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November 10, 2006

EnCana Oil & Gas (USA) Inc.  
370 17th St., Suite 1700  
Denver, CO 80202  
Attn: Mr. Chris Williams

Dear Mr. Williams:

Cordilleran Compliance Services, Inc. (Cordilleran) has been retained by EnCana Oil & Gas (USA) Inc. to perform technical environmental services including; quarterly groundwater and surface water assessment and remediation of groundwater that has been impacted by dissolved phase volatile hydrocarbons comprised primarily of methane and benzene in the area of the West Divide Creek Gas Seep (Figure 1).

### **Executive Summary**

The objective of the continued operation of the remediation system and quarterly water sampling is to mitigate and control migration of the dissolved phase hydrocarbons in the down gradient direction and into nearby Divide Creek; and surrounding area groundwater wells and to treat the source of the hydrocarbons.

This report summarizes sampling results of surface water and groundwater samples collected in September 2006 at the seep site in a continued effort to monitor the possible migration of the benzene plume prior to the COGCC staff rendering a decision on the reduction of the sampling frequency. Samples collected during this period were analyzed by Evergreen Analytical Laboratory (EAL) of Wheat Ridge, CO for BTEX/MTBE using EPA method 8021, dissolved methane using method RSK 175M, chloride (Cl) using method 300E, sodium (Na) using method SW6020, pH using EPA method 150.1 and total dissolved solids (TDS) using method SM240C and specific conductivity using method SM251B. Isotopic methane was determined by Isotech Laboratories, Inc of Champaign, IL. Stable isotopes of carbon and hydrogen in methane and stable isotopes of carbon in ethane and propane and gas composition was determined where dissolved gasses were sufficient.

## *Groundwater Status*

Cordilleran collected groundwater samples from twenty-three monitoring wells during September 2006. Twenty of these monitoring wells are located on the Langedger property, one well is located on the Thompson property, and two wells are located on the Eicher property. Groundwater samples and field parameters (temperature, specific conductance, dissolved oxygen, pH, total dissolved solids and turbidity), were collected from September 6, 2006 through September 7, 2006 from monitoring wells (MW-1, 2, 4, 6-9, 11-18, 20-27) (Figure 1). Prior to sample collection, static water levels were measured in monitoring wells to within 0.01 feet (ft) from the top of the PVC casing using an electronic water level indicator. Groundwater elevations are graphically illustrated in Figure 2. A total of three casing volumes were removed prior to sampling each well using dedicated disposable bailers with bottom loading valve assemblies. Field parameters were obtained at the completion of purging activities (Table 1). Groundwater samples were collected following field parameter measurements. Groundwater samples were placed in the appropriate sample containers provided by EAL, labeled, stored on ice, and delivered under chain-of-custody procedures to EAL. Groundwater was analyzed for BTEX/MTBE, dissolved methane, Cl, Na, TDS and SpC.

### *Benzene*

Monitoring wells 2, 4, 9, 12, 16 and 17 have benzene concentrations of  $240 \mu\text{g}/\text{l}$ ,  $200 \mu\text{g}/\text{l}$ ,  $8.9 \mu\text{g}/\text{l}$ ,  $5.3 \mu\text{g}/\text{l}$ ,  $3.7 \mu\text{g}/\text{l}$  and  $24 \mu\text{g}/\text{l}$  respectively. Monitoring wells 2, 4, 9 and 17 have benzene concentrations exceeding the Colorado Oil & Gas Conservation (COGCC) ground water standard of  $5 \mu\text{g}/\text{l}$ . The laboratory results for benzene concentrations for each monitoring well are summarized in Table 2. Benzene concentrations are graphically illustrated in Figure 3. Benzene was not detected in monitoring wells 1, 6, 7, 8, 11, 13, 14, 15, 18, 20, 21, 22, 23, 24, 25, 26 and 27. The size of the area underlain by groundwater that is impacted by benzene at concentrations above  $1.0 \mu\text{g}/\text{l}$  is approximately  $89,428 \text{ ft}^2$ .

### *Toluene*

Toluene was not detected in Divide Creek monitoring wells during the September quarter of 2006 (Table 3).

### Ethylbenzene

Ethylbenzene was present in monitoring well 4 at a concentration of  $7.3 \mu\text{g}/\text{l}$ . This concentration is below the COGCC groundwater standard of  $680 \mu\text{g}/\text{l}$ . Ethylbenzene was not detected in any other monitoring wells (Table 4).

### Total Xylenes

Total Xylenes were present in monitoring wells 2, 4 and 9 at concentrations of  $28 \mu\text{g}/\text{l}$ ,  $58 \mu\text{g}/\text{l}$  and  $4.2 \mu\text{g}/\text{l}$  respectively. These concentrations are far below the COGCC basic groundwater standard of  $10,000 \mu\text{g}/\text{l}$ . Total xylenes were not detected in the remaining monitoring wells. The laboratory results for total xylenes concentrations are summarized in Table 5.

### MTBE

Laboratory results indicate that MTBE (methyl tertiary-butyl ether) was not present above the detectable limit in the groundwater samples collected in the monitoring area during the September quarter of 2006 (Table 6).

### Methane

Total dissolved methane was detected in all monitoring wells except monitoring well 24 and monitoring well 27. Total dissolved methane is summarized in Table 7. In general the highest concentrations of dissolved methane in the groundwater are located near the seep.

The laboratory results for methane were reported as total dissolved. This included both biogenic (methane gas generated by biologic reduction of organic matter) and thermogenic methane (methane gas generated by thermal reduction of deeply buried organic matter). Then, using the reported total dissolved methane concentration, the concentration of thermogenic methane was calculated. Hydrocarbon gas from 'biogenic only' sources contains a high proportion of methane (>99%) and has characteristic carbon and hydrogen isotopes ratios. Typically, thermogenic methane is indicated by isotope ratios that are less negative than ratios for biogenic methane. To estimate the fraction of total methane in a water sample that can be attributed to thermogenic sources, an algebraic mixing calculation was used after the data were evaluated on the basis of the laboratory-determined values of methane carbon-13 isotope ratio ( $\delta^{13}\text{C}_1$ ), methane hydrogen isotope ratio ( $\delta\text{DC}_1$ ) and ratio of methane to ethane and propane ( $\text{C}_1 / \text{C}_2 + \text{C}_3$ ).

Initially 'biogenic-only' sources are easily identified by comparing the laboratory data to literature values of the parameters discussed above. The methane fraction of a 'reservoir-typical' thermogenic source (79%) is used as a baseline in the mixing calculations. The biogenic source is assumed to be 100% methane and then an algebraic mixing calculation is used to determine what percentage of the total methane comes for biogenic versus thermogenic sources.

Isotopic samples were collected from monitoring wells 2, 4, 9, 12, 13, 17, 18 during the September quarter sampling. These wells have shown high concentration of dissolved methane in the past. Remaining wells have showed minor concentration of dissolved methane therefore isotopic samples were collected in April 2006. A compilation of isotopic data was analyzed from September 2004 to September 2006 of all monitoring stations with significant amount of methane to understand the thermogenic methane in the subsurface. Graphical results (Figures 4-12) indicate that thermogenic methane has fluctuated but remained the same in the vicinity of the seep. Thermogenic methane concentrations have dropped dramatically down gradient of the seep within the remediation system.

### *Surface-Water Quality*

Cordilleran collected eight surface water samples (DCS-1-8) and field parameters (temperature, specific conductance, dissolved oxygen, pH, total dissolved solids, and turbidity) from the West Divide Creek stream located on the Langegger property (Table 8). Surface water samples were placed in the appropriate sample containers provided by EAL, labeled, stored on ice, and delivered under strict chain-of-custody procedures to EAL, Wheat Ridge, Colorado. Surface water was analyzed for BTEX/MTBE, dissolved methane, Cl, Na, TDS and SpC.

Laboratory results indicate that BTEX/MTBE compounds were not detected in any of the Divide Creek surface water samples (Tables 9-14) Dissolved methane was detected in all eight samples; all with concentrations measuring less than 0.02 mg/l (Table 15). The only area where thermogenic methane is present is in the vicinity of the seep. DCS-3 had a thermogenic methane concentration of 0.009 mg/l. A compilation of isotopic data was analyzed from September 2004 to September 2006 for DCS-3 (Figure 13). Graphical results indicate that thermogenic methane has dropped considerably within the seep at DCS-3.

### *Site Chemistry*

Monitoring wells and surface water results for inorganics, chloride (Cl), sodium (Na), total dissolved solids (TDS), and ph, specific conductivity (SpC) are indicated in tables 18, 19. The water continues to be high in TDS and sodium which can be attributed to the high amount of suspended solids within the Wasatch Formation. Chloride specific conductivity and pH are within normal parameters. To fully understand the interconnection between the groundwater and West Divide Creek an extended analytes (alkalinity, cations and anions) analysis is required.

### QA/QC

Laboratory and field quality assurance and quality control (QA/QC) consisted of analyzing duplicate samples, matrix spikes and duplicate analyses. For quality assurance, duplicate water samples were acquired at an approximate rate of 1 for every 10 samples. In addition replicate/split samples were also obtained at an approximate rate of 1 for every 10 samples. Replicate/split samples were sent to ESN Rocky Mountain, Golden, Colorado. During the September quarter of 2006 three duplicate and three replicate/split samples were obtained. Analytical results indicate insignificant differences between actual and replicate samples. Laboratory analytical reports and chain-of-custody forms are included in Appendix A.

### Site Hydrology

In the vicinity of the seep area groundwater was encountered at depths ranging from near surface to 25 ft-bgs (Tables 18 and 19). The groundwater flow direction continues to be from the seep area towards the North, mimicking the creek flow direction. The shallow, unconfined groundwater is in communication with surface water of West Divide Creek, and is generally of good quality. Groundwater found in the area, east of West Divide Creek is influenced by springs that originate from unlined irrigation ditches located on the mesa to the East.

The hydraulic gradient was determined to be  $2.4 \times 10^{-2}$  ft/ft. The interaction between groundwater and the creek based on water level measurements to evaluate water gain/loss was determined by measuring water levels in the stream and piezometers on the stream banks. The results generally indicate that the creek is losing water to groundwater on the west side of the creek and the creek is gaining water from the wetlands area groundwater from the east.

### Divide Creek Seep Status

The air sparge remediation system has operated nearly continuously throughout the quarter. Since the start up of the system in April of 2004, the number of wells with benzene concentrations above the maximum contaminant level (MCL) in the area has been reduced to 5. The size of the area underlain by groundwater that is impacted by benzene at concentrations above  $1.0 \mu\text{g} / \text{l}$  has been reduced from 134,974  $\text{ft}^2$  in June of 2005 to approximately 89,428  $\text{ft}^2$  in September of 2006, a total reduction of 45,545  $\text{ft}^2$ . Benzene was not detected in any well located within or down gradient of the remediation system during the September 2006 sampling event. Benzene greater than  $1.0 \mu\text{g} / \text{l}$  in the groundwater is primarily located within 300 feet of the seep. Thermogenic methane has fluctuated but remained the same in the vicinity of the seep. Thermogenic methane concentrations have dropped dramatically down gradient of the seep within the remediation system. BTEX/MTBE was not detected in the surface water samples.

Dissolved methane was not detected above  $0.02\text{ mg/l}$  in the surface water samples. Dissolved methane in the groundwater greater than  $1.0\text{ mg/l}$  is predominantly found within 200 feet of the seep. Thermogenic methane was present at one station within West Divide Creek (DCS-3) within the seep at a concentration of  $0.009\text{ mg/l}$ .

The plume comprised primarily of methane and benzene size has decreased dramatically since the start of the air sparge remediation system and dissolved oxygen readings have increased since the implementation. Therefore, the remediation system has been effectively mitigating the plume. Although thermogenic methane and benzene have showed fluctuations in monitoring wells 16 and 17 it is recommended that an air sparge well be implemented between monitoring well 12 (up gradient) and monitoring well 16 (down gradient) to further aid in the process of remediating the plume and mitigation the seep.

Cordilleran appreciates the opportunity to provide services to EnCana Oil & Gas (USA) Inc. If you have any questions or concerns regarding this information, please contact our offices.

Sincerely,  
***Cordilleran Compliance Services, Inc.***

Prepared by:

Scotty Mann  
Field Technician

Reviewed by

Dion Plsek, P.E  
Principal Engineer

Enclosures

## TABLES

| Date   | Sample ID          | Monitoring station | pH, Field (SU) | SpCond, Field (mS/cm) | TDS, Field (g/L) | Temp, Field (°C) | Turbidity, Field (NTU) | DO, Field (mg/L) | DO (%) |
|--------|--------------------|--------------------|----------------|-----------------------|------------------|------------------|------------------------|------------------|--------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | 7.46           | 0.549                 | 0.4              | 10.53            | 372                    | 2.88             | 30.1   |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | 7.66           | 0.744                 | 0.5              | 10.57            | 1277                   | 2.34             | 25.5   |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | 7.49           | 0.647                 | 0.4              | 15.88            | 5999                   | 0.42             | 7.1    |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | 7.79           | 0.552                 | 0.4              | 12.98            | 205                    | 3.65             | 42.8   |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | 7.2            | 0.865                 | 0.6              | 14.4             | 70.6                   | 0.74             | 8.5    |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | 7.18           | 1.325                 | 0.9              | 12.73            | 5999                   | 2.48             | 28.6   |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | 7.25           | 1.436                 | 0.9              | 12.86            | 1120                   | 1.25             | 14.3   |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | 7.1            | 1.313                 | 0.8              | 13.05            | 2000                   | 1.41             | 15.9   |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | 7.23           | 1.62                  | 1                | 13.17            | 2000                   | 1.81             | 20.9   |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | 7.15           | 0.852                 | 0.6              | 16.97            | 593                    | 2.03             | 25.2   |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | 7.7            | 0.547                 | 0.4              | 12.47            | 371                    | 2.78             | 31.5   |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | 7.42           | 1.59                  | 1                | 14.44            | 2000                   | 1.49             | 17.6   |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | 8.85           | 0.67                  | 0.4              | 17.9             | 601                    | 1.64             | 21.4   |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | 7.71           | 0.69                  | 0.4              | 13.8             | 200                    | 1.9              | 22.3   |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | 7.49           | 1.087                 | 0.7              | 12.39            | 2000                   | 2.12             | 23.4   |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | 8.07           | 0.87                  | 0.6              | 16.13            | 5999                   | 3.15             | 39.5   |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | 8.39           | 0.904                 | 0.6              | 13.79            | 808                    | 2.25             | 25.3   |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | 7.85           | 1.037                 | 0.7              | 12.12            | 2000                   | 1.76             | 19.4   |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | 7.62           | 0.711                 | 0.5              | 12.84            | 1642                   | 1.88             | 21.6   |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | 7.42           | 0.735                 | 0.5              | 11.68            | 2000                   | 2.28             | 255    |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | 7.04           | 0.999                 | 0.6              | 14.85            | 649                    | 1.66             | 29.2   |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | 7.04           | 0.999                 | 0.6              | 14.85            | 649                    | 1.66             | 29.2   |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | 7.04           | 0.999                 | 0.6              | 14.85            | 649                    | 1.66             | 29.2   |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | 7.42           | 1.086                 | 0.7              | 12.41            | 1246                   | 2.73             | 30.9   |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | 7.42           | 1.086                 | 0.7              | 12.41            | 1246                   | 2.73             | 30.9   |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | 7.42           | 1.086                 | 0.7              | 12.41            | 1246                   | 2.73             | 30.9   |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | 7.51           | 1.115                 | 0.7              | 12.48            | 12.63                  | 2.85             | 31.5   |

**Table 1 (Divide Creek monitoring wells field parameters)**

| Date   | Sample ID          | Monitoring station | Benzene (µg/L) | BenzeneDL (µg/L) |
|--------|--------------------|--------------------|----------------|------------------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | Non Detect     | 1                |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | 5.3            | 1                |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | Non Detect     | 1                |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | Non Detect     | 1                |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | Non Detect     | 1                |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | Non Detect     | 1                |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | Non Detect     | 1                |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | Non Detect     | 1                |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | Non Detect     | 1                |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | Non Detect     | 1                |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | Non Detect     | 1                |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | Non Detect     | 1                |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | 200            | 1                |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | 8.9            | 1                |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | Non Detect     | 1                |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | Non Detect     | 1                |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | 3.7            | 1                |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | 24             | 1                |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | 240            | 5                |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | Non Detect     | 1                |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | Non Detect     | 1                |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | Non Detect     | 0.25             |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | Non Detect     | 1                |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | Non Detect     | 1                |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | Non Detect     | 0.25             |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | Non Detect     | 1                |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | Non Detect     | 1                |

**Table 2 (Summary of the Analytical Benzene results for Divide Creek monitoring wells)**

| Date   | Sample ID          | Monitoring station | Toluene (µg/L) | TolueneDL (µg/L) |
|--------|--------------------|--------------------|----------------|------------------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | Non Detect     | 2                |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | Non Detect     | 2                |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | Non Detect     | 2                |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | Non Detect     | 2                |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | Non Detect     | 2                |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | Non Detect     | 2                |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | Non Detect     | 2                |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | Non Detect     | 2                |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | Non Detect     | 2                |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | Non Detect     | 2                |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | Non Detect     | 2                |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | Non Detect     | 2                |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | Non Detect     | 2                |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | Non Detect     | 2                |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | Non Detect     | 5                |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | Non Detect     | 5                |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | Non Detect     | 5                |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | Non Detect     | 5                |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | Non Detect     | 25               |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | Non Detect     | 5                |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | Non Detect     | 5                |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | Non Detect     | 0.25             |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | Non Detect     | 5                |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | Non Detect     | 2                |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | Non Detect     | 0.25             |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | Non Detect     | 5                |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | Non Detect     | 2                |

**Table 3 (Summary of the Analytical Toluene results for Divide Creek monitoring wells)**

| Date   | Sample ID          | Monitoring station | Ethylbenzene (µg/L) | EthylbenzeneDL (µg/L) |
|--------|--------------------|--------------------|---------------------|-----------------------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | Non Detect          | 2                     |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | 7.3                 | 2                     |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | Non Detect          | 2                     |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | Non Detect          | 2                     |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | Non Detect          | 2                     |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | Non Detect          | 2                     |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | Non Detect          | 2                     |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | Non Detect          | 10                    |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | Non Detect          | 2                     |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | Non Detect          | 2                     |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | Non Detect          | 0.25                  |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | Non Detect          | 2                     |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | Non Detect          | 2                     |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | Non Detect          | 0.25                  |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | Non Detect          | 2                     |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | Non Detect          | 2                     |

**Table 4 (Summary of the Analytical Ethylbenzene results for Divide Creek monitoring wells)**

| Date   | Sample ID          | Monitoring station | mp-Xylene (µg/L) | mp-XyleneDL (µg/L) | o-Xylene (µg/L) | o-XyleneDL (µg/L) |
|--------|--------------------|--------------------|------------------|--------------------|-----------------|-------------------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | 58               | 2                  | 10              | 2                 |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | 4.2              | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | 28               | 10                 | Non Detect      | 10                |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | Non Detect       | 0.5                | Non Detect      | 0.25              |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | Non Detect       | 0.5                | Non Detect      | 0.25              |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | Non Detect       | 2                  | Non Detect      | 2                 |

**Table 5 (Summary of the Analytical Total Xylenes results for Divide Creek monitoring wells)**

| Date   | Sample ID          | Monitoring station | MTBE (µg/L) | MTBE_DL (µg/L) |
|--------|--------------------|--------------------|-------------|----------------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | Non Detect  | 4              |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | Non Detect  | 4              |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | Non Detect  | 4              |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | Non Detect  | 4              |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | Non Detect  | 4              |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | Non Detect  | 4              |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | Non Detect  | 4              |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | Non Detect  | 4              |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | Non Detect  | 4              |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | Non Detect  | 4              |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | Non Detect  | 4              |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | Non Detect  | 4              |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | Non Detect  | 4              |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | Non Detect  | 4              |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | Non Detect  | 4              |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | Non Detect  | 4              |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | Non Detect  | 4              |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | Non Detect  | 4              |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | Non Detect  | 20             |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | Non Detect  | 4              |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | Non Detect  | 4              |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | Non Detect  | 0.25           |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | Non Detect  | 4              |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | Non Detect  | 4              |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | Non Detect  | 0.25           |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | Non Detect  | 4              |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | Non Detect  | 4              |

**Table 6 (Summary of the Analytical MTBE results for Divide Creek monitoring wells)**

| Date   | Sample ID          | Monitoring station | Methane (mg/L) | methaneDL (mg/L) |
|--------|--------------------|--------------------|----------------|------------------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | 0.081          | 0.0008           |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | 7.1            | 0.008            |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | 9              | 0.016            |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | 0.036          | 0.0008           |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | 0.99           | 0.008            |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | 0.011          | 0.0008           |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | 0.0057         | 0.0008           |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | 0.049          | 0.0008           |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | 2.9            | 0.016            |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | Non Detect     | 0.0008           |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | 0.068          | 0.0008           |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | Non Detect     | 0.0008           |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | 10             | 0.016            |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | 9.3            | 0.016            |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | 0.15           | 0.0008           |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | 1.4            | 0.008            |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | 1.7            | 0.008            |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | 3.5            | 0.008            |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | 7.1            | 0.008            |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | 1.5            | 0.008            |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | 0.038          | 0.0008           |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | 0.00523        | 0.000068         |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | 0.031          | 0.0008           |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | 0.047          | 0.0008           |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | 0.00163        | 0.000068         |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | 0.039          | 0.0008           |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | 0.47           | 0.0008           |

**Table 7 (Summary of the Analytical Dissolved Methane results for Divide Creek monitoring wells)**

| Date (month/year) | Monitoring Well | Thermogenic Methane (mg/L) |
|-------------------|-----------------|----------------------------|
| Sep-04            | MW1             | 6.29                       |
| Jan-05            | MW1             | 3.5                        |
| May-05            | MW1             | 0.295                      |
| Sep-05            | MW1             | 0.34                       |
| Jan-06            | MW1             | 0.18                       |
| May-06            | MW1             | 0                          |
| Sep-04            | MW2             | 9.535                      |
| Jan-05            | MW2             | 6.464                      |
| May-05            | MW2             | 5.431                      |
| Sep-05            | MW2             | 4.265                      |
| Jan-06            | MW2             | 6.776                      |
| May-06            | MW2             | 3.428                      |
| Sep-06            | MW2             | 5.748                      |
| Sep-04            | MW4             | 7.352                      |
| Jan-05            | MW4             | 11.86                      |
| May-05            | MW4             | 8.592                      |
| Sep-05            | MW4             | 7.073                      |
| Jan-06            | MW4             | 7.139                      |
| May-06            | MW4             | 2.818                      |
| Sep-06            | MW4             | 8.17                       |
| Sep-04            | MW6             | 0.382                      |
| Jan-05            | MW6             | 0                          |
| May-05            | MW6             | 0.17                       |
| Sep-05            | MW6             | 0.038                      |
| Jan-06            | MW6             | 0.12                       |
| May-06            | MW6             | 0.006                      |
| Sep-04            | MW9             | 9.044                      |
| Jan-05            | MW9             | 13.289                     |
| May-05            | MW9             | 10.348                     |
| Sep-05            | MW9             | 7.614                      |
| Jan-06            | MW9             | 9.928                      |
| May-06            | MW9             | 7.78                       |
| Sep-06            | MW9             | 7.057                      |
| Sep-04            | MW12            | 4.101                      |
| Jan-05            | MW12            | 0.836                      |
| May-05            | MW12            | 0.399                      |
| Sep-05            | MW12            | 5.127                      |
| Jan-06            | MW12            | 0.24                       |
| May-06            | MW12            | 0.516                      |
| Sep-06            | MW12            | 4.077                      |
| Oct-04            | MW14            | 4.347                      |
| Jan-05            | MW14            | 8.043                      |
| May-05            | MW14            | 6.576                      |
| Sep-05            | MW14            | 2.335                      |
| Jan-06            | MW14            | 5.628                      |
| May-06            | MW14            | 1.94                       |
| Sep-06            | MW14            | 5.956                      |

|        |      |       |
|--------|------|-------|
| Oct-04 | MW17 | 6.175 |
| Jan-05 | MW17 | 5.105 |
| May-05 | MW17 | 1.024 |
| Sep-05 | MW17 | 3.289 |
| Jan-06 | MW17 | 1.848 |
| May-06 | MW17 | 0.612 |
| Sep-06 | MW17 | 2.171 |
| Oct-04 | MW18 | 0.266 |
| Jan-05 | MW18 | 0.374 |
| May-05 | MW18 | 0.05  |
| Sep-05 | MW18 | 0.085 |
| Jan-06 | MW18 | 0.203 |
| May-06 | MW18 | 0.086 |
| Sep-06 | MW18 | 0.377 |

**Table 8 (Summary of Historical Analytical Thermogenic methane results Divide Creek monitoring wells)**

| Date   | Sample ID           | Monitoring station      | pH, Field (SU) | SpCond, Field (mS/cm) | TDS, Field (g/L) | Temp, Field (°C) | Turbidity, Field (NTU) | DO, Field (mg/L) | DO (%) |
|--------|---------------------|-------------------------|----------------|-----------------------|------------------|------------------|------------------------|------------------|--------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | 9.12           | 0.773                 | 0.5              | 13.45            | 20                     | 9.77             | 114.4  |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | 9.24           | 0.772                 | 0.5              | 13.89            | 18.2                   | 9.79             | 127.3  |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | 9.24           | 0.772                 | 0.5              | 13.89            | 18.2                   | 9.79             | 127.3  |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | 9.24           | 0.772                 | 0.5              | 13.89            | 18.2                   | 9.79             | 127.3  |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | 9.14           | 0.763                 | 0.5              | 13.48            | 15.4                   | 9.79             | 115.8  |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | 9.19           | 0.763                 | 0.5              | 14.6             | 22                     | 9.54             | 114.9  |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | 9.13           | 0.757                 | 0.5              | 14.77            | 14.7                   | 9.49             | 114.2  |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | 9.09           | 0.753                 | 0.5              | 14.99            | 16.1                   | 9.57             | 115.9  |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | 9.12           | 0.748                 | 0.5              | 15.33            | 30.7                   | 9.33             | 113.5  |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | 9.2            | 0.74                  | 0.5              | 15.68            | 18.3                   | 8.59             | 105.2  |

**Table 9 (Divide Creek surface water field parameters results)**

| Date   | Sample ID           | Monitoring station      | Benzene (µg/L) | BenzeneDL (µg/L) |
|--------|---------------------|-------------------------|----------------|------------------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | Non Detect     | 0.25             |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | Non Detect     | 1                |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | Non Detect     | 1                |

**Table 10 (Summary of the Analytical Benzene results for Divide Creek Surface water)**

| Date   | Sample ID           | Monitoring station      | Toluene (µg/L) | TolueneDL (µg/L) |
|--------|---------------------|-------------------------|----------------|------------------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | Non Detect     | 0.25             |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | Non Detect     | 5                |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | Non Detect     | 5                |

**Table 11 (Summary of the Analytical Toluene results for Divide Creek Surface water)**

| Date   | Sample ID           | Monitoring station      | Ethylbenzene (µg/L) | EthylbenzeneDL (µg/L) |
|--------|---------------------|-------------------------|---------------------|-----------------------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | Non Detect          | 0.25                  |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | Non Detect          | 2                     |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | Non Detect          | 2                     |

**Table 12 (Summary of the Analytical Ethylbenzene results for Divide Creek surface water)**

| Date   | Sample ID           | Monitoring station      | mp-Xylene (µg/L) | mp-XyleneDL (µg/L) | o-Xylene (µg/L) | o-XyleneDL (µg/L) |
|--------|---------------------|-------------------------|------------------|--------------------|-----------------|-------------------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | Non Detect       | 0.5                | Non Detect      | 0.25              |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | Non Detect       | 2                  | Non Detect      | 2                 |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | Non Detect       | 2                  | Non Detect      | 2                 |

**Table 13 (Summary of the Analytical Total Xylenes results for Divide Creek surface water)**

| Date   | Sample ID           | Monitoring station      | MTBE (µg/L) | MTBE_DL (µg/L) |
|--------|---------------------|-------------------------|-------------|----------------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | Non Detect  | 0.25           |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | Non Detect  | 4              |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | Non Detect  | 4              |

**Table 14 (Summary of the Analytical MTBE results for Divide Creek surface water)**

| Date   | Sample ID           | Monitoring station      | Methane (mg/L) | methaneDL (mg/L) |
|--------|---------------------|-------------------------|----------------|------------------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | 0.0019         | 0.0008           |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | 0.0054         | 0.0008           |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | 0.00269        | 0.000068         |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | 0.0057         | 0.0008           |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | 0.015          | 0.0008           |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | 0.0096         | 0.0008           |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | 0.01           | 0.0008           |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | 0.013          | 0.0008           |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | 0.01           | 0.0008           |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | 0.0084         | 0.0008           |

**Table 15 (Summary of the Analytical Dissolved Methane results for Divide Creek surface water)**

| Date   | Sample ID          | Monitoring station | Chloride (mg/L) | CL_DL (mg/L) | Sodium (Na) (mg/L) | Na_DL (mg/L) | TDS (mg/L) | TDS_DL (mg/L) | ph, Lab (SU) | SpCond, Lab (µmhos/cm) |
|--------|--------------------|--------------------|-----------------|--------------|--------------------|--------------|------------|---------------|--------------|------------------------|
| 9/6/06 | 090606-MW11        | Monitoring Well 11 | 7.2             | 0.5          | 38                 | 0.4          | 389        | 10            | 7.34         | 533                    |
| 9/6/06 | 090606-MW12        | Monitoring Well 12 | 22.4            | 0.5          | 100                | 0.4          | 547        | 10            | 7.35         | 726                    |
| 9/6/06 | 090606-MW14        | Monitoring Well 14 | 17.2            | 0.5          | 46                 | 0.4          | 461        | 10            | 7.28         | 625                    |
| 9/6/06 | 090606-MW15        | Monitoring Well 15 | 3.7             | 0.5          | 67                 | 0.4          | 434        | 10            | 7.42         | 622                    |
| 9/6/06 | 090606-MW18        | Monitoring Well 18 | 7.2             | 0.5          | 82                 | 0.4          | 471        | 10            | 7.42         | 680                    |
| 9/6/06 | 090606-MW20        | Monitoring Well 20 | 28.1            | 0.5          | 150                | 0.4          | 735        | 10            | 7.22         | 1040                   |
| 9/6/06 | 090606-MW21        | Monitoring Well 21 | 16.3            | 0.5          | 250                | 0.4          | 810        | 10            | 7.53         | 1120                   |
| 9/6/06 | 090606-MW22        | Monitoring Well 22 | 29.8            | 0.5          | 160                | 0.4          | 738        | 10            | 7.28         | 1050                   |
| 9/6/06 | 090606-MW23        | Monitoring Well 23 | 41.6            | 0.5          | 180                | 0.4          | 982        | 10            | 7.48         | 1350                   |
| 9/6/06 | 090606-MW24        | Monitoring Well 24 | 3.3             | 0.5          | 49                 | 0.4          | 463        | 10            | 7.42         | 664                    |
| 9/6/06 | 090606-MW25        | Monitoring Well 25 | 10.3            | 0.5          | 40                 | 0.4          | 380        | 10            | 7.57         | 528                    |
| 9/6/06 | 090606-MW27        | Monitoring Well 27 | 24.4            | 0.5          | 310                | 0.4          | 944        | 10            | 7.79         | 1280                   |
| 9/6/06 | 090606-MW4         | Monitoring Well 4  | 37.6            | 0.5          | 120                | 0.4          | 461        | 10            | 7.86         | 663                    |
| 9/6/06 | 090606-MW9         | Monitoring Well 9  | 7.4             | 0.5          | 64                 | 0.4          | 474        | 10            | 7.48         | 668                    |
| 9/7/06 | 090706-MW1         | Monitoring Well 1  | 23.4            | 0.5          | 220                | 0.4          | 797        | 10            | 7.07         | 1100                   |
| 9/7/06 | 090706-MW13        | Monitoring Well 13 | 3.3             | 0.5          | 99                 | 0.4          | 591        | 10            | 7.56         | 863                    |
| 9/7/06 | 090706-MW16        | Monitoring Well 16 | 57.1            | 1            | 220                | 0.4          | 792        | 10            | 7.9          | 932                    |
| 9/7/06 | 090706-MW17        | Monitoring Well 17 | 47.3            | 0.5          | 200                | 0.4          | 804        | 10            | 7.35         | 1140                   |
| 9/7/06 | 090706-MW2         | Monitoring Well 2  | 41.8            | 0.5          | 140                | 0.4          | 514        | 10            | 7.25         | 758                    |
| 9/7/06 | 090706-MW26        | Monitoring Well 26 | 5.8             | 0.5          | 95                 | 0.4          | 530        | 10            | 7.09         | 741                    |
| 9/7/06 | 090706-MW6         | Monitoring Well 6  | 14.4            | 0.5          | 120                | 0.4          | 710        | 10            | 6.75         | 989                    |
| 9/7/06 | 090706-MW6 (Split) | Monitoring Well 6  | 14.1            | 1            | 130                | 5            | 656        | 10            | 6.82         | 1120                   |
| 9/7/06 | 090706-MWXX (Dup)  | Monitoring Well 6  | 15.1            | 1            | 110                | 0.4          | 711        | 10            | 6.84         | 1000                   |
| 9/7/06 | 090706-MW7         | Monitoring Well 7  | 33.1            | 1            | 140                | 0.4          | 775        | 10            | 6.92         | 1100                   |
| 9/7/06 | 090706-MW7 (Split) | Monitoring Well 7  | 23.2            | 1            | 150                | 5            | 650        | 10            | 6.99         | 1280                   |
| 9/7/06 | 090706-ZZ (Dup)    | Monitoring Well 7  | 32.2            | 0.5          | 140                | 0.4          | 780        | 10            | 6.91         | 1110                   |
| 9/7/06 | 090706-MW8         | Monitoring Well 8  | 31.2            | 0.5          | 170                | 0.4          | 813        | 10            | 7.04         | 1160                   |

**Table 16 (Summary of the Analytical Inorganics, pH and SpC results for Divide Creek monitoring wells)**

| Date   | Sample ID           | Monitoring station      | Chloride (mg/L) | CL_DL (mg/L) | Sodium (Na) (mg/L) | Na_DL (mg/L) | TDS (mg/L) | TDS_DL (mg/L) | ph, Lab (SU) | SpCond, Lab (µmhos/cm) |
|--------|---------------------|-------------------------|-----------------|--------------|--------------------|--------------|------------|---------------|--------------|------------------------|
| 9/5/06 | 090506-DCS1         | Divide Creek Station 1  | 19.3            | 0.5          | 96                 | 0.4          | 569        | 10            | 8.61         | 798                    |
| 9/5/06 | 090506-DCS2         | Divide Creek Station 2  | 19.5            | 0.5          | 95                 | 0.4          | 569        | 10            | 8.62         | 810                    |
| 9/5/06 | 090506-DCS2 (Split) | Divide Creek Station 3  | 18.2            | 1            | 110                | 5            | 575        | 10            | 8.36         | 870                    |
| 9/5/06 | 090506-DCSXX (Dup)  | Divide Creek Station 4  | 19.4            | 0.5          | 95                 | 0.4          | 561        | 10            | 8.62         | 776                    |
| 9/5/06 | 090506-DCS3         | Divide Creek Station 5  | 19.1            | 0.5          | 93                 | 0.4          | 546        | 10            | 8.6          | 791                    |
| 9/5/06 | 090506-DCS4         | Divide Creek Station 6  | 19.2            | 0.5          | 92                 | 0.4          | 545        | 10            | 8.6          | 778                    |
| 9/5/06 | 090506-DCS5         | Divide Creek Station 7  | 18.9            | 0.5          | 90                 | 0.4          | 545        | 10            | 8.59         | 774                    |
| 9/5/06 | 090506-DCS6         | Divide Creek Station 8  | 18.4            | 0.5          | 89                 | 0.4          | 545        | 10            | 8.6          | 777                    |
| 9/5/06 | 090506-DCS7         | Divide Creek Station 9  | 18.1            | 0.5          | 87                 | 0.4          | 537        | 10            | 8.59         | 776                    |
| 9/5/06 | 090506-DCS8         | Divide Creek Station 10 | 18.1            | 0.5          | 89                 | 0.4          | 537        | 10            | 8.6          | 779                    |

**Table 17 (Summary of the Analytical Inorganics, pH and SpC results for Divide Creek surface water)**

| MW # | PVC elevation MSL (ft) | DTW (ft)        | DTW elevation MSL (ft) |
|------|------------------------|-----------------|------------------------|
| 1    | 5958.79                | 7.6             | 5951.19                |
| 2    | 5959.28                | 9.05            | 5950.23                |
| 4    | 5963.41                | 8.41            | 5955                   |
| 6    | 5959.94                | 7.53            | 5952.41                |
| 7    | 5958.97                | 8.22            | 5950.75                |
| 8    | 5959.29                | 10.11           | 5949.18                |
| 9    | 5965.13                | 4.41            | 5960.72                |
| 11   | 5969.66                | 4.15            | 5965.51                |
| 12   | 5963.6                 | 3.31            | 5960.29                |
| 13   | 5972                   | 1.4             | 5970.6                 |
| 14   | 5965.06                | 4.22            | 5960.84                |
| 15   | 5957.79                | 0               | 5957.79                |
| 16   | 5960.45                | 6.41            | 5954.04                |
| 17   | 5958.49                | 8.27            | 5950.22                |
| 18   | 5952.43                | 4.58            | 5947.85                |
| 19   | 5969.44                | non-serviceable | NA                     |
| 20   | 5953.88                | 10              | 5943.88                |
| 21   | 5969.45                | 24.95           | 5944.5                 |
| 22   | 5957.08                | 10.01           | 5947.07                |
| 23   | 5952.69                | 17.29           | 5935.4                 |
| 24   | 5954.91                | 5.23            | 5949.68                |
| 25   | 5971.79                | 2.42            | 5969.37                |
| 26   | 5954.65                | 1.2             | 5953.45                |
| 27   | 5956.22                | 11.04           | 5945.18                |

Table 18 (September water elevations for monitoring wells)

| Piezometer # | PVC elevation MSL (ft) | DTW (ft)  | DTW elevation MSL (ft) |
|--------------|------------------------|-----------|------------------------|
| 1            | 5965.81                | 2.83      | 5962.98                |
| 2            | 5966.6                 | 4.39      | 5962.21                |
| 3            | 5961.3                 | 2.35      | 5958.95                |
| 4            | 5959.38                | 3.55      | 5955.83                |
| 5            | 5962.43                | Silted in | NA                     |
| 6            | 5959.38                | 5.55      | 5953.83                |
| 7            | 5952.08                | 2.4       | 5949.68                |
| 8            | 5953.41                | 5.35      | 5948.06                |

Table 19 (September water levels for piezometers)

## FIGURES