036 - | 713-27 | 1-47 | 00 fa | x: 7 | 13- | 271 | -477 | 0 | Accu | est Quote | • | | | | Accutest | Job # | T | 260 | სგ |
| One-part Comment Com | | | | | | | | | | | | | | | | | | | | | 254,50 | 100 | gariania post |
| DCP Midstream DCP Midstream REXT | | Client / Reporting Information | 14. | | | oject in | formatic | m 🤚 | | 100 | Y . | the Total | \$ 10% | Mary tre | - 195¢ | - | | Reques | ted Ana | lyses | 72.7 | 7 30 | Matrix Codes |
| September Sept | | | | 1 ' | | | | | | | | | | | 1 | | | l | . 1 | | | | |
| Sema | | | | | dstream R | R EXT | <u> </u> | | | | | | _ | - 1 | 1 | 1 | | | | | | | |
| 10 10 10 10 10 10 10 10 | | | | | | | | | | | | | 1 | 1 | | | | | - 1 | | | | |
| 370 Soventeenth Street, Suite 2500 50 | | thers SWWeathers@dcpmldst | ream.com | | | | | | | | | | - | 1 | 1 | | | | - 1 | | | | |
| The content of the | | | | Address | | | | | | | | | | | | | | | | | | | |
| Deliver CO | | | 7in | City | | | | State | | | | Zip | \dashv | | | | | | | | | 1 1 | |
| Accutest Field to Protect of Collection Collectio | | · | | | | | | | | | | | | | | 1 | | | | - 1 | | 1 | SOL - Other Solid |
| Accutated Field to Proint of Collection Collectio | | | | | | Fax No. | | | | | ┥ | | | 1 | | | | | i | Ιİ | | | |
| Contract A Contract A Contract Contract A Contract | | | | | | | | | | | | | | | | | | | | | - 1 | | |
| Accutest | Gamplera's Name | | | Client Pu | chase Order | # | | | | | | | <u>@</u> | | | | | | | | - 1 | | |
| 1 | | M. Stewart A.Taylor | -1 | Collection | ın. | | T | Likhur | nher | of pre | RATVA | d bottle | — ઘ | 1 8 | | | | | | | | | |
| 1 | Accutest Sample # | Field ID / Point of Collection | | | | Matrix | | | | | | | NOW E | 당 | | | | | | | | | LAB USE ONLY |
| MW-3 SILO 635 GW X X X X X X X X X | | MW-1 | | | | | | | Ť | | | | | _ | I | | | | | | | | |
| MW-3 | 2. | MW-2 | 311 | 109 | 635 | GW | 3 | | Ι | | | П | × | х | | | | | | | | \Box | |
| MW-5 3 1 0 5 5 GW 3 | 3 | MW-3 | 3/11 | 09 | 635 | GW | 3 | Ш | | | | Ш | × | X | <u> </u> | | | | | | \bot | \sqcup | |
| MW-6 S 0 0 0 0 0 0 0 0 | 4 | MW-4 | 77/11 | 01 | | GW | | | 4 | \bot | 4 | Ш | - | \rightarrow | +- | ļ | | | | | | \sqcup | |
| MW-7 MW-8 | _5 | | 3/11 | 109 | | | - | \sqcup | 4 | \downarrow | - | \sqcup | - | + | + | <u> </u> | | | | \dashv | | 1 | |
| MW-8 Q Dup J O 1 | ۷ | MW-6 | 13111 | 07 | 610 | GW | 7 | | ┙ | | | \perp 1 | × | . X | | | | | | | \perp | | |
| General A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial A Sample Custody Must be documented by Sampler: Gommercial B Sample Custody Sampler: Gommercial B Sample Custody Sampler: Received By: Data Time: Received By: Sample Custody Sampler: Received By: Data Time: Received By: Custody Sampler: Gommercial B Sample B Documented B | 7 | MW-7 | 3\u/ | 09_ | | GW | | Ц | ┸ | \perp | 4 | | × | × | _ | ╙ | | | | _ | | \perp | |
| WMW MS/MSD Tumeround Time (Business days) Data Deliverable Information TRRP-13 | | | 31/1 | - | | ├ | _ | | \perp | $\bot \downarrow$ | - | $\perp \downarrow$ | | | _ | ļ | | | | _ | _ | \vdash | |
| Tunaround Timo (Business days) Oats Deliverable Information Comments / Remarks | 9 | Dup | | | 000 | GW | 2 | | _ | 11 | | \perp | × | X | ┸ | <u> </u> | | | | | | \perp | |
| TO Day STANDARD Approved By / Date: Commercial "A" TRRP-13 | 4 | | <u> </u> | 09 | 610 | | | Щ | ╧ | $\perp \perp$ | | | × | | ᆜ | <u></u> | | | | | | | · · · · · · · · · · · · · · · · · · · |
| A Day RUSH | | | <u> </u> | | | | | | | | • • | | • | | | | | LOIT | nments / | Kemarks | | _ننتنا | |
| A Day RUSH Reduced Tier 1 Other | | | y:/ Cate: | | _ | | | | | | | | | | | | | | | | | | |
| 3 Day RMERGENCY | | - | | | <u> </u> | | | _ | | | | | | | | | | | | | | | |
| 2 Day EMERGENCY Commercial "A" = Results Only Commercial "B" = Results & Standard QC | | AN EMERGENCY | | | | | | ш, | VIII- | | | | | | | | | | | | | | |
| Commercial "A" = Results Only Commercial "A" = Results & Standard QC | _ | · | | | الله الله الله الله الله الله الله الله | *** / *** | -g- | | | | | | | _ | | | | | | | | | 1 |
| Commercial "B" = Results & Standard QC Real time analytical data available via Lablink SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH YIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY Relinquished by: 1 2 2 2 Relinquished by: 3 4 4 Received By: Received By: Guis Time: Received By: Authorized By: Cystody Saul # Presarved where applicable On ica Cooler Temp. Could Time: Received By: Cystody Saul # Presarved where applicable On ica Cooler Temp. Could Time: | | - | | | | | - Peru | | | | | | | | | | | | | | | | |
| Real time analytical data available via Lablink SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY Relinquished by: Bangler: Received By: Relinquished By: Date Time: Received By: 2 Helinquished by: Date Time: Received By: Belinquished By: Date Time: Received By: 3 Relinquished by: Cystonly Saul # Prevarved where applicable On ice Cooler Temp. F.C. VEX 3: 13. 0.57 5 / VAL V. | | | | | 1 | | | | | 400 | | | | <u> </u> | | _ | | | | | | | |
| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COUNER DELIVERY 1 2 2 Relinquished by: 1 2 2 Relinquished by: 1 3 4 Received By: 1 4 Custorly Shall & Preserved where applicable On ics Cooler Temp. The County Shall & Preserved where applicable On ics Cooler Temp. The Custorly Shall & Preserved where applicable On ics Cooler Temp. | | | | | Comm | violet El | - Mesul | 0 311 | - rual | . 40 | | | | | | | | | | | | | |
| Received By: 1 | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | DY MUST BE D | OCUMENT | ED BELOW E | ACH TIN | E SAMP | LES CH | ANGE | E POSS | ESSIO | N, INCL | UDING C | OURIER | DELIV | ERÝ | | | | | | | |
| 3 4 4 Relinquished by: 5 FC VEX 3-1) UF 5 / VET COSION Shall 8 Presarved where applicable Disc Cooler Temp. On Ice Cooler Temp. Disc Cooler Temp. Disc 2. 4 | Relinquished by | | | | | | | | | | | | | | | | | | Received | ву: | | | |
| 3 4 4 Relinquished by: 5 FC VEX 3-1) UF 5 / VET COSION Shall 8 Presarved where applicable Disc Cooler Temp. On Ice Cooler Temp. Disc Cooler Temp. Disc 2. 4 | 1 | | | | 1 | | | | | 2 | | | | | | | | | 2 | | | | |
| Relinquished by: See The New York Sould Freedom St. Custody Saul & Preserved where applicable On ice Cooker Temp. See The New York Sould Preserved where applicable On ice Cooker Temp. See The New York Sould Preserved where applicable On ice Cooker Temp. | Relinquished by | r: | Date Time: | | Received By | | | | | Reitn | quished | By: | | - | Date | Famé: | | | Received | By: | | | |
| 5 FEDER 3.12.09 5/100 pc | | | | | 3 | | | | | 4 | | | | | | | | | 4 | | | | |
| | | FEDER | | 90 | 1 / | - / | (| | | Custo | idy Sazi | • | | Press | | | cable | | | 1 | | | |
| | | | | | 15 / 100 | 1 | | | | | | | | | | | | | | | | | ~ |

T26008: Chain of Custody

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|----------|---|
| ACCUTEST | 6 |

CHAIN OF CUSTODY

| Laboratories | | | | | | | | F | ED-EX T | racking i | • | | | Bottle Or | rder Control (| • | | |
|---|------------------|-----------------|--------------|----------|------------------------------|--------------|---------------|----------|---------------|-----------|------------|----------------|------|-----------|----------------|--------------|----------|---|
| 10165 Harwin, Suite 150 - Houston, TX | 77036 - 713 | 3-271-470 | 0 fax | : 713 | 3-271 | l-4 | 770 | Ā | ccutest | Quote # | | | | Accutes | Job # | | | |
| | | | | | | | | L | | | | | | | | | | 308 |
| | | | | | 5 9 5 5 | | 5 (8.0) | | energy) : | 0.056 | | | Base | ested An | gg GGC 11. | 3 90 Ta | 941 | Matrix Codes |
| Company Name | Project Name / N | Project Info | mauon | | | | . 11.50 | - 1 | C. PR. ST. S. | 1 | 77.7 | - | 7040 | a a loc A | alyses. | 1-1 | | DW - Drinking Water |
| | 1 ' | | | | | | | | | 1 | 1 | 1 | ı | 1 1 | | 1 1 | | GW - Ground Water |
| DCP Midstream Project Contact E-Mail | DCP Midstre | am KK EAT | | Invo | ice Attn. | | | \dashv | | | | | | 1 1 | 1 | 1 1 | i | WW - Wastewater |
| • | 1 | | | ,,,,, | ~~~ | | | i | | | | | | 1 1 | | | 1 | 50 - Sol |
| Stephen Weathers SWWeathers@dcpmidstream.com | Same | | | | | | | \dashv | ļ | | | | | 1 1 | | 1 1 | - 1 | SL - Studge |
| | ~~~ | | | | | | | 1 | 1 | | - } | | ı | 1 1 | 1 | 1 1 | - 1 | OI - OII |
| 370 Seventeenth Street, Suite 2500 City State Zip | City | | Si | tote | | | ZI | | - 1 | | | - 1 | - 1 | | | 1 1 | | LIQ:-Liquid |
| Denver CO 8020 | | | _ | | | | | | - 1 | | | | | | | | ĺ | SOL - Other Solid |
| Phone No. Fax No. | Phone No. | | | | | _ | Fax No. | | | | | - 1 | | | | | | |
| | | | | | | | | - 1 | | | | | - L | | | | | |
| 303-605-1718 Semplers's Name 4 | Client Purchase | Order # | | | | | | \dashv | 00 | | | | - 1 | | | 1 1 | | |
| M. Stewart A. Taylor | | | | | | | | | BTEX 8260B | Chlorides | | | | | | | | |
| Accutest Fleid ID / Point of Collection | Collection | | | | | | rved bot | _ | 꿃 | 2 | - 1 | | 1 | | | | } | |
| Sample #I | Date Ti | me Matrix | # of g | 민호 | 1003 1003 1003 1003 | BYCOR | WEO+ | ğ | 19 | ᇙ | - [| | | | | | 1 | LAB USE ONLY |
| | 1 74 1 | | Lab | | T | Ť | T | T^{T} | х | | | | | | | | | |
| 10 110 310 | 107 1L | WTB dx | 190 | | + | +- | | +-+ | | | | + | | + | | | | |
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| | | | | | 7 | П | | | | | | | | | | | | |
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| | | | | | | L. | $\perp \perp$ | 1 | | | | | | | | | | |
| | | | | | | İ | 11 | | | | | | | 1 | | | | |
| Turnaround Time (Business days) | * F | Data D | eliverable i | Informat | ion : | | 177 | 352.10 | <u> </u> | | | | c | omments | / Remarks | | 11.7. | B 7 3 4 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 |
| 10 Day STANDARD Approved By:/ Date: | | Commercial "A | . [| TR | RP-13 | | | | | | | | | | | | | |
| 7 Day | (X) | Commercial "B | . 0 | E0 | D Forma | ·- | | | | | | | | _ | | | | |
| 4 Day RUSH | . 15 | Reduced Tier 1 | Ē. | <u></u> | 101 | | | | | | | | | | | | | |
| 3 Day EMERGENCY | _ 15 | Full Data Packs | .ge | _ | | | | | | | | | | | | | | |
| 2 Day EMERGENCY | _ 1 | | | | | | | | | | | | | | | | | |
| 1 Day EMERGENCY | _ , | Commercial "A" | = Results | Only | | | | | | | | | | | | | | |
| Other | _ | Commercial "B" | = Results | & Stani | dard QC | | | | | <u> </u> | | | | | | | | |
| Real time analytical data available via Lablink | | | | | | | | | | | | | | | | | | |
| SAMPLE CUSTODY MUST B | | | E SAMPLE | SCHA | | | | CLUDIN | G COU | | | | | | | | | |
| Refinquished by Sampler: Date Tin | e: Rece | Hved By: | | | Rel | Inqui | shed By: | | | | Date Tirr | ю: | | Receive | d By: | | | |
| 1 | 1 | | | | 2 | _ | | | | | | | | 2 | | | | |
| Relinquished by: Date Tin | e: Rape | lved By: | | | Rei | Inqui | shed By: | | | | Date Tin | 10 1 | | Receive | d 0y: | | | |
| 3 | 3 | | | | 4 | | | | | | | | | 4 | | | | |
| Relinquished by: FEDEX | | lived By: | 0 | | Cui | stody | Seal # | | | Preservi | ed where | applica | ble | | | in Ice DR | Cooler | |
| 5 3.1 | <u>δ</u> η 5 | 1Vant | <u> </u> | | | | | | | | | | | | | Z | _2 | . 4 |
| | 7.45 | 1 | | | | | | | | | | | | | | | | • |

T26008: Chain of Custody

Page 2 of 4

3.1 ළ



SAMPLE INSPECTION FORM

| Accutest Job Number: 72600% | _Client:DCP | Midstream | Date/Time I | Received: 3 | 13.09 0900 | |
|--|--|--|--------------------|---|--------------------------|-------------|
| of Coolers Received: 1 The | rmometer #: | 1 <u>P(</u> | emperature Adj | ustment Facto | r: <u>-</u> | |
| Cooler Temps: #1: 2 4 #2: | _ #3: # | 4: #5: | #6: | #7: | #8: | |
| Method of Delivery: FEDEX UPS | | | Delivery | 7- | | |
| Airbill Numbers: | 8670479- | 77188 | | | -,, | |
| COOLER INFORMATION Custody seal missing or not intact Temperature criteria not met Wet ice received in cooler CHAIN OF CUSTODY Chain of Custody not received Sample D/T unclear or missing Analyses unclear or missing COC not properly executed Summary of Discrepancies: | Sample contain VOC vials have Sample labels in on COC doe D/T on COC do Sample/Bottle Sample listed of Bottles missing Insufficient vol Sample receive | missing or filegible s not match label(s) ses not match label(s) s revd but no analysis on COC on COC, but not received g for requested analysis ume for analysis d improperly preserved | Number Number | ip Blank on COC ip Blank received ip Blank not intac cerived Water Trip cectived Soil TB of Encores? of 5035 kits? of lab-filtered mei | but not on COC It Blank | |
| TECHNICIAN SIGNATURE/DATE: | ERIFIED BY: | 13.09 (JHC 2.13/1) RRECTIVE ACTI | ONS + Date: Via: | • • • Phone | • • • • • Email | • |
| | | | | | | |
| i;\mwalker\form\sarplemanagemen\ | | | | | | |

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T26008: Chain of Custody

Page 3 of 4



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SAMPLE RECEIPT LOG

| OB #: | | T24008 | | DATE/TIME | RECEIVED: | 3.1 | 3.07 | ০ বণ্য | | |
|--------|-----------|---------------|-------------|-----------|-----------|---------|----------|---------------------------------|-------------|-------------|
| LIENT: | · | DCP Midstreem | | | INITIALS: | | 17 | | | |
| OOLER# | SAMPLE ID | FIELD ID | DATE | MATRIX | VOL | BOTTLE# | LOCATION | PRESERV | | PH . |
| 1 | t | mw-1 | 3.11.07 705 | Can | soone | 1 | 1II | 6) 2 3 4 5 6 7 B | | >1 |
| | 7 | · · · | 1 1 | | You | 2-4 | V12 | 1 & 3 4 5 6 7 8 | <2 | . >1 |
| | 2 | mu-2 | 455 | <u></u> | Found | . 1 | Zil | 1) 2 3 4 5 6 7 8 | <2 | > |
| | ↓ | | 1 | | Youl | 2-4 | vrL | 1 (2) 3 4 5 6 7 8 | <2 | > |
| | 3 | Mw-2, | ¢35 | | Sounc | | 211 | 5 6 7 8 | <2 | > |
| | 3, | J . | 1 | | 4an (| 2.4 | VK | 1 (2) 3. 4 5 6 7 8 | <2 | |
| | 4 | mw-4 | 545 | | Sound | 1 | 211 | D 2 3 4 5 6 7 8 | <2 | > |
| | i | | 1 1 1 1 1 1 | | ' You' | 2-4 | VIL | 1 (3 3 4 | <2 | > |
| | . 5 | MW-5 | 553 | | Soul | (| 211 | 1 2 3 4 5 6 7 8 1 (2) 3 4 | <2 | > |
| | ĺ | 1/ | 1 | | 40mC | 2-4 | v.L | 5 6 7 .8 | <2 | > |
| | v | nu -4 | 410 | | Some | 1-2 | 111 | | <2 | > |
| | L | \ \lambda | 1, 7 | | tone | 3.8 | V/L | 5 6 7 8 1 (2) 3 4 5 6 7 8 | <2 | , |
| | 7 | miw-7 | 610 | | sount | ı | 111 | 5 6 7 8 | <2 | > |
| | L | Ţ. | | | York | 2-4 | . VK | 5 6 7 8 1 (2) 3 4 5 8 7 8 | <2 | > |
| | 8 | nu y | 7.05 | | Sport | 1 | 111 | O 2 3 4 5 6 7 8 | <2 | .> |
| | 4 | ··. ↓ | 1, | | Your | · 2-4 | VIZ | 1 Ø 3 4 5 6 7 8 | <2 | > |
| 7 | 9 | DUP | 3.11.09 | | Sont | (| 111 | () 2 3 4 5 6 7 8 | <2 | , |
| | \ \ | <u> </u> | | | York | 2-4 | VIZ | 1 (3 3 4 5 B 7 8 | <2 | -> |
| 1 | 10 | Trip Blev IL | | DT | 4on L | 1-2 | V | 1 (2) 3 4 | <2 | , |
| | | | | | | | | 5 6 7 6 1 2 3 4 5 6 7 8 | <2 | > |
| | | | | | | | | 5 6 7 8 1 2 3 4 5 6 7 8 | <2 | ٠, |
| | | , | | | | | | 5 6 7 8 1 2 3 4 5 6 7 8 | <2 | > |

T26008: Chain of Custody Page 4 of 4





GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Account:

DUKE DCP Midstream, LLC

AECCOLI: DCP Midstream RR Ext Project:

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| VF3320-MB | F014757.D | 1 | 03/16/09 | RR | n/a | n/a | VF3320 |
| | | | | | | | |

Page 1 of 1

The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-1, T26008-2, T26008-6, T26008-10

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|--|---|------------------------------|--------------------------------------|-----------------------------|------------------------------|---|
| 71-43-2 100-41-4 108-88-3 1330-20-7 | Benzene Ethylbenzene Toluene Xylene (total) | ND ND ND ND | 2.0 2.0 2.0 6.0 | 0.46 0.45 0.48 1.4 | ug/l ug/l ug/l ug/l | |
| CAS No. | Surrogate Recoveries | | Limits | } | | |
| 1868-53-7 17060-07-0 2037-26-5 460-00-4 | Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 105% 106% 107% 111% | 79-122 75-121 87-119 80-133 | .%)% | | |



Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|----|----------|----|-----------|------------|------------------|
| VZ2436-MB | Z0048752.D | 1 | 03/16/09 | RR | n/a | n/a | VZ2436 |
| } | | | | | | | |



Page 1 of 1

The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-5, T26008-7, T26008-8

| CAS No. | Compound | Result | RL | MDL | Units Q |
|--|---|--------------------------|--------------------------------------|-----------------------------|------------------------------|
| 71-43-2 100-41-4 108-88-3 1330-20-7 | Benzene Ethylbenzene Toluene Xylene (total) | ND ND ND ND | 2.0 2.0 2.0 6.0 | 0.46 0.45 0.48 1.4 | ug/l ug/l ug/l ug/l |
| CAS No. | Surrogate Recoveries | | Limits | | |
| 1868-53-7 17060-07-0 2037-26-5 460-00-4 | Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 94% 87% 96% 84% | 79-122 75-121 87-119 80-133 | % % | |



Page 1 of 1

Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|-----|----------|----|-----------|------------|------------------|
| VY2085-MB | Y0031071.I | D 1 | 03/16/09 | RR | n/a | n/a | VY2085 |
| | | | | | | | |

The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-1, T26008-3, T26008-4

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|--|--|----------------------|--------------------------|-----------------------------|------------------------------|---|
| 71-43-2 100-41-4 108-88-3 1330-20-7 | Benzene Ethylbenzene Toluene Xylene (total) | ND ND ND ND | 2.0 2.0 2.0 6.0 | 0.46 0.45 0.48 1.4 | ug/l ug/l ug/l ug/l | |
| CAS No. | Surrogate Recoveries | | Limits | | | |
| 1868-53-7 | Dibromofluoromethane | 97% | 79-122 | | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | , 90 % | 75-121 | % | | |
| 2037-26-5 | Toluene-D8 | 102% | 87-119 | % | | |
| 460-00-4 | 4-Bromofluorobenzene | 97% | 80-133 | % | | |



Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| VF3323-MB | F014832.D | 1 | 03/17/09 | RR | n/a | n/a | VF3323 |
| | | | | | | | |



Page 1 of 1

The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-2, T26008-9

| CAS No. | Compound | Result | RL | MDL | Units Q |
|--|---|------------------------------|----------------------------------|-----------------------------|------------------------------|
| 71-43-2 100-41-4 108-88-3 1330-20-7 | Benzene Ethylbenzene Toluene Xylene (total) | ND ND ND ND | 2.0 2.0 2.0 6.0 | 0.46 0.45 0.48 1.4 | ug/l ug/l ug/l ug/l |
| CAS No. | Surrogate Recoveries | | Limit | s | |
| 1868-53-7 17060-07-0 2037-26-5 460-00-4 | Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 105% 104% 104% 113% | 79-12 75-12 87-11 80-13 | 1% 9% | |



Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed 03/16/09 | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|-------------------|----|-----------|------------|------------------|
| VF3320-BS | F014755.D | 1 | | RR | n/a | n/a | VF3320 |
| | | | | | | | |

The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-1, T26008-2, T26008-6, T26008-10

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | Limits |
|--|---|-----------------------------|--------------|--------------------------|------------------|
| 71-43-2 100-41-4 | Benzene Ethylbenzene | 25 25 | 22.9 22.2 | 92 89 | 76-118 75-112 |
| 108-88-3 1330-20-7 | Toluene Xylene (total) | 25 75 | 22.1 67.1 | 88 89 | 77-114 75-111 |
| CAS No. | Surrogate Recoveries | BSP | Lim | its | |
| 1868-53-7 17060-07-0 2037-26-5 460-00-4 | Dibromofluoromethane 1,2-Dichloroethane-D4 Toluene-D8 4-Bromofluorobenzene | 103% 105% 102% 99% | 75-1 87-1 | 22% 21% 19% 33% | |



Blank Spike Summary Job Number: T26008

Page 1 of 1

Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed 03/16/09 | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|-----|-------------------|----|-----------|------------|------------------|
| VZ2436-BS | Z0048749. | D 1 | | RR | n/a | n/a | VZ2436 |
| | | | | | | | |



The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-5, T26008-7, T26008-8

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | Limits |
|---------------------|-------------------------|---------------|--------------|---------------|------------------|
| 71-43-2 100-41-4 | Benzene Ethylbenzene | 25 25 | 25.4 24.4 | 102 98 | 76-118 75-112 |
| 108-88-3 | Toluene | 25 | 24.6 | 98 | 77-114 |
| 1330-20-7 | Xylene (total) | 75 | 68.4 | 91 | 75-111 |
| CAS No. | Surrogate Recoveries | BSP | Lim | iits | |
| 1868-53-7 | Dibromofluoromethane | 116% | 79-1 | 122% | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 112% | 75 -1 | l 21 % | |
| 2037-26-5 | Toluene-D8 | 122%* | 87 -1 | l 19 % | |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 80-1 | l 33 % | |



Account:

DUKE DCP Midstream, LLC

The QC reported here applies to the following samples:

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|------------|----|----------|----|-----------|------------|------------------|
| VY2085-BS | Y0031069.D | 1 | 03/16/09 | RR | n/a | n/a | VY2085 |
| | | | | | | | |

Method: SW846 8260B

T26008-1, T26008-3, T26008-4

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | Limits |
|------------|-----------------------|---------------|-------------|----------|--------|
| 71-43-2 | Benzene | 25 | 23.2 | 93 | 76-118 |
| 100-41-4 | Ethylbenzene | 25 | 22.6 | 90 | 75-112 |
| 108-88-3 | Toluene | 25 | 23.4 | 94 | 77-114 |
| 1330-20-7 | Xylene (total) | 75 | 66.8 | 89 | 75-111 |
| CAS No. | Surrogate Recoveries | BSP | Lim | its | |
| 1868-53-7 | Dibromofluoromethane | 97% | 79-1 | 22% | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 93% | 75-1 | 21% | |
| 2037-26-5 | Toluene-D8 | 105% | 87-1 | 19% | |
| 460-00-4 | 4-Bromofluorobenzene | 96% | 80-1 | 33% | |



Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|-----------|----|----------|----|-----------|------------|------------------|
| VF3323-BS | F014830.D | 1 | 03/17/09 | RR | n/a | n/a | VF3323 |
| | | | | | | | |

The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-2, T26008-9

| CAS No. | Compound | Spike ug/l | BSP ug/l | BSP % | Limits |
|--------------------------------------|---------------------------|--------------------|----------------|----------------------|------------------|
| 71-43-2 100-41-4 | Benzene Ethylbenzene | 25 25 | 23.2 22.4 | 93 90 | 76-118 75-112 |
| 108-88-3 1330-20-7 | Toluene Xylene (total) | 25 75 | 22.1 67.8 | 88 90 | 77-114 75-111 |
| CAS No. | Surrogate Recoveries | BSP | Lim | iits | |
| 1868-53-7 17060-07-0 2037-26-5 | Dibromofluoromethane | 99% 101% 99% | 75-1 | 122% 121% 119% | |
| 460-00-4 | 4-Bromofluorobenzene | 98% | + 80 -1 | 133% | |



Matrix Spike/Matrix Spike Duplicate Summary Job Number: T26008

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Account:

DUKE DCP Midstream, LLC

AECCOLI: DCP Midstream RR Ext Project:

| Sample File ID DF T26008-6MS F014761.D 1 T26008-6MSD F014762.D 1 T26008-6 F014760.D 1 | Analyzed By | Prep Date | Prep Batch | Analytical Batch |
|---|-------------|-----------|------------|------------------|
| | 03/16/09 RR | n/a | n/a | VF3320 |
| | 03/16/09 RR | n/a | n/a | VF3320 |
| | 03/16/09 RR | n/a | n/a | VF3320 |

The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-1, T26008-2, T26008-6, T26008-10

| CAS No. | Compound | T26008-6 ug/l Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|------------|-----------------------|--------------------|---------------|------------|---------|-------------|----------|-----|-------------------|
| 71-43-2 | Benzene | ND | 25 | 24.2 | 97 | 23.8 | 95 | 2 | 76-118/16 |
| 100-41-4 | Ethylbenzene | ND | 25 | 23.4 | 94 | 22.9 | 92 | 2 | 75-112/12 |
| 108-88-3 | Toluene | ND | 25 | 23.1 | 92 | 22.6 | 90 | 2 | 77-114/12 |
| 1330-20-7 | Xylene (total) | ND | 75 | 70.3 | 94 | 68.9 | 92 | 2 | 75-111/12 |
| CAS No. | Surrogate Recoveries | MS | MSD | T26 | 6008-6 | Limits | | | |
| 1868-53-7 | Dibromofluoromethane | 107% | 105% | 104 | % | 79-1229 | 6 | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 115% | 109% | 109 | % | 75-1219 | 6 | | |
| 2037-26-5 | Toluene-D8 | 105% | 104% | 103 | % | 87-1199 | 6 | | |
| 460-00-4 | 4-Bromofluorobenzene | 103% | 103% | 108 | % | 80-1339 | 6 | | |



Matrix Spike/Matrix Spike Duplicate Summary Job Number: T26008

Page 1 of 1

DUKE DCP Midstream, LLC Account:

AECCOLI: DCP Midstream RR Ext Project:

The QC reported here applies to the following samples:

| T26016-49MS | T26016-49MSD Y0031 | 076.D 1 03/16/0 077.D 1 03/16/0 | 5/09 RR n/a 5/09 RR n/a | n/a n/a | VY2085 VY2085 |
|-------------|--------------------|------------------------------------|----------------------------|------------|------------------|
|-------------|--------------------|------------------------------------|----------------------------|------------|------------------|

Method: SW846 8260B

T26008-1, T26008-3, T26008-4

| CAS No. | Compound | T26016-49 ug/l Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|------------|-----------------------|---------------------|---------------|------------|---------|-------------|----------|------|-------------------|
| 71-43-2 | Benzene | ND | 25 | 23.7 | 95 ° . | 23.4 | 94 | 1 | 76-118/16 |
| 100-41-4 | Ethylbenzene | ND | 25 | 23.0 | 92 | 22.9 | 92 | 0 | 75-112/12 |
| 108-88-3 | Toluene | ND | 25 | 23.7 | 95 | 23.3 | 93 | 2 | 77-114/12 |
| 1330-20-7 | Xylene (total) | ND | 7 5 | 66.9 | 89 | 66.5 | 89 | 1 | 75-111/12 |
| CAS No. | Surrogate Recoveries | MS | MSD | T2 | 6016-49 | Limits | | . 40 | |
| 1868-53-7 | Dibromofluoromethane | 98% | 98% | 989 | % | 79-122 | % | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 94% | 94% | 899 | % | 75-121 | % | | |
| 2037-26-5 | Toluene-D8 | 107% | 105% | 102 | 2% | 87-119 | % | | |
| 460-00-4 | 4-Bromofluorobenzene | 94% | 94% | 979 | % : | 80-133 | % | | |



Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: T26008

Account:

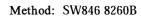
DUKE DCP Midstream, LLC

The QC reported here applies to the following samples:

Project:

AECCOLI: DCP Midstream RR Ext

| Sample File ID DF Analyzed By Prep Date T26011-3MS Z0048763.D 1 03/16/09 RR n/a T26011-3MSD Z0048764.D 1 03/16/09 RR n/a T26011-3 Z0048762.D 1 03/16/09 RR n/a | Prep Batch n/a n/a n/a | Analytical Batch VZ2436 VZ2436 VZ2436 |
|--|---------------------------------|--|
|--|---------------------------------|--|



T26008-5, T26008-7, T26008-8

| CAS No. | Compound | T26011-3 ug/l Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------------------|---------------------------|--------------------|---------------|--------------|-----------|--------------|-----------|--------|------------------------|
| 71-43-2 100-41-4 | Benzene Ethylbenzene | ND ND | 25 25 | 25.7 24.4 | 103 98 | 25.5 22.9 | 102 92 | 1 | 76-118/16 75-112/12 |
| 108-88-3 1330-20-7 | Toluene Xylene (total) | ND ND | 25 75 | 24.0 66.8 | 96 89 | 21.9 64.3 | 88 86 | 9 | 77-114/12 75-111/12 |
| | 11,10110 (10111) | 1,2 | | | * 7 7 % . | | . 7.7 | - me - | |
| CAS No. | Surrogate Recoveries | MS | MSD | T20 | 6011-3 | Limits | | | |
| 1868-53-7 | Dibromofluoromethane | 92% | 92% | 909 | % | 79-1229 | % | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 94% | 92% | 879 | % | 75-1219 | % | | |
| 2037-26-5 | Toluene-D8 | 95% | 91% | 939 | | 87-1199 | % | | |
| 460-00-4 | 4-Bromofluorobenzene | 69%* a | 70%* a | 749 | %* | 80-1339 | % | | |

⁽a) Outside control limits biased low. There were no target compounds assciated with this surrogate.



Matrix Spike/Matrix Spike Duplicate Summary Job Number: T26008

Page 1 of 1

Account:

DUKE DCP Midstream, LLC

Project:

AECCOLI: DCP Midstream RR Ext

| Sample | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|-----------|----|----------|----|-----------|------------|------------------|
| T26019-3MS | F014838.D | 1 | 03/17/09 | RR | n/a | n/a | VF3323 |
| T26019-3MSD | F014839.D | 1 | 03/17/09 | RR | n/a | n/a | VF3323 |
| T26019-3 | F014837.D | 1 | 03/17/09 | RR | n/a | n/a | VF3323 |



The QC reported here applies to the following samples:

Method: SW846 8260B

T26008-2, T26008-9

| CAS No. | Compound | T26019-3 ug/l Q | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|----------------------|-------------------------|--------------------|---------------|--------------|----------|--------------|----------|-----|------------------------|
| 71-43-2 | Benzene | ND | 25 | 24.2 | | 23.6 | 94 | 3 | 76-118/16 |
| 100-41-4 108-88-3 | Ethylbenzene Toluene | ND ND | 25 25 | 23.0 22.6 | 92 90 | 22.8 22.6 | 91 90 | 0 | 75-112/12 77-114/12 |
| 1330-20-7 | Xylene (total) | ND | 75 | 70.2 | : | 69.3 | 92 | 1 | 75-111/12 |
| | | | | | | | | | |
| CAS No. | Surrogate Recoveries | MS | MSD | T2 | 6019-3 | Limits | | | |
| 1868-53-7 | Dibromofluoromethane | 101% | 100% | 102 | 2% | 79-1229 | 6 | | |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 108% | 103% | 10 | 5% | 75-1219 | 6 | | |
| 2037-26-5 | Toluene-D8 | 98% | 99% | 102 | 2% | 87-1199 | 6 | | |
| 460-00-4 | 4-Bromofluorobenzene | 100% | 99% | 109 | 9% | 80-1339 | 6 | | |





General Chemistry



QC Data Summaries

Includes the following where applicable:

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



METHOD BLANK AND SPIKE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: T26008
Account: DUKE - DCP Midstream, LLC
Project: AECCOLI: DCP Midstream RR Ext

| Analyte | Batch ID | RL | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|----------|----------------|-----|--------------|-------|-----------------|---------------|---------------|--------------|
| Chloride | GP6173/GN16280 | 1.0 | 0.0 | mg/l | 1000 | 1010 | 100.6 | 92-107% |

6

Associated Samples:
Batch GP6173: T26008-1, T26008-2, T26008-3, T26008-4, T26008-5, T26008-6, T26008-7, T26008-8, T26008-9
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: T26008 Account: DUKE - DCP Midstream, LLC Project: AECCOLI: DCP Midstream RR Ext

| Analyte | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|----------|----------------|--------------|-------|--------------------|---------------|-----|--------------|
| Chloride | GP6173/GN16280 | T26008-6 | mg/l | 298 | 293 | 1.7 | |

Associated Samples:
Batch GP6173: T26008-1, T26008-2, T26008-3, T26008-4, T26008-5, T26008-6, T26008-7, T26008-8, T26008-9
(*) Outside of QC limits



MATRIX SPIKE RESULTS SUMMARY GENERAL CHEMISTRY

Login Number: T26008 Account: DUKE - DCP Midstream, LLC Project: AECCOLI: DCP Midstream RR Ext

| Analyte | Batch ID | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec | QC Limits |
|----------|----------------|--------------|-------|--------------------|-----------------|--------------|-------|--------------|
| Chloride | GP6173/GN16280 | T26008-6 | mg/l | 298 | 100 | 412 | 114.3 | 81-119% |

Associated Samples:
Batch GP6173: T26008-1, T26008-2, T26008-3, T26008-4, T26008-5, T26008-6, T26008-7, T26008-8, T26008-9
(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

